Experimental Results From Pressure Testing A 1:6-Scale Nuclear Power Plant Containment

Manuscript Completed: November 1991
Date Published: January 1992

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Prepared for
Division of Engineering
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, DC 20555
NRC FIN A1249

ABSTRACT

This report discusses the testing of a 1:6-scale, reinforced-concrete containment building at Sandia National Laboratories, in Albuquerque, New Mexico. The scale-model, Light Water Reactor (LWR) containment building was designed and built to the American Society of Mechanical Engineers (ASME) code by United Engineers and Constructors, Inc., and was instrumented with over 1200 transducers to prepare for the test.

The containment model was tested to failure to determine its response to static internal overpressurization. As part of the U.S. Nuclear Regulatory Commission's program on containment integrity, the test results will be used to assess the capability of analytical methods to predict the performance of containments under severe-accident loads.

The scaled dimensions of the cylindrical wall and hemispherical dome were typical of a full-size containment. Other typical features included in the heavily reinforced model were equipment hatches, personnel air locks, several small piping penetrations, and a thin steel liner that was attached to the concrete by headed studs.

In addition to the transducers attached to the model, an acoustic detection system and several video and still cameras were used during testing to gather data and to aid in the conduct of the test.

The model and its instrumentation are briefly discussed, and is followed by the testing procedures and measured response of the containment model. A summary discussion is included to aid in understanding the significance of the test as it applies to real world reinforced concrete containment structures. The data gathered during SIT and overpressure testing are included as an appendix.

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ACKNOWLEDGMENTS

The testing of the containment model involved many people who aided in the success of the program.

David Clauss and Randy Weatherby helped review data and selected the interesting areas to monitor during the test. Their scrutinizing of the data following the test helped to select points of interest for this report. Their sharing of insights has made this report much more useful and interesting.

Marty Jinzo helped to prepare this report. He produced the entire set of plots found in Appendix C and wrote the report on the track transducers in Appendix B. His conscientious efforts helped to minimize errors in this report and in NUREG/CR-5083.

I also thank the Sandia and K-Tech personnel, many of whom have been instrumenting containment models since 1982. Dwight Lambert has led the efforts and orchestrated the many activities at the site. His understanding of the program, his multifaceted background, and his ability to work with the many people and crews are in a large way responsible for the success of the containment testing. His performance has been truly meritorious. The efforts of the following people in instrumenting the model--Jim Westmoreland, Marty Jinzo, Bob Eysers, Barry Spletzer, Pat Drozda, Rob Woodard, George Dibisceglie, Gary Loughrin, Frank Horine, Mike Turner, Mike Ramirez, and Bob Padilla--are gratefully acknowledged.

Thanks are due to Walt von Riesemann for his help and support throughout the entire containment testing effort.

Several groups at Sandia also deserve special recognition for their dedication and performance. The groups are Still Photography, Video Services, and the Nondestructive Technology Division, particularly Rob Smith, Joe Llamas, Bob Gardner, Ed Sisneros, Alan Beattie, Dan Costley, and Jean Sena.

Doug Brosseau and Doug Brinson from ERC, Inc., helped during the testing of the containment. Their help is gratefully acknowledged. Mr. Brosseau not only helped during testing, but also assisted during the construction of the containment model. He aided immensely in the crack mapping during the Structural Integrity Test and wrote the introduction to Appendix A. Mr. Brinson led the posttest effort to assess the leakage through the small liner tears.

Special thanks are due to the NRC and, in particular, to James Costello for their support of the containment integrity program. They provided a well-defined problem and the freedom to solve it in a proper manner.

Finally, thanks are due to the peer review group. Their many suggestions for this test and throughout the entire containment testing program helped to ensure that we were always looking at the right problem. They genuinely improved the testing efforts by their time, ideas, and expertise. The peer review group consists of Thomas J. Ahl, Wilfred E. Baker, William C. Black, Ted M. Brown, Richard Denning, Asadoun H. Hadjian, Theodore E. Johnson, Mete A. Sozen, John D. Stevenson, H. T. Tang, Joseph J. Ucciferro, and Richard N. White.

1. EXECUTIVE SUMMARY

Sandia National Laboratories completed testing of a 1:6-scale containment building for a Light Water Reactor (LWR) in July 1987. The containment building was made of reinforced concrete and had many of the features of full-size containments. The test program consisted of a Structural Integrity Test, an Integrated Leak Rate Test, and a concluding overpressurization test of the structure. The testing of the containment model and the results obtained are the subject of this report.

The containment model was tested to learn more about the behavior of containment structures subjected to pressure loadings beyond their design basis. The test results will aid in benchmarking analytical tools for assessing the performance of containment buildings subjected to a wide variety of accident scenarios.

The containment model was built by United Engineers and Constructors to the American Society of Mechanical Engineers (ASME) code standards with a design pressure of 46 psig. The 37-foot-tall model had an inside diameter of 22 ft and many typical features, including

- 2 personnel air locks,
- 2 equipment hatches and operable covers,
- 3 piping clusters,
- 2 steam lines,
- 8 layers of primary reinforcing in the cylinder, and
- a thin steel liner anchored to the concrete by headed studs.

The overall geometry of the containment model was a right-circular cylinder attached to the flat basemat and capped by a hemispherical dome.

The containment model had over 1200 discrete sensors, most of which were strain gages and displacement transducers. About 300 of these sensors were embedded in the concrete wall of the containment model. The remainder of the instrumentation was attached to the concrete or liner surfaces.

Low-pressure testing, which consisted of a Structural Integrity Test (SIT) and an Integrated Leak Rate Test (ILRT), was completed in early July 1987. These tests involved pressurization to 1.15 times design pressure for the SIT and to design pressure for the ILRT. The resultant cracks in the concrete were uniform in the cylinder with an average spacing of about 4 1/2 in.; very few of the cracks exceeded a width of 0.010 in. Very few cracks were detected in the dome region, and those present had widths well below 0.010 in.

The ILRT was conducted at 46 psig, with the final leak rate measured as 0.14% mass/day. An orifice, which had a hole diameter of 0.070 in., was later used to simulate a leak in the model. The measured leak rate using this orifice was 11.5% at about 46 psig. Although this leak rate was somewhat large for normal ILRT testing, our goal was to determine typical leak sizes that might be encountered and measured during overpressurization of the containment model as well as typical times required for measuring them. Following the low-pressure tests, some additional instrumentation was added to the containment model and high-pressure testing began.

High-pressure testing of the containment model was conducted in July 1987 by pressurizing the containment with nitrogen gas until leakage exceeded the capacity of the pressurization system. During high-pressure testing, the load was increased in steps ranging in size from 2 to 10 psi. After the containment was held at each increased pressure level for about half an hour, all

transducers were remotely scanned, and the results were stored on a data acquisition computer. Before the pressure was increased to the next level, photographs were taken via computer control from nine fixed camera positions, and portions of the model were videotaped by 12 video cameras, many of which were remotely controlled.

High-pressure testing ended after 32 hours. The containment model was pressurized to over three times its design pressure of 46 psig. At the peak pressure level of 145 psig, leakage exceeded 4000 scfm, which was the limit of the pressure source. This necessitated ending the test.

The cracks in the concrete that had developed during low-pressure testing became much wider (many were about 1/8 in. wide), but few new cracks developed. Radial displacements at the cylinder midheight were roughly 1 1/2 to 2 in., while typical strains in the hoop direction were between 1 1/2 to 2%. The peak liner strain recorded exceeded 8%. One of the equipment hatch sleeves was deformed into an oval, which exposed one of the two gum-drop seals for a portion of its length. A dishing of the basemat was observed, which resulted in an average uplift of the outer edge of the basemat of about 3/8 in.

Leakage from the containment model was quite small for most of the test; however, during the final few pressure steps, leakage grew rapidly. At 135 psig, a leak rate of about 8 scfm was measured. This grew to 50 scfm (62% mass/day) at the pressure level of 143 psig, and by the next pressure level, 145 psig, leakage grew to over 4000 scfm (>5000% mass/day). The major source of leakage was a 22-in.-long tear in the liner. Upon further investigation after the test, many other highly distressed areas were found in the liner; in five of these areas, tears existed that were about 1/2 to 1/8 in. long. Each of these tears, including the major tear, was adjacent to a stud that attached the liner to the concrete.

Posttest evaluation revealed large strain concentrations near the penetration insert plates that were strongly influenced by the studs that anchored the liner to the reinforced concrete wall. In addition to the six tears, there were many areas that had visible signs of distress.

The penetrations, in general, were stiffer than the non-perturbed wall: the cylinder wall moved radially farther outward than the penetrations. At the peak pressure level of 145 psig, equipment hatch A and B moved out radially 1.19 and 1.15 in. respectively, while the average radial displacement at mid-cylinder was 1.60 in. away from the large penetrations.

The perimeter of the basemat lifted off the work mat about 3/8 in. at the peak pressure; however, only a small amount of uplift remained after the internal pressure was released. Very little plastic response was observed in the steel in the basemat or the dome of the containment.

The response at the junction of the dome and cylinder was measured by the transducers located at the springline. The meridional bending moment at the springline was evident from the strain measurements taken. The only plastic response measured in the dome was the small plastic strains in the reinforcing steel located near the springline.

The results collected during the test are presented with the insights gained during from this experiment. Included in the appendices is a complete tabulation and plotting of the all the transducer responses recorded during the test.

2. INTRODUCTION

The U.S. Nuclear Regulatory Commission (NRC) is investigating the performance of Light Water Reactor (LWR) containments subjected to severe accidents. This work is being performed by the Containment Technology Division at Sandia National Laboratories (Sandia) in Albuquerque, New Mexico. The research effort described in this report involved testing a 1:6-scale, reinforced-concrete containment model. The containment model, which was designed and constructed by United Engineers and Constructors [1-6], was the largest and most complex model of its kind (Figure 1).

The objective of the containment model tests was to generate data that could be used to qualify methods for reliably predicting the response of LWR containment buildings to severe-accident pressure loads. The test data recorded strains and deformations of the containment shell, as well as the leakage of the containment.

2.1 Background

Research into the behavior of LWR containment buildings subject to hypothesized severe accidents has been ongoing since the accident at Three Mile Island. The containment building, whether it is made of steel, reinforced concrete, or prestressed concrete, is the final engineered barrier to prevent the release of fission products and radioactive gases generated during reactor operations. The containment is designed to withstand accident conditions such as a Loss-of-Coolant Accident and environmental loading such as in earthquakes, and it relies not only on its structural capability, but also on its leak tightness.

After Three Mile Island, attention focused on the capability of containment buildings to withstand loadings beyond their design basis. To address containment performance beyond design capabilities, the NRC is sponsoring a testing and analytical program at Sandia. Sandia has conducted static overpressurization tests on five scale models of steel containment buildings [7-14] and recently completed testing the reinforced-concrete containment model, that is the subject of this report.

2.2 Program Scope

The testing of the containment models is only one of the programs sponsored by the NRC to address containment integrity during severe accidents. Other programs sponsored by the NRC that deal with the performance of the containment system are also described below.

Tests and analyses are being conducted on mechanical penetrations of containment buildings, such as personnel air locks and bellows [15-20]. Some of these tests have included or will include both temperature and pressure as testing parameters. Structural data on equipment

Figure 1. Photograph of the Containment Model.

hatches, personnel air locks, and other mechanical penetrations are gathered from the containment tests and are used to augment additional tests on these penetrations when they are deemed necessary.

Three tests have been completed on the electrical penetration assemblies used in containments [21-23] and have included temperature and pressure profiles.

Extensive seal and gasket testing has also been conducted for the NRC. The elastomers used in sealing the mechanical penetrations are subject to severe accident environments that may include radiation exposure [24-26]. These tests determine the sealing capabilities of the elastomers when exposed to severe accident environments.

Tests on bellows, used to compensate for expansion and contraction in containment piping systems, are scheduled. Since bellows exist in many containments and they serve as part of the containment boundary, their integrity is important. Tests and analyses are being pursued, but no testing has been completed as of this writing.

When the information gained through these programs is considered, the bounds of behavior for a containment building system subjected to a severe accident can be deduced. These programs provide a basis for evaluating the performance of existing plants and may be used to improve the severe-accident performance of future plants.

2.3 Containment Model History

Several tests on scale-model containment buildings were conducted at Sandia from December 1982 to the latest test in July 1987. Four 1:32-scale steel containment models were tested from December 1982 to December 1983. These tests were followed by a test of a 1:8-scale steel containment model in November 1984. All tests were static, used nitrogen gas for pressurization, and continued until the containment model failed. The steel containment tests were followed by the test of the first reinforced-concrete containment model, described in this report.

The construction of the reinforced-concrete containment was much more complex than that of the steel containments. This necessitated more careful planning and design. The design of the containment model began in January 1985 and was completed in June 1985. To ensure construction of a high-quality model, its design and a series of preconstruction tests was conducted in parallel. Because of the containment model's size, and in consideration of schedule constraints, particular attention was paid to liner welding, splices for the reinforcing steel, concrete placement, and other construction and sequencing details. Reference 27 is a report on the preconstruction tests performed during the design of the containment model.

Construction of the containment model began in August 1985 after comments and suggestions made by a peer review panel were incorporated into the design. The basemat concrete was placed in December 1985. Sections of the liner began arriving on site in January 1986, and the liner work was completed in February. The first concrete was placed in the cylinder wall in March, and concreting of the model concluded in May 1986. Model construction was completed in June 1986. Attaching, wiring, and checking over 1200 channels of instrumentation and other preparations for testing took several months. Low-pressure testing began in early July 1987; high-pressure testing followed in late July.

2.4 Significance of the Test

Little information was available before this test on the ultimate performance of reinforced-concrete pressure vessels, certainly nothing in sufficient detail to allow for validation of analytical tools. Further, there was only speculation about the failure mode and associated phenomena of a reinforced-concrete containment subjected to overpressurization.

The nonlinear behavior of a reinforced-concrete containment pressurized to failure is extremely difficult to model mathematically. Some simplifications are required, given the limitations of current computers and algorithms. This test has provided the engineering community with some indication of the critical items that should be included in a proper analysis of this type of structure. By having some assurance of what should be included in the analysis, the complexity and number of analyses can be greatly reduced.

With the completion of this test, an extremely large set of data was generated that can be used to validate computer analyses. Much was learned about the complex interaction between the reinforcing steel, the concrete, and the liner anchorage system in this large composite structure. The test provided insights into ultimate containment response, but also very importantly, it indicated where the analytical tools may need to be improved.

Certainly this single test has not answered all the questions--there is still need for additional research--but the test represents a significant milestone in our understanding of containment behavior and the first steps of validating the ability of analytical tools to predict reinforced-concrete containment response in a severe accident environment.

3. CONTAINMENT FEATURES

The 1:6-scale reinforced-concrete containment was designed in accordance with the American Society of Mechanical Engineers (ASME) code and had a design pressure of 46 psig. The inside diameter of the model was 22 ft with a total height of 37 ft. The cylinder wall was 9 3/4 in. thick, and the dome wall was 7 in. thick. This model used #4* reinforcing bar for the primary reinforcing. The cylinder wall contained two layers of meridional, four layers of circumferential, and two layers of diagonal reinforcing steel. As these layers approached the apex of the dome, some layers were reduced in response to changes in the geometry and loading. The containment also had a steel liner on the inside surface that was 1/16 in. thick along the base and cylinder wall and 1/12 in. thick along the dome wall. The liner was attached to the concrete by ≈ 25000 headed studs. Two equipment hatches, two air locks, constrained penetrations, and several piping penetrations were also included in the containment model. All construction materials had structural characteristics the same or nearly the same as those of actual containment buildings. A schematic of the containment is shown in Figure 2. Several reports that describe its design, construction, features, and instrumentation are available [1-6].

3.1 Material Properties

One crucial link between the containment model and the finite element analyses was the material properties. In addition to the many materials tests during the design and construction phases of the containment model, Sandia conducted additional material testing [1, 28]. Since the material properties are important, more material samples were taken than were needed for the testing, and they may be used for further material testing.

3.2 Reinforcing Steel

The complex reinforcing patterns used in the containment model reflected those in actual containments. The primary reinforcing material was #4 reinforcing steel (1/2 in. diameter), but some #5 bars were used at the basemat/cylinder junction to resist the meridional moment, and #5 and #6 reinforcing steel was used in the basemat. Shear reinforcing called for #2 and #3 bars; however, #2 bars were not readily available. Consequently, deformed 6-mm reinforcing bars of foreign manufacture were purchased, which had similar chemical and physical properties to the other reinforcing steel. All other reinforcing was A615 Grade 60.

Some typical reinforcement patterns in the model are shown in Figures 3 - 5. The reinforcing in the basemat and the bottom of the cylinder wall is shown in Figure 3. Figure 4 shows a typical section through the containment wall away from penetrations and the basemat. A photograph of the dome and some of its unique features are shown in Figure 5.

*The reinforcing steel number indicates the diameter in eighths of an in., for example, a #4 reinforcing bar has a 1/2-in. (4/8-in.) nominal diameter.

Figure 2. Typical Section Through 1:6-Scale LWR Reinforced-Concrete Containment Model.

Figure 3. Typical Section Through the Basemat of the Containment Model.

Figure 4. Typical Section Through the Cylinder Wall of the Containment Model.

Figure 5. Typical Section Through the Dome of the Containment Model.

Large and complex reinforcing sections not requiring in-place installation were prefabricated to meet the critical placing schedule and to balance the construction workload. Entire sections of inner and outer layers of boss reinforcement were bent and assembled with the use of templates at the site. This permitted concurrent fabrication of several areas with an accuracy that could not be achieved by normal means but was required to maintain tolerances acceptable in a 1:6-scale model. The two dome reinforcement layers were also assembled using a template and each layer was fabricated as a single hemisphere.

3.3 Splices

About 5000 mechanically swaged connectors were used in splicing the reinforcing steel, most being installed on the #4 reinforcing steel. These splices allowed for flexible construction procedures--they could be installed either at the site using a bench-mounted press or as the bar was being installed in the model using a hand-held press. All main reinforcing bars in the mat and shell were spliced with a standard swaged or a swaged threaded coupler. Two phases of testing ensured that splices would meet all the design requirements, including the condition that the average of all break tests show results equal to or greater than the minimum certified ultimate strength of the reinforcement material. The first phase qualified the strength and nonslip characteristics of each connector type for each anticipated field condition, such as wet or frozen bars and/or coupling sleeves, and missing deformations caused by mill markings. The second phase qualified the splicers and instituted a continual sampling program to ensure the acceptability of the field work. The results of the construction tests and splice tests are in Reference 1.

3.4 Liner

Chicago Bridge and Iron (CB&I) Company built the liner and the steel sections of the penetrations. The shell liner in the 1:6-scale containment was nominally 1/16 in. thick in the basemat and cylinder wall, stepping in the dome region of the containment to 1/12 in. thick. Thickened sections of the liner around penetrations, referred to as insert plates, were 3/16 in. thick. Liners in U.S. containments are generally fabricated of SA516 Grade 60 steel. Because this material was not readily available in the small quantities needed in the 1/16-in. and 1/12 in. thicknesses, SA516 Grade 60 was used only for the construction of the insert plates and the penetrations. A suitable substitute was selected, SA414 Grade D, for the 1/12-in.-thick and 1/16-in.-thick sections of the liner, after a study by CB&I. A stretchout of the liner cylinder is shown in Figure 6 where the thickened insert plates are indicated by crosshatching.

The liner was constructed in sections that included an internal frame system that supported the liner during transportation, construction, and placement of the concrete. All penetrations were added to the liner at the construction site. Over 25,000 headed studs were attached to the outside of the liner and eventually embedded in concrete. Studs with shank lengths of 1/2 and 3/4 in. were attached to the model by capacitive-discharge welding. The 1/2-in.-long studs were used in the liner below elevation 6 ft 3 in., while the 3/4-in.-long studs were used at all other locations. The spacing of the studs varied from 2×2 in. in discontinuity regions to a maximum spacing of 8×8 in. in the dome. A construction photograph of the lower section of the cylinder liner and the studs is shown in Figure 7.

Figure 6. Liner Stretchout Showing Containment Features.

Figure 7. Cylinder Liner Showing Stud Anchors.

3.5 Concrete

Several trial batches of concrete were made before the proportions of the final mix were decided upon. A well-rounded coarse aggregate with a nominal maximum size of 3/8 in. was used. High-range water reducers (superplasticizers) were used to limit the water/cement ratio to the code-specified value of 0.53. The slump required for the concrete lifts was about 8.5 in., except in the basemat and dome apex where the slump was reduced. To be properly placed in the containment model, the concrete had to be pumpable, flow well during vibration but not segregate, and consolidate well. To achieve these goals, several trial batches of concrete were tested. Trial batches were 4 to 5 cubic yards and were centrally batched and hauled to the site where they were pumped into a mock-up section of the containment wall. Through a plexiglass panel in the mock-up form system, the flow and consolidation characteristics of each trial mix were observed. While the concrete was still plastic, the mock-up was opened to seek out any lack of consolidation.

All concrete used for the model was centrally batched and hauled in trucks to the construction site, where it was pumped into the forms. Travel time from the central mixing plant to the construction site was about 45 minutes, necessitating the use of extended-life superplasticizers for the concrete that allowed a placing life of about three hours after batching. The compressive strength of the concrete at 28 days was about 5300 psi. Both direct tension and split-cylinder tests were performed [1]. The results of the concrete testing are in Reference 1.

3.6 Basemat

The 40-in.-thick basemat (43-in.-thick interior to the cylinder walls) in the 1:6-scale containment is somewhat thicker than would be linearly scaled from most full-size containments and does not include a reactor cavity, or other discontinuities. Because the dead weight of the model does not scale linearly from a full-size counterpart and because no internal structures of a containment were modeled, calculated moments at the base/wall intersection and uplift from bulging of the bottom of a linearly scaled basemat during pressurization were much higher than would be realized in a full-size containment. After scaling the moments at the basemat/cylinder wall intersection with the use of analyses, a 40-in. basemat thickness was selected.

Inside the cylinder wall, a backup bar for the welding of the liner was cast into a 3-in.-thick leveling course making the basemat 43 in. thick in that region. A schematic of this area is shown in Figure 8.

3.7 Penetrations

Both functional and representational penetrations were incorporated into the containment model. Most were scaled from typical penetrations in full-size containment buildings; however, several other penetrations were included for Sandia testing.

Two 40-in.-diameter equipment hatches, located at the same elevation, were scaled from typical equipment hatches in U.S. containment buildings. The major difference between the two equipment hatches was that the boss area of one projected entirely outward from the cylinder wall (equipment hatch A), whereas the other boss was centered in the wall so that it projected both inward and outward from the cylinder wall (equipment hatch B; see Figure 2). The

primary reinforcement around each of the equipment hatches was the same; however, their local reinforcement was different. Both equipment hatches had an inside pressure-seating cover; B had a second pressure-unseating cover on the outside.

Figure 8. Detail of Liner Knuckle.

All three equipment hatch covers had typical scaled sealing arrangements: the two pressure-seating equipment hatches had double gum-drop seals, and the pressure-unseating cover had a double tongue-and-groove seal. To gain some additional leakage information during the high-pressure test, the seals in the pressure-unseating equipment hatch were thermally aged (no radiation aging) prior to the test so that the seals would have about a 95% compression set retention; however, only 50% compression set retention was achieved.

This compression set retention was based on typical values when the seals were exposed to the Institute of Electrical and Electronic Engineers (IEEE) specifications:

- Thermal aging, 168 h at 300°F
- Radiation aging, 200 Mrad at a dose rate of less than 1 Mrad/h.

Silicone seals exhibit 75% and 99% compression set retention for the IEEE thermal and radiation aging, respectively. As discussed in section 6.2, some leakage may have come from the pressure unseating equipment hatch at a pressure as low as 125 psig.

Two personnel air lock representations were included. The sleeve diameter in both air locks was about 20 in.; other sleeve dimensions were scaled from full-size personnel air locks. The reinforcing pattern around the air locks was identical, but the air locks themselves were different. One air lock, PL-B, used a thick flat plate as a pressure-unseating door so that it

could be used as a "last-man-out" hatch. The other personnel air lock, PL-A, had scaled bulkheads and stiffener patterns typical of a full-size air lock, but no doors or sealing surfaces were included.

There were two 8-in.-diameter penetrations (designated R-1 and R-2) at the same elevation 180° apart on the cylinder wall. They were connected with a small rod, designed with a scaled stiffness, to simulate large-bore piping constraints on the growth of the shell.

Several other piping penetrations were also included in the containment model. One piping cluster included penetration diameters of 8 in. (1); 4 in. (1); 2 in. (2); and 1 in. (1). Other penetrations were provided to facilitate testing of the containment. These penetrations included five 6-in.-diameter penetrations that had 32 electrical couplings each for instrumentation lines, and a 4-in.-diameter penetration was used to connect the pressurization line to the model. The details of these "testing penetrations," such as liner and reinforcing steel details, were faithfully scaled from typical full-size containment penetrations with similar scaled diameters.

4. INSTRUMENTATION

4.1 Layout of the Test Site

The containment model was instrumented to assess its structural behavior, which included large strains and displacements as well as leakage characteristics during testing. The transducers were connected to a data acquisition and control unit in the signal conditioning bunker, adjacent to the reinforced-concrete containment model (RCM) (Figure 9). Data scans were transmitted to the data acquisition computer in the command bunker about 1500 feet away from the containment model.

Most transducers on the containment were strain gages and displacement transducers. Over 300 strain gages were attached to the reinforcing steel during construction, and over 160 strain rosettes (480 gages) and 160 single and strip gages were applied to the steel liner. Also embedded in the concrete wall were about 40 thermocouples and 20 embedment gages. In addition to this instrumentation, several video and still cameras were used during testing to provide both qualitative and quantitative data. A complete description of all instrumentation used during testing is in Reference 1. A brief discussion of the types of test instrumentation follows.

4.2 Pressurization System

A computer-controlled valve gallery controls gas flow into/out of the containment model. The valve system has a maximum flow rate of 6 lb/s, allowing a 2-3 psi pressure step to be applied in seconds. Compressed air from a tube trailer was used for all low-pressure testing, while liquid nitrogen that was gasified as it entered the pressurization lines was used for the high-pressure test. The valve gallery is shown in Figure 10.

4.3 Strain Gages

Over 1200 transducers were attached to the containment model to measure its response during pressure testing. Encapsulated-weldable gages of a single-element design were predominantly used on the reinforcing steel. Their small size allowed them to be attached with minimal disturbance to the bar by spot welding. Figure 11 shows a gage attached to a #4 reinforcing bar. Although the gages were quite durable, they were coated with a silicone rubber and potted in epoxy to protect them during installation and placing of the concrete. The weldable gages were capable of measuring 6-7% strain as determined by tests conducted at Sandia (manufacturer's claims are to 2% strain). Most of the gages on the liner were three-arm 45° rosettes, made of annealed constantan with a polyimide backing. The liner was carefully prepared and the Armstrong A12 epoxy used to attach the rosettes to the containment model was heat cured for several hours, enabling the rosettes to measure strains up to 20% [29]. Single gages and strip gages with the same properties as the rosettes were also used at various places on the containment liner.

Figure 9. Layout of the Test Site.

Figure 10. Computer Controlled Valve Gallery.

Figure 11. Weldable Strain Gage Attached to a Piece of Reinforcing Steel.

4.4 Displacement Transducers

Nearly 150 displacement transducers were used on the containment model. Linear potentiometers and linear variable differential transformers (LVDTs) measured displacements of 4 in. or less. They were predominantly used to measure local deformations of the penetrations and for monitoring crack widths during testing. Cable potentiometers, with maximum ranges of 5 to 300 in., were used to measure displacements of the model. Several displacement transducers were attached at discrete locations to measure global deformations of the containment, and to augment them, nine-track transducers were designed and built. The track transducers were, as their name implies, mounted on tracks and powered by a gear motor, as shown in Figure 12. The motor pulled the transducer along a track, while an arm followed the contour of the containment. Each track system had two transducers—one measured the location along the track, while the second measured the movement of the track-arm perpendicular to the track. Since the track transducers were controlled separately from the other transducers, they were not scanned at every pressure level. After the test, the data obtained from the track transducers were plotted, giving a displacement profile of nine locations about the containment model. These plots are included in Appendix B.

4.5 Other Transducers

Over 40 thermocouples were embedded in the containment wall and 33 on the inside of the containment liner. The thermal data were used in the correction of the apparent strain read by the strain gages. Also in the containment wall were several embedment gages. Although they were similar to a strain gage and measure strain, they were not attached to the reinforcing steel, but placed directly in the concrete. Other instrumentation used for the containment testing included eight inclinometers (to measure rotation at selected locations and basemat uplift), three weather channels, five pressure channels, twelve resistance temperature detectors, two flow meters, and a load link.

4.6 Optical Coverage

Both the still camera and video camera stations changed from the low-pressure testing to the high-pressure test to optimize the information recorded. The cameras used during testing are listed in Table 1. The low-pressure test served as a "dry run" for determining the photographic needs during the high-pressure test.

Images from the video cameras were used during high-pressure testing to aid in selecting pressure step size, length of hold periods, and specific transducers to monitor areas that exhibited interesting behavior.

Figure 12. A Track Transducer System for Measuring Displacements of Containment Model.

Table 1.
Still and Video Cameras Used During Containment Testing

	Low-Pressure Test	High-Pressure Test
Close Range Cameras	10	12
Overview Cameras	5	6
Total Still Cameras	15	18
Video Cameras	10*	12*

*One video camera was located inside the containment model.

4.7 Acoustic Coverage

The monitoring of acoustic emissions in a complex reinforced concrete structure is not a well-defined technology. In fact, few experiments on acoustic monitoring of reinforced concrete have been conducted. The primary purpose of the acoustic system was to determine if a leak was present in the containment model and to give its vicinity, but the system was not intended to be able to pinpoint the location of the leak nor be able to measure the leak rate.

The placement of six (seven for the high-pressure test) low-frequency acoustic sensors in the containment model was determined by the areas where leakage was most likely. From the pretest analyses, it was judged that the areas of potential leakage were near the major penetrations and near the basemat-cylinder wall junction.

The acoustic system was based on an extensively modified Acoustic Emission Technology (AET) Model 4900.* The system was also modified for use with a MicroVax II computer. The sensors chosen had a maximum response between 30 and 100 kHz. The sensors had an internal amplifier that boosted the signal by 40 dB that was again amplified another 40 dB at the AET 4900.

The data from the sensors were processed for both burst noise and steady-state noise. Burst noise measurements indicated potential cracking either in the concrete or the steel, while the steady-state noise measurements were a strong indication of potential containment leakage. Although it is not possible to separate totally the two types of noise with any system, it is estimated that more than 90% separation was achieved in the containment experiment.

As leaks or increases in leakage were detected with the acoustic system, the small leak rates were determined by conducting mass measurements of the gas in the containment over time. The final large leak rate measurement was made by flowmeters in the gas supply system.

*Internal Report, A. G. Beattie, "Acoustic Monitoring of the One Sixth Scale Model of a Nuclear Reactor Containment Building," Nondestructive Test Report, Sandia National Laboratories, Albuquerque, New Mexico, 1987.

5. LOW-PRESSURE TESTING OF THE CONTAINMENT

The model was tested much as a full-size prototypical containment is tested; that is, a Structural Integrity Test (SIT) and an Integrated Leak Rate Test (ILRT) were conducted at low pressure. These tests were followed by the high-pressure test. Highlights of the low-pressure testing are presented in the next two subsections.

5.1 The Structural Integrity Test

About 1200 transducers were used during the SIT [1], making this model the most heavily instrumented SIT ever conducted. Except for the track transducers, a few displacement transducers, and strain gages that were added after the low-pressure test, the same set of transducers was used for high-pressure testing. Although photographic and video coverage of the containment model was extensive for both tests, there were slight changes in the amount and location of the coverage. (There were 15 still cameras and 10 video cameras used during the SIT.)

The results from the instrumentation were compared to analysis results during the test at a minimum of 21 locations at each pressure step, which not only assured that the model behaved as expected but helped ensure that the containment model was safe to approach for crack mapping. (The analyses are discussed in References 30-33.)

The SIT was conducted in accordance with the ASME code, Section III, Division 2, CC 6000, and was pressurized using dry, compressed air, which also eliminated the need to measure the relative humidity in the vessel. Ten steps were required by the ASME code for increasing and decreasing the pressure in the containment during the SIT. In addition to these, intermediate steps were taken, and several additional data scans were performed. As pressure increased in the containment model, a data scan was taken at an intermediate step with no hold period. The pressure was then increased to the next SIT step, where a data scan was immediately initiated. After a one-hour hold at the required SIT pressure level, another data scan was performed, and crack mapping was conducted as required. If crack mapping was conducted, a third data scan was taken. Table 2 shows the loading schedule and data scans during the SIT. Standard tolerances for the pressure steps were about ± 1 psi for all steps except peak pressure, which had a tolerance band of $+1/2$ psi to 0 psi.

One additional crack mapping was conducted that was not required by CC 6000, at 46 psig, step 6. Since the previous two crack mappings were done under artificial light, a check was done the next morning in natural light, and no significant differences were found in the crack patterns.

On July 6, 1987, the first crack mapping was performed, with first pressurization occurring the next day. The last crack mapping was conducted four days later. The specific activities of the SIT follow and a chronology of the SIT may be found in Appendix A.

Table 2.
Loading and Data Retrieval Intervals for the SIT

<u>Step</u>	<u>Number of Data Scans</u>	<u>Pressure (psig)</u>	<u>Crack Mapping Conducted</u>
0	1	0	yes
1	1	5	no
	3	12	yes
2	1	17	no
	3	22	yes
3	1	27	no
	3	23	yes
4	1	40	no
	3	46	yes
5	1	50	no
	3	53	yes
6	1	50	no
	2	46	yes
7	1	40	no
	2	34	no
8	1	27	no
	2	22	no
9	1	17	no
	2	12	no
10	1	5	no
	5	0	yes

As pressure was brought up to 12 psig, some troubles with the data scanner were encountered. The test was terminated, and the pressure released from the model until the problem could be rectified. Pressurization of the containment model began again the following day, and all transducer scans were taken again. (The crack mapping performed at 12 psig on the first day of pressurization was not repeated.)

Further testing proceeded with no notable problems through the peak pressure and down to the 46 psig pressure step (step 6). Some leakage, however, was noted from the containment model through the AC power feed throughs. Step 10 was completed in the evening of the fourth day of testing. As can be seen in Table 2, additional data scans and crack mapping were done at 0 psig.

5.1.1 Crack Mapping

Mapping of cracks was done at six locations about the containment model:

- equipment hatch A at 0°,
- equipment hatch B at 180°,
- personnel air lock at 90°,
- basemat/cylinder wall junction at 90°,
- free field at 135°, and
- springline at 135°.

Crack widths were not recorded unless they exceeded 0.010 in. Each mapped area was gridded with a 6" × 6" grid on the untreated concrete (that is, no whitewash or other coatings were used on the concrete). Crack orientation and spacing were fairly uniform on the model and tended to follow the reinforcing patterns. Cracks in the cylinder wall were in the hoop and meridional direction that appeared to follow the 4-1/2-in. pattern of reinforcing steel, although in some areas the cracks followed the outer layers of reinforcing steel oriented at 45°. In addition to these cracks, well-defined cracks developed around each of the major penetration bosses where they intersected the cylinder wall. Very few cracks on the model were more than 0.010 in. wide. A complete set of these crack maps is included in Appendix A.

5.1.2 SIT Results

As with the crack widths, strains and displacements remained small throughout the SIT. Typical radial displacements measured at the peak pressure were in the range of 0.050 to 0.125 in. Typical strains varied by a like amount at 53 psig typical hoop strains in the free field at midheight of the cylinder were 0.06 to 0.10%. (A complete set of results from the SIT is plotted and tabulated concurrently with the results from the high-pressure test in Appendix C.) Some strains, however, deviated substantially from these typical ranges.

In the liner area adjacent to the insert plate for penetration R-2—a penetration that represented a steam line located at an elevation of 20 ft 11 in. at azimuth 315°—liner yielding was observed and local strains exceeded 0.55% at the peak pressure level of 53 psig. Figure 13 graphically shows the strain concentration near penetration R-2 at five pressure levels. Note that results from pressure level 46 and 53 psig overlay each other at some locations.

The first measured location, shown in Figure 13 as arc distance increases from the center of the penetration, is where a rosette was located on the insert plate. The insert plate intersected the nominal thickness liner material at an arc distance of 13.44 in. Adjacent to this was another rosette at a location of about 14 in. Beyond the second rosette was a series of seven gages on a common backing (a strip gage, 1 1/2 in. long) that intersected the attachment of a liner stud to the liner. The final gage response plotted in Figure 13 is another rosette located slightly over 16 in. from the center of penetration R-2, which recorded unusually low strain levels throughout this test.*

*The strain levels recorded by this rosette do not match the readings made during the high-pressure test at coinciding pressure levels. The reason for this discrepancy is not known.

Figure 13. Liner Strains in the Hoop Direction Near Penetration R-2.

Figure 13 shows that as pressure increased, strains remained small in the thicker insert plate. Strains in the neighboring nominal thickness liner showed a steady increase with increasing pressure, as well as a strain concentration that did not correlate with the presence of the stud. (During the high-pressure test, there was a strong correlation between the presence of the studs and the strain readings.) The plotted values of strain were connected by a line in Figure 13; caution should be used in interpreting values between those measured. A higher strain concentration possibly existed between gages but was not measured due to the discrete (and relatively large) size of the strain gage when compared to the relatively short distance over which the strain gradient likely occurred.

Compare the response of this area during the SIT with that of the high-pressure test in Figure 58. The concentration of the strains changed dramatically as the internal pressure increased.

5.1.3 Acoustic Coverage

Use of the acoustic system during the SIT was more a final check of the system than an effort to gain acoustic data since leakage was not expected during this test. The SIT provided a vehicle to test the acoustic system's performance during pressurization of the containment model and in the presence of the other systems used for the containment model testing. Crosstalk from other systems and transducers could have prevented the acoustic system from gathering useful data, but the acoustic system functioned adequately during this containment test.

The acoustic system was able to sense the emissions from the model and performed without incident. "Background" noise from the model and noise generated from a pressurization step were measured and recorded. Some areas in the containment model emitted more noise than others, but nothing unusual in these areas was detected in this test or the high-pressure test. During the SIT, six acoustic sensors were used; one more was added at the midheight elevation of the cylinder for the high-pressure test for a total of seven acoustic sensors.

5.2 The Integrated Leak Rate Test

The standards in ANSI 56.8 [34] were followed during the ILRT, with some exceptions. The most notable exception was the accuracy of the pressure transducers. The standard required ± 0.001 psi accuracy, and the two pressure transducers used during this ILRT were limited by the accuracy of the data scanner (approximately 5-1/2 digits). To compensate for this exception, the length of the test was extended, lasting nearly 50 hours instead of the 24-hour minimum required. Two methods--total time and mass-point-leak-rate--were used during leakage testing. As part of the ILRT, an orifice was placed in the containment model (at the valve gallery), and leakage was again measured. Details of this testing are presented below.

Following the leak repair of the AC feed throughs during the SIT, the ILRT began. The containment pressure was increased to 46 psig, the pressure source was effectively disconnected, and an isolation valve was closed that acted as a pressure boundary between the containment and ambient pressure. This allowed the air to leak from the containment model and at the same time prevented the pressure source from leaking into the containment.

Some leakage was detected going through the isolation valve, however. The first ILRT was conducted over approximately 48 hours. The leakage during this test was approximately 0.14% mass/day at 46 psig. Because of the magnitude of this measurement and the notable leak at the isolation valve, most of the leakage measured was likely from this source. In any case, the leakage was within normal acceptable limits for an operational LWR containment building, which typically has maximum acceptable leakage rates of 0.1 to 0.5% mass/day at their design pressure. A plot of the leakage assessment versus time is shown in Figure 14.

Following the ILRT, an orifice was placed in the valve gallery to simulate leakage from the model. The measured leak rate from the 0.070-in. diameter orifice was 11.5% at about 46 psig. Although this was somewhat large by industry standards, the goal was to use a typical leak size that might have been encountered and measured during overpressurization of the containment model as well as establishing the typical times necessary to measure leaks of these sizes.

The orifice used for this testing had a 0.070-inch-diameter hole. The final result of this test yielded a leak rate of 11.5% mass/day and was determined after 21.8 hours. The pressure in the containment model changed noticeably during the test because of the leak. Testing began

at a pressure of 57.1 psia and concluded with a pressure of 51.4 psia, while the temperature of the gas was relatively constant. The containment model's leakage history with the 0.070-in.-diameter orifice in place is displayed in Figure 15.

Figure 14. Assessment of Leakage Rate Versus Time.

Figure 15. Leakage Plot Using a 0.070-In.-Diameter Orifice.

6. CONDUCT OF THE HIGH-PRESSURE TEST

High-pressure testing was conducted continuously and was fully staffed around the clock. Nitrogen to pressurize the containment for high-pressure testing was trucked to the site in liquid form and gasified as it entered the pressure lines. Pressure-step size was based on both the predicted and the measured response of the model. Video information was also used to determine pressure-step size.

After the pressure was increased, several gages were monitored to determine the amount of creeping in the containment at the applied load. As anticipated, the model continued to creep slowly at the higher pressure levels; nevertheless, a full scan of all instrumentation was completed. (The track transducers were triggered independently and were not used at every pressure step.) If the model was at a pressure level for long, a second scan was usually conducted. At least one set of pictures from the 18 still cameras was taken at each pressure level.

The acoustic system was used primarily to determine whether the containment was leaking. The acoustic system could not pinpoint leakage, but a general location could be deduced.

Many predicted phenomena occurred during the test: cracks in the concrete became much wider, there was a noticeable caving of the sleeve of equipment hatch A, and the outer edge of the basemat lifted off the work mat, to name a few. The test was terminated because of excessive leakage that began somewhat suddenly, going from 8 scfm at 135 psig to over 4000 scfm at 145 psig. Highlights of the testing are presented in the following subsections.

6.1 Model Pressurization

Pressurization of the containment began with 10-psi steps on the morning of July 28, 1987. As the maximum pressure reached during the SIT was exceeded, step size was reduced to 5-psi steps and finally to 2- to 3-psi steps as more signs of damage were evident. The loading schedule is shown in Table 3.

The pressure listed in Table 3 is the set pressure that the computer controlled valve gallery was attempting to maintain in the containment model. The actual pressures recorded at these steps varied slightly from those listed in the table.

Table 3.
High-Pressure Test Loading Schedule

July 28			July 29		
<u>STEP</u>	<u>TIME</u>	<u>PRESSURE</u>	<u>STEP</u>	<u>TIME</u>	<u>PRESSURE</u>
1	11:18 AM	10 psig	15	12:34 AM	100
2	11:50	20	16	2:03	102
3	12:18 PM	30	17	2:55	105
4	12:41	40	18	3:19	107
5	1:29	50	19	4:10	110
6	2:00	55	20	4:37	112
7	2:31	60	21	5:20	117
8	3:08	65	22	6:08	120
9	3:39	70	23	7:44	122
10	4:15	75	24	8:49	125
11	7:26	80	25	10:37	128
12	8:35	85	26	11:48	130
13	9:44	87	27	12:24 PM	133
14	11:20	95	28	1:38	135
			29	3:38	138
			30	4:20	140
			31	5:20	143
			32	6:06	145
				7:23	End of Test

6.2 Points of Interest

As the containment was pressurized, many phenomena were observed. At 125 psig some leakage from the vicinity of equipment hatch B was sensed by the acoustic emission (AE) system. The AE system could not pinpoint the leakage; however, since the rate of leakage was small, it was most likely because of the unseating of the equipment hatch cover. With the accelerated aging of the seals (see section 3.7), very little separation would have caused some leakage.* Leakage noise was continually monitored and increased at higher pressures.** The first leakage that was large enough to measure during testing was recorded at 135 psig and had a value of 11% mass/day (8 scfm). Leakage was noticed coming from the vicinity of equipment hatch A at 138 psig, and the ovalization of the sleeve of equipment hatch A was very

* Internal memorandum, D.B. Clauss, "Comparison of Experiment and Analysis for the Behavior of Penetrations in the 1:6 Scale Reinforced Concrete Containment Model," May 2, 1988.

** During the posttest inspections, two small holes in the liner near equipment hatch B were found, and leak tests were performed on these tears. It was concluded that the leakage through the liner from these liner tears would have been much greater than that occurring during the test at these pressure levels. This further supports the hypothesis that the leakage was due to the unseating of the equipment hatch.

noticeable during the later stages of the test. The ovalization of equipment hatch A was unlikely to be a source of leakage because metal-to-metal contact was maintained and one gasket was still intact. Displacement measurements indicated nearly 1/2-in. increase in the horizontal diameter.

During the final stages of pressurization, the uplift of the basemat from the concrete work mat was very noticeable. The amount of uplift averaged at three locations was 3/8 in. at the peak pressure of 145 psig.

During high-pressure testing, few new cracks developed in the model; however, cracks that were visible from the low-pressure testing became much wider, some increasing to more than 1/8 in. wide. The cracks followed seismic bars (angled at 45°) as well as the hoop and meridional directions. In the lower sections of the containment, few cracks were obvious. Although there was some cracking below elevation 6 ft 3 in., the crack widths were very small during both low- and high-pressure testing. The lack of cracking is attributed to the constraint on radial movement placed on the cylinder wall by the relatively stiff basemat and the additional reinforcing required in this region because of the additional forces (bending and shear) at the cylinder/basemat junction. A schematic of the reinforcing pattern in this area may be found in Appendix B of Reference 1.

6.3 Events Leading to Test Termination

Since some leakage was believed to come from both equipment hatches A and B, a leakage test was conducted at 140 psig. The result of this leakage check was about 13% mass/day (10 scfm). As the pressure was increased to 143 psig, even more noise was sensed from near equipment hatch A. The leakage check at this pressure level gave a result of 62% mass/day (50 scfm). Finally, at 145 psig, an attempt was made to determine how much leakage was coming from each hatch. By changing remotely controlled valves on the two covers at equipment hatch B, leakage from B could be eliminated, assuming leakage was through the pressure unseating sealing surface.

The first attempt at measuring leakage was from the total containment, and a value of 234% mass/day (185 scfm) was obtained. Then, by changing the valves at equipment hatch B to eliminate leakage from it, a second reading was made. The leakage value was 352% mass/day (275 scfm) and was completed at 6:57 PM. It was then apparent that leakage near equipment hatch A was slowly increasing. This was confirmed by the acoustic emissions in that area. By 7:05 pm, just 8 minutes later, the leakage rate had increased to 4000 scfm (about 5000% mass/day), and the pressure in the containment was decreasing slightly even though nitrogen was being pumped into the containment model at the capacity of the pressure system.

It should also be noted that 4000 scfm is only a rough estimate of the flow rate because the rate was changing rapidly and significantly as the fill valves were opening and closing in the valve gallery, and there was a general increase of the leak rate with time. With this large leak, flow rates varied from about 3000 scfm to about 4500 scfm.

A data scan was then initiated (actual model pressure decreased to about 142.5 psig at this time) and completed before the decision to discontinue testing was made. A plot of the increase in the leakage rate is shown in Figure 16.

Note that the pressure begins at 100 psig and that the last leakage value of over 4000 scfm is not plotted in Figure 16. Figure 16 shows that the increase in leakage from the containment model grew quite rapidly over a few psi change in internal pressure.

Figure 16. Leakage Rate as a Function of Internal Pressure.

These results should be tempered with an understanding of the effects testing procedure may have had on them. As pressure is increased in the containment model, the structure slowly responds--anelastically straining at a given pressure level. If pressure steps were taken at a faster or slower pace, leakage could arguably have occurred at a slightly higher or lower pressure. This can best be understood by estimating the amount of anelastic strain during a pressure step.

Using the creep data generated for the #4 reinforcing steel [28] and a hoop stress of 75 ksi (the lowest level that material tests were conducted) the amount of anelastic strain can be estimated. The strain in the reinforcing steel from these calculations at a time of 1 second is 1.24%. The strain increases with time: holding the load constant for 3000 s (50 minutes) yields a strain of 1.45%. The stress of 75 ksi is close to the strain level in the hoop reinforcing at mid-height at an internal containment pressure of about 135 psi. The strains measured at the 134.42 psi pressure level at two mid-height hoop locations at 135° was 1.04% and 1.24% for Channels 1104 and 1107 respectively. The variation in strain at these two locations is about the same level of variation of strain that one would expect to be present from anelastic straining of the material for a load that was sustained for 50 minutes.

6.4 Posttest Inspection

The model was approached after the internal pressure had been reduced to about 20 psig. The major leakage was from around, but not through, an instrumentation port. That is the nitrogen was flowing between the *outside* of the penetration sleeve and the concrete that surrounded it. The concrete in the wall was still intact but noticeably cooler from the large

rush of nitrogen. The wall itself seemed somewhat delaminated because knocking on this area produced a noticeably different sound than that of neighboring areas of concrete.

6.4.1 The Liner Tears

Inside the containment, a 22-in. tear by the insert plate was obvious—running in a vertical direction about 1 in. from the insert plate edge. Upon closer inspection, many small tears or areas of distress were found on the liner near other insert plates. Some of these areas of distress were from (apparently) the liner reaching its ultimate strain, while other areas of distress were because of the studs tearing a hole in the liner. Figure 17 shows a stretchout of the liner with the known cracks and tears indicated. As can be seen in Figure 17, all tears and distressed areas occurred near the mid-cylinder region of the containment, which is where the hoop strains were greatest.

In addition, every tear in the liner was associated with a stud that anchored the liner to the concrete, and the tears were also close to an insert plate, with the only exception being the two tears adjacent to equipment hatch B. (The tears have been categorized into two groups by the mechanism that caused the tear. The tearing associated with the insert plates is referred to as a **shear** tear while the two tears near equipment hatch B are referred to as a **pull-out** tear.) The *maximum* distance away from the closest insert plate was about 1.2 in. (The insert plates had a nominal thickness of 3/16 in. and were butt-welded to the liner material, which was nominally 1/16 in. thick.) It is clear that the combination of the penetration, its insert plate and the studs used to attach the liner to the concrete had a pronounced affect on the liner tearing.

Figure 18 shows the major liner tear next to the insert plate for a piping cluster used for the pass through of instrumentation wires. Note the buckling around the edge of the insert plate that occurred during unloading of the containment model. Close observation of the tear reveals shadows from the studs that anchor the liner to the concrete. Posttest analyses shed much light on the reasons and mechanisms for the tearing in this region [33, 36].

The four tears around equipment hatch A are shown in Figure 19. The upper two tears were through the liner and exhibited leakage as discussed in the following section; the lower two areas were evidently not through the liner, since no measurable leakage was detected in measurements made after the test. Again note the proximity of the insert plates as well as the indentation in the liner because of the anchorage forces of the liner studs.

A distressed area occurred next to each of the insert plates of the two personnel air locks: one was a tear through the liner, and the other was severely distressed from the forces of the anchorage stud. The through liner tear adjacent to personnel air lock A is shown in Figure 20. The liner on the opposite side of each of the air locks had no visual signs of distress. Symmetry would suggest that some sign of distress would exist on each side of the air lock. Some thoughts on the air locks' lack of symmetry are presented in section 8.

Note the similarity in the location and mode of liner tearing in personnel airlock A versus equipment hatch A. Although the tearing was similar to the liner tearing around equipment hatch A (**shear** mode) there was only the one distressed area rather than the four, and further, the tear at equipment hatch A occurred on 45° diagonals as opposed to the horizontal diameter for the personnel air locks. Further analysis may reveal a reason, but speculation is that the diameter of the penetration and the ability of the larger penetration to deform (to become oval in shape) more easily may have strongly influenced the location and number of the distressed areas.

Figure 17. Stretchout of Containment Cylinder Showing Tears and Severely Distressed Liner Areas.

Figure 18. The Major Liner Tear.

Figure 19. The Four Distressed Areas Around Equipment Hatch A.

Figure 20. Tear Next to Personnel Air Lock A.

Two tears also occurred in the liner adjacent to equipment hatch B that were different from those previously discussed—a **pull-out** mode as opposed to a **shear** mode. The liner tears near equipment hatch B were associated with the local liner details that accommodated the inward projection of the equipment hatch boss. Because of this inward projection, there was a sharp discontinuity in the liner—an intersection of the cylinder wall with a truncated conical section—that was also attached to the concrete with studs. As the cylinder wall expanded under pressure, this angular junction tended to straighten out, thus loading the studs with tension. As the cylinder wall deformed, the studs tore holes in two locations on the truncated

conical section of liner. These two tears can be seen in Figure 21. A more detailed discussion as well as strain measurements at this junction are presented in section 7.6.

Note the difference in the shape of these holes as opposed to the others in the model: here the base of the stud tore a circular hole and is no longer attached to the liner, while in other locations, the stud was still attached to the liner and adjacent to a linear tear. Additional insight into the liner tear is presented in section 7.6.

Figure 21. Holes in Liner Adjacent to Equipment Hatch B.

6.4.2 Leakage Through the Small Tears

A leakage assessment of each of the smaller tears and distressed areas shown in Figure 17 was made.* Five small tears had measurable leakage, and a specially developed apparatus was made to measure the leakage through the small tears. The results from this testing are shown in Table 4.

The location presented in Table 4 is as viewed from the inside of the containment model. Other locations in Figure 17, but not included in Table 4, had no measurable leakage.

*Internal Report, D. Brinson, *Leakage Flow Through the Small Breaches in the 1:6 Scale Reinforced Concrete Containment Model*, ERC International, April 1988.

Table 4.
Posttest Leakage Measurements

<u>Location</u>	<u>Flow Rate¹ (scfm)</u>		<u>Leakage² (%mass/day)</u>	
	<u>125 psi</u>	<u>145 psi</u>	<u>125 psi</u>	<u>145 psi</u>
90° Personnel Air Lock	8	8	10.9	10.3
Equipment Hatch A				
Upper right	8	9	10.9	11.6
Upper left	10	12	14.8	15.2
Equipment Hatch B				
Upper	27	30	38.0	37.6
Lower	9	10	13.2	12.6

¹ Resolution of the flow meter is approximately $\pm 10\%$.

² Leakage rates are calculated from the flow rates measured and the volume of the containment model (10 890 ft³).

6.4.3 Vacuum Box Testing

Since the liner knuckle, the joint between the cylinder wall and basemat, was considered to be a likely place for liner tearing that could be caused by very small displacements, a thorough visual examination was conducted. No obvious tears or cracks were found. As an additional check of this area, a vacuum box test was conducted after all the paint was removed from the weld seams. Again, no signs of leakage through the weld seams were observed.

6.4.4 Ovalization of the Equipment Hatch Sleeves

Both during the test and the posttest inspection, significant ovalization at equipment hatch A was observed. This contrasts with a minimal amount of ovalization at equipment hatch B. The ovalization at equipment hatch A was sufficient to expose a portion of the one gum-drop seal at the left and right edge of the sleeve, as can be seen in Figure 22.

The detailed measurements and other data on the equipment hatches are presented in sections 7.5 and 7.6.

6.4.5 Basemat Uplift

The basemat uplift was measured in three ways: use of displacement transducers attached to the basemat and working mat, use of a rail and tilt sensor, and use of an internally mounted track transducer cantilevered from the center column. All the displacement transducers were

damaged during testing due to radial expansion of the basemat, but the tilt sensors and track transducers were able to measure the basemat uplift.

Figure 22. Exposed Seal at Equipment Hatch A Because of Sleeve Ovalization.

Three displacement transducers were attached to the outside edge of the basemat, and the working end of the transducer was attached to the top of the working mat. As pressure was increased in the containment model, there was also sufficient radial motion of the basemat to damage all three of these transducers. They were designed to allow for some small radial expansion, about 0.070 in., but this was obviously not enough.

The rail and tilt sensor method of measuring uplift used a rail that rested on the top edge of the basemat and continued radially to a pivot point about 10 ft from the basemat edge (see Reference 1). A tilt sensor was on top of this rail; thus, as the basemat moved upward, a change of tilt was recorded that could then be converted to uplift using trigonometric functions. The average uplift of the basemat as measured by this means was $3/8$ in. at the peak pressure level.

A picture of the residual uplift after depressurization of the containment model is shown in Figure 23. Since the uplift of the basemat was largely from elastic strains, only about $1/16$ in. of residual uplift existed after the model was depressurized. Section 7.3.3 describes the basemat displacements measured during the overpressurization of the model.

The third method for measuring the uplift and also the profile of the basemat was with a track transducer (section 4.4) cantilevered from the internal column. In addition to the track transducer, a fixed displacement transducer was attached to the extreme end of the track. The track transducer performed well, but was able only to obtain the basemat profile for $R = 1$ ft 11.8 in. to $R = 9$ ft 0.9 in.

The chronology of the overpressurization test events have been qualitatively described in this section. Selected measurements made during the test as well as observations and conclusions from these measurements are discussed in the next section.

Figure 23. Residual Uplift of the Basemat.

7. HIGH-PRESSURE TEST RESULTS

The results from the high-pressure test are presented in this section. Following a discussion on the accuracy of the measurements, the section is divided into general features of the containment, which include response of the feature. This is then followed by a summary of the results.

The instrumentation and its location and channel number may be found in Reference 1—they are not repeated here. Only a sampling of results is shown, but the measurements from all transducers are graphed and tabulated in Appendix C, which also has a table relating channel numbers to sensor type and its alternate name, if applicable.

7.1 Data Reduction and Interpretation

A few important notes are necessary to understand the following sections fully. First, the model, as recorded by most of the transducers, experienced a permanent set after the completion of the Structural Integrity Test (SIT). All transducers were zeroed before the start of the high-pressure test. No attempt was made to correct the high-pressure test results based on the results of the SIT. Since other events associated with construction also influenced the elements—the reinforcing steel, for example, was plastically deformed during construction—the strain history for any element is not fully known. Similar examples are the amount of cold working of the materials from other construction sequences such as welding of the liner material. Since a systematic method for correcting the high-pressure data based on the results from the SIT may not be appropriate for all uses of the data, a correction was not applied to the high-pressure test data. However, the data for the SIT and high pressure tests are both plotted and listed in Appendix C, allowing users of the data to make the corrections appropriate for their application.

Second, global displacements are particularly difficult to quantify in this type of test—no fixed reference frame existed, but one needs to be assumed. For global measurements, this was the center column inside the containment. Where possible, the global measurements were made directly from this column; however, this was not possible in all cases. Measurements in the dome, for example, were made from the upper platform, which could move relative to the center column. This was recognized before the test and measurements were made to determine the amount of relative motion between the column and the platform. Since these relative motions were very small, no corrections were made to the global measurements of transducers attached to the platforms, most of which measured displacements in the dome.

Third, many of the displacement transducers were attached directly to the wall. As the containment was pressurized, the wall could move in three-dimensional space, measuring radial displacement, meridional displacement, and any tangential displacement of the wall. (Admittedly, tangential displacement would have been small and was not measured at any point in the containment model, but is mentioned for completeness.) To decrease the sensitivity of the transducer to other directions of movement, the length from the attachment point to the transducer in the direction of interest was kept as long as possible (Figure 24).

Figure 24. Error in Displacement Measurements Due to 2D Movement (Torsional Movement is Ignored).

However, since radial displacement dominated in many areas, the vertical displacements recorded for the cylinder wall were assessed to determine if corrections should be applied. The following equations illustrate this concept for channels 217 and 218, which are located (approximately) at an azimuth of 228° and an elevation of 11 ft. Channel 217 measured meridional deformation, while 218 measured radial displacement. The gages are assumed to be attached at the same point, and any tangential displacement is neglected.

From Figure 24, and by using the Pythagorean theorem, two equations with two unknowns can be written:

$$\begin{aligned} DL1^2 &= DY^2 + (L1 + DX)^2, \text{ and} \\ DL2^2 &= DX^2 + (L2 + DY)^2. \end{aligned}$$

From the measurements report (Reference 1, Appendix A), the original lengths are obtained:

$$\begin{aligned} L1 &= 126.81 \text{ in.} \\ L2 &= 107.72 \text{ in.} \end{aligned}$$

The deformed lengths are obtained by adding the recorded displacement to the original length:

$$\begin{aligned} DL1 &= 128.76 \text{ in.} \\ DL2 &= 108.01 \text{ in.,} \end{aligned}$$

which were taken at the final pressure level.

Solving these equations yields the "independent" radial, DX, and meridional, DY, displacements.

Using the results of Channels 217 and 218 at a pressure of 143 psig, the corrected radial displacement is 1.9522 in. and the corrected meridional displacement is 0.2697 in., with respective errors of 0.0003 in. and 0.0176 in. Since 0.018 in. was the largest correction for this effect on any of the transducers at any pressure level, no corrections were applied. The displacement transducers that were assessed for this correction measured global meridional displacements in the cylinder wall: 0°- D54 (Ch 173), D55 (Ch 174), D57 (Ch 176), D60 (Ch 179); 180°- D88 (Ch 207), D89 (Ch 208), D91 (Ch 210), D93 (Ch 212); 225°- D95 (Ch 214), D98 (Ch 217), D104 (Ch 223), D105 (Ch 224).

Fourth, these same gages were also susceptible to another form of error. As shown in Figure 24, some of these gages were attached directly to the floor liner; however, the liner was not necessarily in direct contact with the concrete below it. As a result, when pressure was applied in the containment model, the liner was displaced until it contacted the concrete below it. Where this error was evident, the recorded displacements were corrected by using a straight line extrapolation from the readings taken at 20 and 10 psig for the high pressure test and 5 or 10 psig for the SIT. The largest correction applied was slightly more than 1/8 in. The amount of correction is listed in the tabulated data.

Fifth, the materials of the containment model crept at an applied load, making the test results somewhat time dependent. Note that this phenomenon of the steel materials used in fabrication of the containment model was investigated and reported in Reference 30. No account for this phenomenon is applied to the data. Section 6.3 offers a discussion and example of the magnitude of variance that could be present in the data due to material creep.

Finally, there are the ever-present errors from the limitations of the transducers and the sensitivity of the digital voltage meter used to take measurements during the test, as well as the digital accuracy of the computer and its math routines to convert the voltage readings to engineering units. These errors are generally much smaller than those from the other sources mentioned above and have not been accounted for in any of the results presented here.

7.2 General Cylinder Behavior

In this report, free-field response is defined as the response of the containment away from penetrations that disrupt its axisymmetric behavior. Since the region of influence of the four major penetrations particularly can be quite large, some perturbation in free-field response from the penetrations is present in the entire cylinder of the containment. This should be kept in mind when viewing the results in this section.

Significant containment building responses were associated with the cylinder wall. The largest strains and the largest displacements, as well as the liner failure that led to the termination of the test, occurred in the cylinder. Some of these responses, however, were more closely related to the penetrations and are covered in other sections.

As expected, the containment model response was not perfectly axisymmetric. There was noticeable variation in strains and displacements about the cylinder wall at a given elevation. In some cases, the variation could be attributed to features of the structure, while nonuniformity in material properties also had an effect.

7.2.1 Strains

Variations of hoop strain in the reinforcing steel and the liner near cylinder midheight are presented in a bar graph in Figure 25. The results in this figure were taken at the final pressure level, 143 psig, after the pressure decreased from the maximum level of 145 psig. The average value of strain recorded by the six gages plotted in Figure 25 is 1.69%.

In Figure 25, the lowest value of hoop strain in the reinforcing steel is at an azimuth of 46°, which lies behind a thickened section in the liner. It is certainly logical to assume that some of the circumferential load was carried by the thickened liner, reducing the strains in this region of the wall. The strain reduction, however, was not nearly as large as expected if a perfect bond existed between the insert plate and the reinforced concrete wall. There was thus some flexibility of the anchorage system, which allowed the thickened insert plate to slip relative to the concrete wall.

Variation in the hoop-direction liner strains is more difficult to explain. The liner gages in Figure 25 were over four feet away from the insert plates of the penetrations, which was as far away as practicable, considering the spacing of the penetrations. The variation in the liner strain can be attributed to the liner anchorage system. Anchoring the liner to the cylinder wall allowed the liner to bridge cracks developing in the concrete. When a crack was located over a liner strain-gage position, the anchorage system (in this case headed studs) transferred this strain discontinuity into the liner, which created a higher strain reading even in the free field. Conversely, when liner strain gages were located on top studs, the strains were much smaller than the free-field strains. Variation of material properties is likely to have had an equally significant influence.

There is also the fact that the liner was not at all locations in intimate contact with the concrete. Even though the liner was used as the internal form during the placing of the concrete, when the liner's internal support frame was removed the liner pulled away from the concrete at some locations. (Particularly at field welds that ran in the hoop direction.) A record was kept on whether or not the liner near a strain gage was in solid contact with the concrete. This record is found in the Appendix A of Reference 1.

Figure 25. Hoop Strain in the Reinforcing Steel and Liner at Cylinder Midheight at the Final Pressure Level.

Finally, the effect of material variation is a constant source of variation in liner strain readings. Whether variation in the stress-strain properties or the variation in thickness of the liner itself, some statistical scatter in the strain readings is expected.

7.2.2 Displacements

Similar variations in the radial measurements were also observed in the containment model. Figure 26 shows six radial displacements: two are located on the two equipment hatches, one is on the personnel air lock, and the remaining three are "free-field" displacements. All of these plotted displacements are at cylinder midheight near elevation 13 feet.

The largest radial displacements presented in Figure 26 were recorded in free-field areas. Shading indicates the range of free-field displacements, which indicate about a 1/2-inch difference at the final pressure step plotted. In general, the displacements associated with the major penetrations were smaller than these free-field displacements. Furthermore, the two largest penetrations, equipment hatches A and B, had the smallest displacements at the highest pressure readings. The smaller penetration, personnel air lock A (PL-A) located at 90°, had a radial displacement in the lower range of the free-field displacements at the later stages of the high-pressure test, but also note that among the displacements measured for this group, PL-A showed the least displacement for pressures below 125 psig.

Figure 26. Radial Displacement of Cylinder Wall Midheight.

The decrease in radial displacements at the penetrations clearly reflected the relative increase in the cylinder wall stiffness from the penetration bosses; that is, the thickened boss and the increased reinforcing in this area stiffened the cylinder section and reduced the outward displacement.*

* Because of the discontinuity of the penetration, the wall had substantially more reinforcing steel and was also thickened from its nominal 9-3/4 inch thickness to 1' 9", 1' 6-3/4", and 1' 3-3/4" for equipment hatches B and A, and PL-A, respectively [1].

7.2.3 Liner Performance

Liner performance is discussed in the following sections with penetration behavior, but even away from the penetrations, some interesting liner responses were recorded during the high-pressure test.

An attempt was made to measure the effect of a crack in the concrete on the behavior of the liner. Well-defined cracks developed on the outside face of the concrete from the low-pressure testing of the containment model. Two vertical cracks formed from the hoop stresses in the concrete were assumed to be through the wall thickness and intersect the liner. A strip gage was attached to the liner at this assumed intersection of the crack to measure the crack's effect on liner behavior. One of the strip gages (Strip 15) showed little unusual behavior, while the second strip gage (Strip 14, channel numbers 2364-2384) recorded a perturbation from a typical free-field response. The results from Strip 14 are shown in Figure 27.

Figure 27. Hoop Strain in Liner Near an Assumed Intersection with a Crack in the Concrete at 7 Pressure Levels.

As the pressure in the containment was increased, one gage on the strip showed an increase in compressive strains. As pressure was increased, the strain direction changed until at the final pressure levels it showed a tensile strain slightly greater than that of the neighboring gages on

the strip. This trend could certainly have been from a crack, but the magnitude of the compressive strain at this one region was surprisingly high and could have indicated something other than a crack in the concrete (a small void, for example).

Certainly this evidence is not conclusive, but a thorough investigation of this region is planned. Removing the liner in this section should support or refute whether this surprising liner behavior was from a crack in the concrete or some other feature.

7.2.4 Concrete Behavior

Strain gages were placed on the concrete surface after the low-pressure testing was completed in an attempt to measure the straining of the concrete during high-pressure testing between the cracks that had developed. Specifically, four tee rosettes (channel numbers 2440 - 2447) were placed between azimuth 90.27° and 91.94° at an elevation of 22 feet, 2-1/2 in. The recorded strain readings do not show a clear pattern for straining between the cracks. Lesser strains were anticipated near the cracks with increased tensile strains away from the crack edges. As can be seen in Figure 28, the strains were not always tensile, and in fact, as the internal pressure was increased, the strains dramatically decreased and in some cases became compressive for the last two pressure levels plotted. The reason is not fully understood, but the meridional bending in the cylinder wall from the constraint of the dome probably influenced the strain readings at this location. The heterogeneity of the concrete may also explain the strain readings. Whether a strain gage is located directly over a large piece of aggregate, or mortar can certainly influence the recorded strain gage response.

Figure 28. Hoop Strain in Concrete Between Two Vertical Cracks in the Cylinder Wall.

7.3 Basemat

The basemat of the containment model dished slightly from the loading of the internal pressure, and the concrete and the steel in the basemat showed slight nonlinear response. As a testimony to the magnitude of the forces involved in dishing the basemat, the meridional force applied to the rebar totaled 7.9 million lbs. at the peak test pressure of 145 psig. The following sections present some of the data on the rebar and liner strains and the displacements associated with the basemat.

7.3.1 Rebar Strain

The reinforcing steel in the basemat was instrumented with weldable strain gages. One of the difficulties in instrumenting the basemat was the change in reinforcing patterns the bottom reinforcing mat was arranged in an orthogonal pattern, while most of the top mat was arranged in a radial/circumferential pattern. To correlate more easily the bending/membrane response of the basemat, one of the orthogonal bars that passed through the center of the basemat (axis of revolution) was instrumented, since its performance should have been essentially the same as that of a radial bar. The radial bar directly above the orthogonal bar was also instrumented.

Figure 29 shows the measured response of the gages on the top basemat bar along its length at seven different pressure levels. Note that the strains towards the center on the basemat remained small throughout the test, but the strains in this radial bar near the intersection of the basemat with the cylinder clearly showed the tension associated with the bending moment due to the cylinder-basemat interaction. Also note that the fill slab that sat on top of the basemat extended 115 in. from the basemat centerline and might have influenced the strains (and displacements see section 7.3.3) plotted in Figure 29.

This response contrasted with that recorded in the lower layer of basemat reinforcing, as can be seen in Figure 30. At the outer edge of the basemat, the outer bars experienced compression for most of the pressure history because of the bending moment introduced by the cylinder, but a large change in strain was measured at the third strain gage from the edge of the basemat, which measured the highest tensile strains in this region.

The drastic change in strain, from slight compression at 80 psig to 0.2% strain at 145 psig may be largely explained by the reinforcing pattern in this area. One of the meridional reinforcing bars (11VB4001, as designated in Figure 29) in the cylinder was bent at 45° as it intersected the basemat and continued at this angle until it intersected the lower reinforcing mat at this location (96 in. from the basemat centerline) [1]. Some additional speculation or further analyses are needed to explain this response—the large change in strain may have been from the redistribution of the meridional forces in this bar or the angled meridional bar may have acted as a crack initiator and thus caused high strains in the area from the presence of a crack. Either or both of these factors may have influenced the strain in the reinforcing steel at this location in the basemat.

Figure 29 Strains in the Top Layer of Basemat Reinforcing Steel.

Figure 30. Strains in the Bottom Layer of Basemat Reinforcing Steel.

7.3.2 Liner Strain

The intersection of the floor liner and the cylinder liner had several strain gages, including rosettes and strips attached to it. Because of the bending strains of the cylinder wall and the transition of the liner itself from the floor to the cylinder, some large strain gradients were recorded.

The knuckle was fabricated from a section of pipe that had a nominal wall thickness of 0.154 in. and was tapered to the 1/16-in. thickness as it abutted the liner material. A strip gage, Strip 1 (channel numbers 260 - 264), was placed on this knuckle section. By the final pressure steps, a very noticeable spread in recorded strain occurred between the five gages on this strip. The strains nearer the floor seam remained elastic, while the strains steadily increased as they approached the cylinder liner, having a maximum meridional strain of about 0.425%. A similar but less significant change in strains was recorded with a strip gage about 130° from Strip 1. The results of strip gage Strip 1 are shown graphically in Figure 31.

Above this strip gage was strip 4 (channels 283 - 287), which was located entirely on the cylinder liner but adjacent to the knuckle-cylinder weld seam. While all the gages recorded elastic or nearly elastic strains, there were some differences in the results. Four gages showed very small increases in strain throughout the test and even some small compressive strains, while the fifth gage the one closest to the knuckle weld seam recorded a noticeably higher strain of 0.22% at the peak pressure.* A plot of the results from this strip gage is shown in Figure 32.

Two comments should be made about measuring strain concentrations that occur over a very small (relative to the gage length) length as is the case here and in other liner strain measurements in this report. First, each strain gage on a strip averaged the strain over the area where the single gage was applied [35]. Second, the strain concentration in this area may have occurred over a small distance very near the weld seam (see page 161 of Reference 30). Because of the physical constraints in placing the gages adjacent to the weld seam, even this first gage may have missed the actual peak strain, and the peak strain at this location was probably not measured.

Combining the results from these two strip gages and plotting the results as a function of distance (at 7 pressure levels) gives the strain field depicted in Figure 33.

* One of the gages on this strip showed a substantial increase in strain as the model was depressurized, changing from very near zero strain at the peak pressure to about 2% strain after depressurization.

Figure 31. Meridional Strain vs Pressure for Strip Gage 1 in Liner Floor/Cylinder Knuckle.

Figure 32. Meridional Strain vs Pressure for Strip Gage 4 in Liner Cylinder.

Figure 33. Meridional Strain Field at Liner/Wall Junction at Seven Pressure Levels.

The strains measured in the knuckle showed a steady increase in strain at each pressure level plotted.* The results from the strip gage on the cylinder wall are more complex. The first gage (closest to the weld seam) also showed a steady increase in strain at each pressure level. The remaining four gages measured compressive strains for most of the pressure levels plotted, indicating bending in the liner from the movement of the wall and the reaction of the stud anchor. The influence of the stud, whose approximate location is shown in Figure 33, on these liner strains is quite obvious. Although the strains recorded are connected by a straight line in Figure 33, the strain field was probably more complex, and the actual peak strain was most likely not measured. Since the strains measured inside the liner were compressive and were probably from local bending of the liner, it should be noted that the strain on the concrete side would be higher because the bending strains would be superimposed on the membrane strains. A look at the local liner strains in this area help support this hypothesis.

The local bending of the liner knuckle was measured in a few locations by placing weldable strain gages on both the concrete side and at matching locations on the inside of the liner. At azimuth 90°, six such gages existed, and their results are graphically shown in Figure 34. It should be noted that the gage length of the weldable strain gages is about 0.61 in. with a physical length that is 1.09 in. This larger gage will average the strains in the liner over its gage length, thus obscuring the peaks in the strain that were measured by the shorter strip gages plotted above. That is, a direct comparison of the strains should not be made, but the weldable gages plotted in Figure 34 show the local variation in strain from the inside to the outside of the liner—there was some local bending of the liner in this area. The four gages

* Both of these gages measured meridional liner strains, contrary to what was reported in the Appendix of Reference 1.

nearest the knuckle measured tension on the inside of the liner and compression on the concrete side of the liner for the entire duration of the test. The remaining two gages, located 4.5 in. above the containment floor, followed this same trend until 95 psig when both gages were measuring tensile strains. By 118 psig the tensile strain measured by the inner strain gage, channel 2189, began to decrease. By 140 psig the strain gage on the concrete side of the liner, channel 886, was recording higher tensile strains than the inner strain gage. It is clear from this data that local bending of the liner was occurring—the liner was not acting as a membrane attached to the reinforced concrete wall.

7.3.3 Displacements

The uplift calculated from the measurements made with the inclinometers is presented in Figure 35. A sudden increase in the uplift of the basemat edge was recorded by two inclinometers as the internal pressure exceeded 75 psig, in contrast to the third inclinometer, which recorded a gradual increase in basemat uplift as the pressure increased. The sudden increase in uplift at the two measured locations was probably from either the breaking of the bond between the working mat and the basemat and/or the cracking of the basemat concrete. Note that the residual uplift was substantially less than the maximum uplift (see Figure 23), indicating that the uplift was largely from elastic strains in the basemat.

Figure 34. Inside and Outside Liner Strains Near the Knuckle.

Figure 35. Uplift of the Basemat at Its Outer Edge.

7.4 Dome Response

The response of the liner and the reinforcing steel in the dome was mostly elastic throughout testing; cracks in the concrete and any plastic strains remained small. The termination of the meridional reinforcing bars as they approached the dome apex and the termination of the seismic and hoop reinforcing near the springline did not show sudden changes in strain in the neighboring reinforcing bars or in the liner. There was noticeable influence of the bending moment at the springline as recorded by the instruments in the region.

7.4.1 Rebar Strain

As was expected, the bending moment at the springline from the constraint of the dome on the cylinder radial displacement, noticeably affected the strains measured in the reinforcing steel. From the first pressure step to the last, the strains in the inside layer of meridional reinforcing were higher than those in the outside layer in the vicinity of the springline. This is illustrated by eight strain gages on the meridional reinforcing bars located in the dome above the springline: the strain as measured at the final pressure level (143 psig) is shown in a bar graph (Figure 36).

Figure 36. Strain Comparison Between the Inside and Outside Layer of Meridional Reinforcing Steel Above the Dome Springline.

As the reinforcing steel approached the dome apex, the difference between the outside layer and inside layer strains was smaller than observed at the springline, and a reversal of moment was also observed. At about 40° from the springline, the strain in the outside layer of reinforcing (0.14%) was slightly higher than inside (0.13%) at the final pressure level. Again as the reinforcing bars approached the apex, the strain increased and the moment reversed. At an angle of about 79° , the inner layer of meridional reinforcing steel had a strain of 0.19%, and the outer layer had a strain of 0.16% at the final pressure level.

The strain in the hoop-reinforcing steel near the springline also showed significant variation from the inside layer to the outside, with the inside layer of hoop exhibiting noticeably larger strains at three circumferential locations.*

The variation in the hoop strains from the inner to the outer layer and the little evidence of circumferential bending may seem difficult to explain unless the performance of the seismic bars and the concrete is considered. As the meridional moment increases, the seismic bars aided in resisting this moment; however, since they were angled at 45° , they were also compressing the outer hoop bars because a hoop strain as well as a meridional strain was induced. In addition, the information gathered from these hoop bars during the test suggests that the inner hoop bars had little interaction with the concrete (the meridional moment that had certainly cracked the concrete on the inner surface), whereas the outer hoop bars apparently still resisted the hoop forces with the aid of the surrounding concrete. Figure 37 is a bar graph of the inner and outer hoop strains circumferentially about the springline as recorded at the last pressure level.

*One gage, W42 (channel 481), gave questionable results and is omitted from the figures and discussion.

Figure 37. Strain Comparison Between the Inside and Outside Layer of Hoop Reinforcing Steel Above the Dome Springline.

7.4.2 Liner Strain

The liner strains varied much as the reinforcing strains did: strains were larger near the springline and reduced in magnitude as they approached the dome apex. The maximum and minimum principal strains calculated above the termination of the seismic bars were similar but not equal in magnitude (Figure 38).

As can be seen in Figure 38, and as was typical for other rosettes in the dome, the difference between the principal maximum and minimum strains increased as the pressure increased. In general, at locations above the termination of the seismic bars, the principal strains were in the hoop direction, but the strains nearly equaled the strains in the meridional direction at the later pressure levels. This was in contrast to the dome sections with the seismic bars where the meridional strains were about twice those of the hoop strains.

Figure 38. Dome Liner Strains (Principal Maximum and Minimum) 67° from the Horizontal.

7.4.3 Displacements

The displacements in the dome were coupled with the meridional displacements of the cylinder, which averaged 0.55 in. The dome apex, including meridional displacement of the cylinder, rose over 1 in. during pressurization (Figure 39).

7.5 Equipment Hatch A

As with the other three major penetrations, a major crack formed between the boss and its intersection with the cylinder wall during the SIT and its width gradually increased during the high-pressure test.

Strains in the rebar that formed the thickened boss remained small (elastic or slightly plastic) during the high-pressure test. Primary reinforcing, present in the nonperturbed cylinder and merely bent around the penetration, accumulated less strain and displacement when compared to the free-field response of the reinforcing steel.

Figure 39. Vertical Displacement of Dome Apex Including Meridional Shell Stretching.

Global displacements of equipment hatch A were slightly smaller than those of the free-field counterparts. Displacement histories of the hatch and its cover demonstrated that the rotation of the sealing surface remained small throughout the high-pressure test, but translational motion from the hatch sleeve becoming oval was quite significant. One of the two gum-drop seals was exposed over a portion of its length because of the ovalization of the sleeve (see section 6.4.4).

Two embedment gages were located around the boss of equipment hatch A at 12 o'clock and 9 o'clock* where the thickened boss intersected the nominal wall thickness. The results of these two gages are contrasted in Figure 40.

As can be seen, the strain in the horizontal (hoop) direction was substantially greater than that in the meridional direction of the boss. The strains were substantially lower, however, than those measured in the free-field regions of the liner. The difference between the strains measured by the embedment gages and the free-field liner strains were probably from the bending induced by the discontinuity of the boss and the additional stiffness of the boss from the local reinforcing, some of which extended beyond the thickened boss region. (See Appendix B, page B-37, and Reference 1, page 38, for reinforcing details.)

* All clock faces in this report are as viewed from **inside** the containment model.

Figure 40. Concrete Embedment Gages Near the Boss of Equipment Hatch A.

Details of the strains and displacements of this equipment hatch are presented in the following sections.

7.5.1 Rebar Strain

The local circumferential bars that encircled the equipment hatch sleeve (bar 19CB4502; see page B-38 of Reference 1) varied in the strain measurements along a single bar. The strains were higher at the 12 o'clock position than at the 9 o'clock position (Figure 41).

7.5.2 Liner Strain

Several strain gages were located about equipment hatch A to measure any bending in the liner. Six strain rosettes on a horizontal line at 3 o'clock and six on a vertical line at 12 o'clock were each backed on the concrete side of the liner with a matching strain rosette (a total of 24 rosettes). Using a rosette on both the inside and concrete side of the liner allowed a measurement of local liner bending.

Figure 41. Variation in Hoop Strain in the Reinforcing Bar Around the Sleeve of Equipment Hatch A.

The largest strains recorded in the *entire* containment model were measured by a rosette near the insert plate of equipment hatch A at about 2 o'clock. This was very near where the liner developed a small tear during testing. The results from this strain rosette, after being converted to principal strains, are shown in Figure 42. Other rosettes were placed around the azimuth of equipment hatch A. There was a pair of rosettes at 3 o'clock and another pair at 12 o'clock. The pair consisted of a rosette on the inside of the liner and a rosette on the concrete side of the liner. Rosettes 1 and 13 were at the 3 o'clock position just beyond the insert plate. The maximum strains read at this location were 2.24% and 2.10%, respectively. Rosettes 7 and 13 were at the corresponding 12 o'clock position. The respective maximum strains read at this position by these rosettes were 1.35% and 1.16%. The average of these four strains, 1.71%, is the same as the average hoop strains that were recorded at containment mid-height (1.69%) as discussed in section 7.2.1. The maximum strains that were measured at the 2 o'clock position, as can be seen in Figure 42, was 8.22%—nearly five times greater than these other locations.

The intersection of the liner insert plate with the equipment hatch sleeve was instrumented with some strip gages that measured the meridional strains of the sleeve. At the 3 o'clock position of the sleeve, there was a strong influence on the meridional strain from the interaction with the insert plate. The variation in strain near the intersection of the insert plate with the liner is shown in Figure 43. The zero on the abscissa indicates the center (1/2 the plate thickness) of the insert plate; however, there was also a 3/8-in.-thick collar behind the insert plate that was designed to withstand radial forces from the equipment hatch (see page B-65 of Reference 1).

Figure 42. Liner Strains Near the Insert Plate of Equipment Hatch A.

Figure 43. Meridional Strains at the Intersection of the Sleeve and Insert Plate of Equipment Hatch A.

The strains became slightly negative at 10 psig and, by 80 psig, had reached the maximum negative strain plotted in Figure 43. For the remaining pressure levels plotted, the strains became less negative as the internal pressure increased, with five of the six gages recording a tensile strain by the final pressure level. The insert plate clearly caused meridional bending in the equipment hatch sleeve, but the magnitude of the strains remained elastic throughout the test.

7.5.3 Global Displacements

As presented in section 7.2, the displacement of equipment hatch A was less than that of the cylinder away from penetrations at the same elevation. A plot of the displacement versus pressure is shown in Figure 44 for a displacement gage attached to the center of the hatch door and one attached to the hatch sleeve.

The two displacement measurements were expected to be very similar, but if the hatch door buckled, this sudden change in displacement would have been detected by comparing these two displacement transducers.

Figure 44. Radial Displacement of Equipment Hatch A.

7.5.4 Local Displacements

A few highlights of the penetration response are presented in this section. In equipment hatch A, the thickened boss region projected entirely outward from the containment; thus, the liner had a constant radius as it approached the equipment hatch sleeve. As a consequence, the liner force was transmitted directly into the equipment hatch sleeve, causing it to deform into an oval. The change in the horizontal and vertical diameters is shown in Figure 45.

The amount of ovalization can be directly related to the amount of hoop strain at the elevation of the penetration as in

$$\delta = \epsilon_{ff} d_s \quad (1)$$

where δ is the maximum change in sleeve diameter, ϵ_{ff} is the free-field hoop strain of the cylinder wall at the elevation of the penetration, and d_s is the outside diameter of the penetration sleeve. This equation was developed and previously reported by Clauss [14], and captures the phenomenology amazingly well, considering its simplicity. The correlation between Eq. (1) and the experimental results is shown in Figure 46.

Note that the absolute value of the amount of ovalization was plotted in Figure 46. The "1" marker represents the sum of two transducers that were measuring the change in radius of the hatch and were diametrically opposed. The "2" and "3" markers represent measurements taken by transducers that spanned the diameter of the hatch in the direction noted on the figure. The decrease in the vertical diameter at a point sufficiently far from the intersection of the sleeve and liner is about equal in magnitude to the change in the horizontal diameter, but opposite in direction to it. The solid line is based upon Eq. (1), which uses the results (values of free-field strain) from an axisymmetric analysis of the containment model [31].

7.6 Equipment Hatch B

Equipment hatch B had two covers: one on the inside and one on the outside of the penetration sleeve. The gaskets of the pressure-unseating equipment hatch were thermally aged prior to testing. The aging caused the gaskets to retain a permanent set; thus, as the bolts that held the hatch cover in place elongated and the cover unseated, less resiliency of the gaskets caused the tongue to lose contact with the gasket at less deformation. This results in leakage at lower pressures. The gaskets were aged to about a 50% compression set retention (see section 3.7). A very small leak from the vicinity of equipment hatch B was first detected by the acoustic emissions system at a pressure of 125 psig. Enough separation of the sealing surfaces seems to have occurred to allow leakage past the seal surface. This conclusion is based on the slow and steady increase in the acoustic noise in this area and the fact that the liner tears discovered after the termination of the test (see Figure 21) would have resulted in a sudden increase in leakage and a much higher rate of leakage (see Table 4).

The boss for equipment hatch B projected outward and inward, which caused a junction in the liner. As the containment was pressurized and the hoop strain began to increase, this junction was loaded and caused the studs holding the liner to the concrete eventually to tear the liner. The result was two small circular tears that had a diameter equivalent to the base of the stud. The angle of the liner at this intersection was sharp at the initiation of the test but had rounded during high-pressure testing as shown in Figure 47, moving away from the concrete that backed it.

Figure 45. Ovalization of Equipment Hatch A.

Figure 46. Comparison of Equipment Hatch A Ovalization with Equation 1.

Figure 47. Plan View of Hatch B Showing Deformation of Liner at Boss Junction.

This liner discontinuity and the resultant flexibility of the liner at this point are probably the key factors in the lack of ovalization in this equipment hatch sleeve.

7.6.1 Rebar Strain

As in equipment hatch A, the circumferential bars that surrounded the sleeve of equipment hatch B were instrumented with weldable strain gages. Although a similar difference in strain was observed between that at the 9 o'clock versus the 12 o'clock position on this reinforcing bar, the strains plotted in Figure 48 were higher than those observed in equipment hatch A (see Figure 41.)

7.6.2 Liner Strain

Since the boss for B projected inward, the liner had an abrupt change in radius. This effectively softened the liner and greatly reduced the force transmitted to the sleeve of equipment hatch B, resulting in little ovalization of the sleeve. Other differences from equipment hatch A were also observed.

A truncated cone was used to transition the liner from its larger nominal radius to the face of the boss and the intersection of the liner with the equipment hatch sleeve. As the liner began to strain and deform during the test, an increasing amount of force was applied to this truncated conical section of liner. This had two obvious consequences determined after the test: this initially angular junction deformed, tending to round out the junction (Figure 47), and pull-out forces were placed on the studs anchoring the liner to the concrete.

In two cases, the studs on the conical liner section tore holes in the liner. These were not the only studs that aided in distributing this force. The studs adjacent to the conical liner section in the nominal wall radius held the liner in place, causing it to bend at the attachment of this stud to the liner. Figure 49 shows the strain distribution in the liner near the boss. The strain rosette at position 0.0 was adjacent to the weld seam between the conical liner section and the 132-in.-radius liner. About 1.25 in. to the left of this weld was a stud that had seven strain gages located about its attachment point. The third gage plotted was another strain rosette about 4.25 in. to the left of the first rosette.

As the pressure was increased in the containment model, the two rosettes measured a corresponding increase in liner hoop strain. This was in contrast to the gages located immediately adjacent to the stud, which measured a consistent increase in *compressive* strains in the liner. This was clearly because of bending caused by the discontinuity of the truncated conical liner section. It followed that the tensile strains where the stud was attached to the concrete face of the liner were much larger, since the bending tensile strains would be superimposed over the tensile membrane strains, but these strains were not measurable during the test.

7.6.3 Global Displacements

The radial displacement of equipment hatch B was similar in response to those measured for equipment hatch A as can be seen in Figure 26. Radial response was measured at two locations on this hatch, but one of the displacement transducers gave some erratic response at lower pressures, though both correlated well at higher pressures. The response from the "better" sensor is plotted in Figure 50.

7.6.4 Local Displacements

The ovalization of the sleeve of equipment hatch B remained small relative to equipment hatch A throughout the high-pressure test, probably from the liner discontinuity as mentioned previously. A plot of the ovalization at the same scale as in Figure 46 is shown in Figure 51. Three pairs of transducers were positioned along the length of the sleeve to measure its change in diameter: a pair of transducers, one measuring the change in diameter in the horizontal direction and the other in the vertical direction, was attached near the inboard edge, mid-way, and near the outboard edge of the sleeve.

Figure 48. Variation in Hoop Strain in the Reinforcing Bar Around the Sleeve of Equipment Hatch B.

Figure 49. Liner Hoop Strains Adjacent to the Conical Liner Section at Equipment Hatch B.

Figure 50. Radial Displacement of Equipment Hatch B.

The separation and rotation of the pressure-unseating equipment hatch cover and the equipment hatch sleeve were measured with eight displacement transducers, but in posttest interpretation of the data, some inconsistencies were found. To use these data to draw conclusions about these local deformations would be to base the conclusions more on speculation than sound measurements.

One example of this is the strain measurements recorded on the hatch swing bolts, which used an eye rather than a head. Although good strain measurements were made on the reduced section of the bolt, they did not correlate with the deformation of the bolt. This inconsistency led to a more detailed posttest inspection of the bolt and its overall deformation. The major finding of this inspection was that the eye of the bolt distorted significantly under the loads encountered during testing. Thus this additional flexibility in the bolt made correlation between the strain and the deformation impossible using the information gathered.

It should be noted that more testing of this equipment hatch is planned and will include both pressure and temperature loadings.

7.7 Personnel Air Locks

Since one of the air locks was used as a last man out hatch (PL-B), its cover was not typical of a full-size air lock, and it could not be as readily instrumented as the other, more typical air lock. The other air lock, PL-A, had a typical stiffener pattern on the inner and outer bulkheads but no operating doors or sealing surfaces because it was assembled entirely by weldments.

7.7.1 Rebar Strain

As with the equipment hatches, a local reinforcing bar that encircled the personnel air lock sleeve was instrumented at the 9 o'clock and 12 o'clock positions with two gages at each location. The local strains showed a similar variation between the 9 o'clock and 12 o'clock positions, but the magnitude of the strains was much less than the analogous equipment hatch strains. The data from these gages have been plotted in Figure 52.

7.7.2 Liner Strain

The liner was either torn or distressed adjacent to each air lock insert plate (see Figure 20). In the case of PL-A, the liner tear occurred about 1-1/4 in. from a strain rosette. Although this was not the largest liner strain measured (see section 7.5.2), the strain measured at this location was substantially above the free-field strains. A plot of the response of this gage is shown in Figure 53.

As with other similar liner details, the strain concentration from the insert plate and the loading of the studs was very localized. A more highly instrumented area was monitored during the test and is presented in section 7.8.2, which shows the very local nature of the strain concentration adjacent to an insert plate.

The strains measured in the bulkhead of the personnel air lock remained small throughout the test, showing no signs of yielding.

Figure 51. Ovalization of Equipment Hatch B.

Figure 52. Variation in Hoop Strain Around the Sleeve of PL-A.

7.7.3 Global Displacements

The radial displacements of PL-A were presented in section 7.2. Of the free-field displacements measured and the two equipment hatches at this same elevation, PL-A showed the smallest radial displacement to a pressure of about 125 psig. Above this pressure, its radial displacement increased at a faster rate than that of the other areas. At the conclusion of the test, the radial displacement of PL-A was greater than that of the other two major penetrations and was even greater than some of the free-field displacements at this cylinder elevation.

7.7.4 Local Displacements

Several displacement transducers measured the dishing of the bulkhead, which was measured relative to the end of the sleeve. (The location of these gages may be found in Reference 1.) There were also displacement transducers in the air lock sleeve near the intersection of the sleeve and the cylinder liner. When compared to pretest predictions of the dishing of the

bulkhead, the experimental results showed less bulging than expected by the analytical results.* One logical explanation is that the stiffening of the bulkhead was from the tensile forces induced by the cylinder liner, which was not accounted for in the analyses, much like the tightening of a drum head

Figure 53. Liner Strains Adjacent to PL-A Insert Plate and a Liner Tear.

The measured deformation of the center of the bulkhead normal to its plane is shown in Figure 54. There were other displacement transducers on the bulkhead that measured similarly small deflections. Note that the larger the negative value of displacement, the greater the dishing of the bulkhead.

The sleeve of PL-A did not oval significantly, and there was no liner discontinuity as was the case with equipment hatch B. There is, however, one other consideration in applying Eq. (1): the sleeve must be free to deform inextensionally. In the case of PL-A, the bulkhead was welded to the sleeve and prevented this movement. In contrast, there were only the frictional forces between the cover and the sleeve at equipment hatch A. A plot of the sleeve deformation is shown in Figure 55, which is drawn at the same scale as Figures 46 and 52.

*Internal memorandum, D.B. Clauss, "Comparison of Experiment and Analysis for the Behavior of Penetrations in the 1:6-Scale Reinforced Concrete Containment Model," May 2, 1988.

Figure 54. Dishing of the Center of the Bulkhead at PL-A.

Figure 55. Ovalization of PL-A.

7.8 Constrained Pipe Penetration

R-1 and R-2 were two 8-in.-diameter penetrations that were located at an elevation of 21.125 ft, 180° apart at 135° and 315° on the cylinder wall. (See Figure 17.) They represented a major steam line penetrating the model. As a containment expands because of overpressurization during a severe accident, the steam line might have loaded the containment because of its inability to move freely. This loading, or constraint, was modeled in the containment by connecting the two penetrations by a small (6-mm diameter) reinforcing bar. The degree of constraint was selected by analyzing three piping systems of two full-size containment buildings during the design of the containment model. Although the degree of constraint varied significantly, a "typical" scaled stiffness was selected to represent this constraint in the containment model.

7.8.1 Rebar Strain

The reinforcing strains around this penetration were somewhat difficult to interpret, since it was difficult to determine whether the effect was from the constraint on the penetration, the constraint from the dome, or just typical variation of the strains in the reinforcing steel.

The hoop strains in a reinforcing bar that ran about a foot below the constrained penetration, R-2 averaged strains of 1.1% at the final pressure level, with the four locations on the bar being at azimuths 0°, 46°, 180°, and 242°. There was another hoop reinforcing bar 9.3 in. above the penetration. At a location of azimuth 44.5°, the strain was .47% at the final pressure level. The strains in the reinforcing bar adjacent to the penetration had noticeably lower strain readings, as shown in Figure 56. One of the gages was on the innermost layer of hoop reinforcing steel, while the other two were located on the outermost layer of reinforcing. The response of the three gages is relatively consistent.

The strains in the meridional direction also showed variation because of the constrained penetration. For the outer layer of meridional reinforcing, the strains measured showed much less variation from the presence of R-2. In three separate bars, two near R-2 and one in the free field, the peak strains were .23%, .19%, and .26% at locations of 312°, 313°, and 47°, respectively. The strains measured on the inner layer of meridional reinforcing steel at these locations are plotted in Figure 57. The strains near the penetration were much lower than the free-field strains and also lower than those measured in the outer layer of meridional reinforcing steel near R-2. Although the loading of the reinforcing and the concrete in the vicinity of R-2 is more complex than in the surrounding free field, all indications from the measurements taken in this area indicate that the constraint placed on the containment shell through the fixity of the steam line reduced the strains and displacements in this area.

7.8.2 Liner Strain

Some interesting liner strains were also measured at penetration R-2. It should be noted that at the location of each tear discovered in the liner after the high-pressure test (with the exception of the tears near equipment hatch B), the liner geometry was similar to that at this location because a thickened liner section (3/16 in. thick) was welded to the nominal thickness liner material (1/16 in. thick). This discontinuity and the liner anchorage system (the studs) caused very noticeable increase in the liner strain immediately adjacent to the insert plate. The response of the region adjacent to R-2 at seven pressure levels is shown in Figure 58.

Figure 56. Hoop Strain in the Reinforcing Steel Near Penetration R-2.

Figure 57. Meridional Strain in the Reinforcing Steel Near Penetration R-2.

Figure 58. Hoop Strain Near Penetration R-2 at Seven Pressure Levels.

The first measured location, shown in Figure 58 as arc distance from the center of the penetration, is where a rosette was located on the insert plate. The insert plate intersected the nominal thickness liner material at an arc distance of 13.44 in. Adjacent to this was another rosette at a location of about 14 in. Beyond the second rosette was a series of seven gages on a common backing (a strip gage) that intersected the attachment of a stud to the liner. The length of the strip gage was about 1 1/2 in. The final gage response plotted in Figure 58 is another rosette located slightly over 16 in. from the center of penetration R-2.

Figure 58 shows that as the pressure was increased, strains remained small in the thickened insert plate. Strains in the neighboring nominal thickness liner steadily increased with increasing pressure, as well as a strain concentration from this geometry and the presence of the stud. There was a relatively minor reduction in hoop strain at the point of stud attachment. The measured values of strain are connected by a line; caution should be used in interpreting values between those measured. It is entirely possible, if not probable, that a *higher strain concentration* exists at a point between the insert plate and the first measured location on the 1/16-in.-thick liner material.

These measurements and the tears observed at particular locations in the liner after the high-pressure test present a strong argument for why the liner tore. Since this penetration, R-2, was in the cylinder near the intersection with the dome, the free-field strain was smaller than that recorded at the cylinder midheight (and no tear was present). It is easy to conclude that a similar response was present in other similar areas of the liner, but the magnitude of the maximum local strain was higher, since the strain concentration factor applies to higher values of free-field strain (resulting in tearing of the liner).

7.8.3 Local Loads

A load cell was placed in series with the bar that connected penetrations R-1 and R-2 so that the load could be measured during pressurization. The yield load and maximum load for the bar that connected the two penetrations were 3340 lbs. and 4330 lbs. respectively. The load cell measurements proved to be unreliable; however, there was evidence that the bar connecting the two penetrations yielded during testing.

7.8.4 Global Displacements

If the constraint between the two steam-line penetrations was significant, the radial displacements near these penetrations would be less than in the neighboring areas (causing the cylinder to become oval in shape with the minor axis being at this constraint and the major axis being 90° from it). The constraint imposed on this penetration can be seen in Figure 59, as well as the influence of the constraint on the displacements. At the final pressure level, the lowest radial displacement recorded at the elevation of R-2 and R-1 was recorded at a location above equipment hatch B. This suggests that the other features of the containment, such as the major penetrations, had more influence on the radial displacements than did the constraint placed between R-1 and R-2.

7.9 Leakage/Acoustic Response

The acoustic monitoring system described in section 4.7 provided additional insight into the leakage of the containment model.

At pressures above 125 psig, a small amount of leakage was suspected from near equipment hatch B.* In the data generated (see Figure 60), some indications appear of increased acoustic emissions (AE) at 122 psig. The large peaks in this figure were caused by the pressurization of the containment and then decreased to a baseline value. The increase in this baseline AE at pressures above 120 psig gave strong evidence for some small amounts of leakage, attributed to the unseating of the equipment hatch.

At a pressure of 135 psig, a dramatic increase in the ringdown counts was noted from a sensor at equipment hatch A, and is graphically shown in (Figure 61). After the dramatic increase, the rate quickly reduced to a rate that was nearly the same before this event. This may indicate a tear, and then after a short time, the crack growth stopped.

It was somewhat surprising that none of the other sensors detected these AE signals, but the other sensors were possibly shielded by physical features of the model (the penetrations) and the natural attenuation from the large distances to other sensors. Even more surprising is that there was no immediate indication of leakage noise by the AE system. An integrated leak rate test measured a small (8 scfm) leak in the model.

*Internal Report, A. G. Beattie, "Acoustic Monitoring of the One Sixth Scale Model of a Nuclear Reactor Containment Building," Nondestructive Test Report, Sandia National Laboratories, Albuquerque, New Mexico 1987.

Figure 59. Radial Displacements at Elevation 20.125 ft at Six Pressure Levels.

Figure 60. Mean Signal Level for an AE Sensor at Equipment Hatch B.

Figure 61. Ringdown Counts for an AE Sensor at Equipment Hatch A.

Ten minutes after the containment had been pressurized to the next pressure step, 138 psig, the sensor near equipment hatch A registered a large leak. The AE increased as the model was pressurized to 140 psig, and the signal was saturated as the pressure was further increased to 143 psig. Other sensors were able to detect the AE coming from this vicinity also. It was apparent that leakage was rapidly increasing. Although this leakage was large, the pressurization system had sufficient capacity to increase the internal pressure; where additional leakage measurements were taken (see sections 6.2 and 6.3).

Burst noise was also monitored during testing. Although this is not an exact science, it did provide some interesting qualitative results. All sensors showed very low activity up to about 50 psig. This is most likely because the model had been pressurized up to 53 psig during the structural integrity test. At a pressure range of 50 to 70 psig, an increased AE rate was noted at all the sensors. The sensor near equipment hatch A registered a small increase in crack rate at 110 psig and stayed steady until the end of the test. Two other sensors at mid height of the cylinder recorded a significant increase in cracking at about 112 psig; however, this rate abruptly decreased at 135 and 138 psig for these sensors.

7.10 Summary

Data were generated at a total of 37 pressure levels for over 1200 sensors during the testing of a 1:6-scale reinforced concrete containment. The data and observations during testing have helped to focus analytical efforts on the features important to containment performance. The

data also have benchmarked the analytical predictions and increased understanding of the behavior of containments subjected to beyond design-basis loads.

The amount of data generated during this experiment and the many subtleties inherent in the data make it difficult to prove some of the hypotheses. As the interpretation of the data improves and posttest analyses continue, confidence in the accurate prediction of reinforced-concrete containments will also increase.

Some of the conclusions and hypotheses are listed below. Admittedly, some of the following hypotheses are better substantiated than others:

- Insert plates can reduce the strains in the reinforcing steel.
- Insert plates cause a strain concentration in the liner.
- The studs near an insert plate contribute to a large strain variation that appears to have influenced the tears in the liner.
- Cracks in the concrete can cause a strain perturbation in the liner.
- Studs cause a strain gradient in the free-field liner.
- There was a strain gradient in the concrete between concrete cracks.
- The insert plate can cause noticeable bending strains in a penetration sleeve. (The resulting strain, however, remained small for this containment model.)
- The cylinder wall bending moment influences the strain in the reinforcing steel in the basemat.
- Penetrations tended to be stiffer than the free-field cylinder sections, resulting in smaller radial displacements than in the free field.
- Steam-line rigidity does not significantly constrain the cylinder.
- The liner junction between the floor and bottom of the cylinder causes a very local strain concentration.
- In the dome region, the seismic bars influence the response of other reinforcing members.
- Ovalization of equipment hatch A was related to the free-field hoop strain.
- Ovalization of equipment hatch B was prevented by the angular junction in the liner at the inward projection of the boss.
- The bulkhead of PL-A prevented its sleeve from becoming oval.
- Early leakage during the test was probably because of the unseating of the cover of equipment hatch B.
- Most of the liner tears occurred at a pressure level of 138-145 psig.
- Leakage can be detected by AE monitoring.

Some of these conclusions are not at all surprising, while there are a few conclusions and hypotheses that were not anticipated. It is these new findings that necessitate more structural testing for areas that remain in question.

8. DISCUSSION

This document describes a test that may have significant impact on future testing as well as in several areas of the nuclear industry. The author's thoughts on some frequent questions about the test may provide some additional points not brought out or fully obvious from the presentation of the data. Whether the reader embraces or rejects them, they should provide some further understanding of the test.

8.1 Repeatability of the Test and Other Failure Modes

A question from testing only one model is whether the outcome would be the same if the test were repeated. Although there is some reason for doubt, the answer is most likely to be that the same failure mode would be realized if another (identically designed) containment model were to be built.

A digression to the failure predictions may further explain this position. Ten organizations reported their failure predictions in Reference 30, which showed a relatively wide range of failure pressures and four general failure modes. Some of the organizations predicted equally likely failure mechanisms, which led to 14 predictions of failure mode and pressure as shown in Table 5.

Table 5.
Failure Modes and Pressures Predicted by Analysts

<u>Limit Mechanism</u>	<u>Capacity (psig)</u>				<u>Total</u>
	<u>120-140</u>	<u>140-150</u>	<u>150-170</u>	<u>170-190</u>	
Liner Tearing		1		2	3
Failure of Rebar	2			2	4
Cylinder Shear Failure	2		4		6
Basemat Failure			1		1
Total	4	1	5	4	14

No organization flagged the failure location as a high priority. This in some cases may be attributed to the time allowed to conduct the analyses, which was constrained by the testing schedule, and funding limitations for the analyses within the organizations. Only a few of the organizations looked at the penetrations in detail, and those that analyzed penetrations chose the larger ones (equipment hatches and personnel air locks) or the penetration that was constrained, R-2. No organization performed a pretest analysis of piping cluster 25-A.

With these analyses and some engineering judgment, the instrumentation plan evolved. In hindsight, it is clear that not only liner tearing but, more specifically, liner tearing next to insert plate 25-A is very likely, as opposed to a one-time quirk of this test. This large insert plate, 6 ft 3 in. in length, was located between two stiff and large penetrations, equipment hatch A and PL-A. Since these penetrations were stiffer (see Figure 26 and the associated discussion in section 7.2.2) than the neighboring shell, they forced more straining to occur between them. This in turn caused more load to be dumped into the insert plate 25-A.

This plate has another characteristic that makes it a likely failure location: the three piping sleeves that penetrate it also penetrate the concrete wall. These penetrations also act as substantial anchors that resist slippage between the concrete and the liner. Another feature of insert plate 25-A is its straight leading and trailing edge in the hoop direction, making the likelihood of a tear to propagate higher than if it were a semicircular shape. These features combined, create not only a high strain concentration, but one that had the ability to propagate over a relatively large length.* Other tears in the liner may have occurred at a lower pressure, but because of their geometry, they were evidently less likely to propagate.

It must be stressed that other reinforced-concrete containments can have other failure modes, such as cylinder wall shear failure at its intersection with the basemat and general failure of the hoop reinforcing. This single test gives some insight into other failure modes. A study on the possibility of failure and other behavior of the cylinder wall at its intersection with the basemat is ongoing. Preliminary results indicate that a shear failure in this location was more likely than the visual evidence (lack of cracking and movement) would indicate [36]. The strains and forces at this location greatly exceeded code allowables.

Findings like these lead to caution when answering whether another containment model built and tested in a similar manner would fail in an identical fashion. A very good possibility of repeating this failure mode in another identically designed containment model exists; however, it is not known how near the containment model was to reaching another failure mode, which might change the outcome of a similar test.

8.2 Symmetry and Variation in Performance

There were many areas of the model that had a "twin" elsewhere in the model that had a somewhat different response. These differences may be because of construction, lay-out of the containment features, nonuniformity of materials, or other sources. In any case, some nonuniformity in response was evident in the containment model. A few examples of this follow.

- At the failure location near insert plate 25-A, the tear was on the left side (as viewed from inside the model) of the insert plate. While the right side showed some distress, no tears were found. This same pattern was repeated on the insert plate directly below 25-B,** which is identical in size to 25-A; the left side showed severe necking of the steel (no tears, however), while the right edge exhibited much less distress.
- Both personnel air locks had one location of distress to the left of the penetration, while no such evidence was found for the right edge.
- For equipment hatch B, the right edge of the truncated conical section of liner had two stud tears, while the left edge (the instrumented side, unfortunately) had no stud tears and showed less distortion from testing.

* Strain concentrations at other locations, for example, near the truncated conical section of liner adjacent to equipment hatch B, may have been higher, but once the liner tore locally, the mechanism to propagate the tear seems to have been missing. Analyses of this and other areas are needed to gain more insight into these areas.

** As in this case and the following example, there is uniformity from feature to feature but not around the feature itself.

- A final example of nonuniform behavior was observed in the cylinder wall when comparing wall quadrant to wall quadrant. From 180° to 270°, the displacements and crack widths were noticeably larger than in the wall sections from 90° to 180° or 270° to 0°, which are all quite similar. The influence of the constrained penetration may be part of the explanation for these differences, but does not, in the author's mind, fully explain the measurements and observations.

Although there was variation in the performance of the model, none of the variances seem to be attributed to any anomalies associated with the model containment. That is, the same variances would be expected in a full-size containment and there is no evidence that the variances are smaller or larger in the containment model. Whether the variation was caused by construction quality, material properties, or penetration layout, or some other reason, it is not thought that the variance influenced the failure mode, failure pressure, or failure mechanism.

8.3 Limitations of the Model

A concern over the validation of computer analyses using scale model tests versus a full-size prototype is always present, and certain questions concerning this must be addressed before the methodology for predicting full-size containment performance is fully accepted. Table 6 lists some of the differences between the model and a full-size containment. Each of these attributes is discussed further in the following paragraphs.

Table 6.

Potential Differences Between the Model and a Prototype Containment

- Workmanship
- Construction tolerances
- Reinforcement
 - Number of splices
 - Number of bars
 - Ductility
 - Bond
- Liner
 - Number/length of welds
 - Scaling of welds
 - Ductility at failure
- Anchorage
 - Stud Dimensions
 - Welding
- Concrete
 - Crack distribution/width
- Scaling of leak rate

8.3.1 Workmanship

A few words on the effects of workmanship on containment failure should also be stated. Although there are differences in response recorded and also visually noted about the model, it does not seem that the workmanship played a significant role in failure of the containment.

The welds in the liner near where it tore were obviously of much interest after the test. Upon inspection by Sandia's metallurgists, it was conclusively determined that the liner failures were not related to the welding process, in fact all the tears were well away from the heat affected zone. All welds in the liner remained intact, with no signs or indications of deterioration. All tears occurred in association with the stud anchors, but pretest experiments on the stud-liner behavior [1, 27, 28] show that there was not a perceivable degradation in liner performance due to the attachment of the studs.

Workmanship on this model was of high quality and there was no attempt at building flaws into this containment model that might duplicate poor quality in a full-size containment.* The consequences of a full-size containment constructed to either higher or lower standards are subjective and would need to be determined on a case-by-case basis—no statements generalizing the effects of workmanship can be definitively made.

8.3.2 Construction Tolerances

In many cases, the tolerances assigned during normal full-size containment construction were scaled, but not in every case. In most instances the tolerances have little effect on the overall performance of the containment model; however, in some cases these tolerances can significantly effect the variance of actual model performance and anticipated performance. Take the simple example of the placement of the reinforcing bars in the containment wall. In the majority of the wall, which is responding as a membrane, the exact placement of the bars through the thickness of the wall makes little difference in the calculated strength of the shell wall. In contrast, placement of the reinforcing steel through the wall thickness can have a notable effect on moment resistance in areas of high bending, such as at the basemat-cylinder wall junction. Again, no generalized statements can be made about the effect of construction tolerances on the outcome of this test; however, in many cases construction variances can be assumed and its influence can be quantified and reasonably bounded by use of simple calculations.

8.3.3 Reinforcement Steel

The reinforcing steel presents several differences between the containment model and a full-size containment. Fewer bars were used for the construction of the containment model, since the steel area was scaled rather than scaling each bar's steel area. This resulted in a reduction to the number of reinforced bars and in a reduction of the bar splices needed. The consequences of this may be determined statistically, but no dramatic changes in performance in either case is apparent. Both have a statistically large population of splices as well as a significant number of redundant load carrying elements.

*There were both concrete repairs and liner repairs during the construction of the model. These are fully discussed in Reference 1.

The ductility and the ultimate strength of the reinforcing steel increases with a decrease in bar diameter. For example, reinforcing bar made from A615 billet steel has a code specified minimum elongation of 9% and 7% in an 8 in. gage length for a #4 and #18 bar, respectively, with a minimum 60 ksi yield and 90 ksi tensile strength for all bar sizes [37]. Using actual material properties generally shows an even more dramatic difference. Certainly, if the failure of the model were related to reinforcing failure, this would be an important consideration; however, since the limits of the reinforcing bars were not encountered, they have no impact on the results of this experiment. Caution however, should be exercised when applying the results from this test to full-size containments. Since the larger reinforcing bars may have less ductility and plastic strains in the bars may be large due to bending of the bars during construction, a reinforcing bar failure on a full-size containment may occur at lower strain levels than were expected from results based on this containment model test.*

The bond between the reinforcing bar and the concrete also changes with bar size. A major factor influencing bond is that the cross-sectional area changes as the diameter squared, while the surface area changes as the diameter. As would be expected, the bond length required to develop the full strength of the bar increases in relation to the area of the bar rather than the diameter. Again, in a full-size containment a bond failure is more likely than this experimental data may suggest, but does not appear to be a problem based on experiments that used specimens constructed using full size bars and were loaded to high strain levels [38]. It should also be noted that the majority of the primary reinforcing bars are made continuous through the use of mechanical connectors (Cadmets) or are terminated in areas of lower stress (such as the meridional bars strength being developed within the basemat and dome.)

One additional point should be made concerning the bond of the concrete to the reinforcing steel. The bond can affect the crack spacing and thus it will directly affect the crack width size. If the cracks in the concrete are presumed to influence the tears in the liner, then the effects of bond on the crack spacing and size should be investigated more thoroughly when failure modes are a part of the study.**

8.3.4 Liner

There are several differences between the liner of the containment model and a full-size liner. Each sheet of liner material in the model covered a proportionally larger area of the containment shell, which has the consequence of reducing the number and length of welds in the liner. Also, the type of welding on the liner was different than that used in a full-size liner (single-pass, short-circuiting arc welding as opposed to multi-pass arc welding.) The result of this is that the number and the chance of having severe flaws will likely be different.

The SA-414 Grade D has properties that are similar to those of typical prototype liner material, SA-516 Grade 60, but there are notable differences. The SA-516 material and its thickness used for insert plates in the containment model are the same as typically used for liner

*Tests conducted at Construction Technology Laboratories, Inc. for the Electrical Power Research Institute used large-diameter reinforcing steel (# 18) in specimens that were tested to simulate structural containment elements subjected to overpressurization [38]. Failure of some of the reinforcing bars in the specimens occurred at loads lower than expected and was thought by the researchers to be due to the plastic deformation experienced by the reinforcing bars during specimen fabrication.

** Current analyses at Sandia [36] indicate that the tearing of the liner is attributable to the anchorage system and that the concrete cracking has only a secondary (or tertiary) effect.

material in a full-size containment liner, which allows a comparison of full scale liner material to that used in the containment model. The most significant difference between the two materials is the strain at failure. The strain at failure for the 0.2 in. thick SA-516 Grade 60 material used in the containment model is 45%, while the 1/16 in. thick SA-414 Grade D had a strain at failure of 26%, both strains were measured in the rolling direction [28].

Since the model liner failure resulted in termination of the test, one may question what difference the performance of SA-516 Grade 60 would have had on the outcome of the test. Analyses [33] indicated that the strain in the liner increased very rapidly with increase in the internal pressure. Although the SA-516 steel may have strained further before it tore, the change in pressure to get this change in strain would likely be very small. Thus, it is speculated that virtually no change in the outcome of the test would have occurred.

8.3.5 Anchorage

The studs used in the fabrication of the containment model are necessarily of a distorted scale. In addition to being shorter than the scaled length of a full-size stud, the diameter is larger than the *typical* diameter of a stud used for full-size containment construction (although it does scale to a larger diameter stud that is allowed by code). The dimensions of the stud diameter were intentionally distorted in an attempt to make a balance between the shear area (cross section area) and the bending resistance (moment of inertia), since it was not known whether bending or shear would be the dominate parameter in the performance of the studs. Whether the scaling of the studs struck this balance is still not known; however, separate effects tests that are designed to investigate the stud/liner performance will determine if this goal was achieved.

The process for welding the studs to the liner is also different for the model as compared to a full-size containment. The studs used for the containment model were welded to the liner using capacitive discharge techniques, which resulted in fusion of the entire stud base to the liner. A full-size stud is attached to the liner by fillet welding around the base of the stud, which does not fuse the stud base to the liner. It is speculated that failure modes associated with the liner and the anchorage system—whether bending, pull-out, or shear—may be different between the model and full-size containment. The separate effects tests planned at Sandia will address this issue.

8.3.6 Concrete

Judging by the number of published articles and the vast differences in findings, it is difficult to scale concrete and have all of the salient material properties unaffected; the quantification of the changes of the material properties are the subjects of these many articles. There is no doubt that the properties of concrete do change with changes in the size of the aggregate. Two material properties that are of concern on this test and are generally agreed to change with scale are its tensile and shear strength. In a study that used the data from the containment model test, some of the scaling issues of material properties are presented.* It was summarized in this work that the shear resistance of the concrete may be as much as 10%

*H. P. Walther, Evaluation of Behavior and the Radial Shear Strength of a Reinforced Concrete Containment Structure, NUREG/CR-5674, SAND91-7058, Sandia National Laboratories, Albuquerque, New Mexico (to be published).

lower in a full-size containment structure, but consideration should also be given to the greater dead load of the full-size structure that would tend to enhance the aggregate interlock and thus the shear capacity of a section.

The quantification of the effects of scaled concrete in a scaled structure is difficult to parametrize and the associated debates are not reiterated here. The intent of raising the issue here is to make the reader aware of the gamut of potential differences between the response of a scale model versus a full-size containment. But, as can be seen from this brief introduction to the concerns of concrete scaling, there are (many) competing factors.

8.3.7 Leak Rate

The leak rates measured during the testing of the containment model are difficult to scale/extrapolate to full size leakage behavior. The parameters that may affect leakage are difficult to parametrize in the context of extrapolating "scaled" leak rate phenomenon to "full-size" leak rates. Some of the differences between the containment model and a full-size containment that have already been mentioned will also have an affect on containment leakage. The bond between the concrete and the reinforcing steel and the number of reinforcing bars can change the frequency of concrete cracks, their spacing, and thus the crack width. The surface roughness of the crack is influenced by the tensile strength and aggregate size of the concrete. The surface roughness of the crack path will affect the aerodynamic drag and thus the leak rate due to crack paths roughness and tortuosity. These basic changes, when taken into account with large dimensional changes in the model versus full-size containment (such as the length of the tear and the through wall thickness) have a dramatic affect on leakage rates. The scaling of these parameters and their cumulative quantitative affect on leak rate are not well understood.

8.4 Trends In The Data

With the many channels of strain data to sort through, a group of strain histograms were plotted to aid in understanding the trends in the data gathered during model testing. The tabulated results from the generation of the histograms are presented in Table 7. About 800* strain readings were categorized into the strain levels (in percent strain) listed below. Obviously bad data were not included in the table or the subsequent histograms.

Rosette 61 (Channels 1521-1523), which was located near equipment hatch A and near where the liner eventually tore, had the smallest strain (Channel 1522) for the last 9 pressure steps and the high strain (Channel 1521) for the last four steps. The largest strains for 33 of 37 steps were recorded by two strain gages: from steps 4 to 10 and steps 15 to 33 by channel 784, and steps 12 to 14 and steps 34 to step 38 by channel 1521.

The number of strain gages with readings in the 1 to 3% strain range increased significantly in the final few pressure steps. At pressure step 30 there were 23 strain readings in this range, by step 36 there were 75 gages with readings in this range.

The trends for the smaller strains on the containment model are more difficult to generalize. As pressure was increased, there was a general increase in the number of gages reading negative strains in the -0.3 to -5.0% strain ranges while the strain range of 0.0 to -0.1%

*Note that the strain reading from the three-arm rosettes were converted to principal strains and an angle. Therefore for the 480 channels used for the strain rosettes, only 320 strains are reported.

showed a steady decrease in the number of gages recording these values. Of the more negative ranges, -0.1 to -5.0%, a general increase in the number of gages was observed until a plateau of gages (15-17) was reached at 90 psig. Very few additional gages were added to these ranges until pressure step 21. The most significant increases in negative strains occurred in the -0.3 to -0.5% strain range where at step 21, 12 gages recorded strains in this range, while at step 36, 25 gages were recording strains in this range.

A histogram of the data taken at step 37 is shown in Figure 62. The same strain ranges used in Table 7 are used in plotting Figure 62; although not noted on the abscissa a -0.1 and 0.1 strain levels exist. The height of the bars reflects the number of gages in the range that is represented by the bar width. Since this histogram reflects the strains in the model after depressurization the number of gages in the range of -0.1 to 0.0 and 0.0 to 0.1 have increased significantly from the preceding step.

A group of histograms is presented in Figure 63 that use the same ranges as shown in Table 7 and Figure 62 and includes steps 26 to 36 with step 26 being in the foreground. Although it is difficult to determine the exact number of strain readings in a range, this grouped histogram clearly shows the trends of the strains. The number of strain readings is dramatically decreasing in the 0.1 to 0.3% range while the ranges that span from 0.3 to 3% strain are showing significant increases in the number of gages recording values of this magnitude.

**Table 7.
Strain Levels From The High Pressure Test**

Step	Pressure (psig)	Strain Ranges (%)															Highest/ Channel #	Lowest/ Channel #	Average
		-5.0 to -3.0	-3.0 to -1.0	-1.0 to -0.7	-0.7 to -0.5	-0.5 to -0.3	-0.3 to -0.1	-0.1 to 0.0	0.0 to 0.1	0.1 to 0.3	0.3 to 0.5	0.5 to 0.7	0.7 to 1.0	1.0 to 3.0	3.0 to 5.0	5.0 to 11.0			
37	0.22	0	1	0	4	1	14	180	310	101	58	36	41	39	9	2	7.038/1521	-1.880/1522	0.2463
36	142.52	0	1	0	4	3	25	93	191	223	83	41	45	75	10	2	8.219/1521	-2.061/1522	0.3644
35	145.78	0	1	0	4	2	25	97	186	233	80	42	41	73	10	2	7.708/1521	-1.927/1522	0.3555
34	142.63	0	1	0	4	1	25	101	192	250	72	44	44	51	9	2	6.295/1521	-1.587/1522	0.3149
33	140.16	0	1	0	4	1	25	105	197	269	80	31	34	42	5	2	6.213/784	-1.320/1522	0.2714
32	138.35	0	1	0	4	1	24	110	200	283	80	30	26	31	4	1	6.006/784	-1.165/1522	0.2417
31	134.42	0	0	2	3	1	17	115	211	320	55	25	20	25	1	1	5.907/784	-0.985/1522	0.2077
30	135.37	0	0	2	3	1	17	116	209	326	53	26	18	23	1	1	5.750/784	-0.957/1522	0.2026
29	132.55	0	0	2	1	3	16	115	222	342	39	23	11	20	1	1	5.041/784	-0.816/1522	0.1783
28	130.19	0	0	2	1	3	16	111	239	343	45	9	8	17	1	1	5.067/784	-0.819/1083	0.1624
27	127.84	0	0	1	3	3	15	115	245	343	40	5	10	15	1	0	4.950/784	-0.852/1083	0.1503
26	125.60	0	1	1	2	3	14	115	256	336	37	7	9	14	1	0	4.950/784	-2.111/2367	0.1433
25	125.82	1	0	1	2	2	15	116	258	336	35	6	10	13	1	0	3.907/784	-4.508/2367	0.1368
24	122.97	0	1	1	2	3	14	115	269	334	30	8	5	13	1	0	3.586/784	-1.062/2367	0.1325
23	123.28	0	1	1	2	3	14	115	269	334	30	9	4	13	1	0	3.192/784	-2.924/2367	0.1283
22	120.92	0	1	1	1	4	13	119	276	335	24	8	2	13	1	0	3.027/784	-1.995/2367	0.1237
21	117.83	0	1	1	1	4	12	119	290	327	24	3	2	14	0	0	2.808/784	-1.850/2367	0.1164
20	113.24	1	0	1	1	4	10	122	312	310	20	3	1	13	0	0	2.479/784	-3.217/2367	0.1050
19	111.08	0	1	1	1	4	10	126	319	304	15	3	1	13	0	0	2.028/784	-2.043/2367	0.1021
18	108.31	0	1	1	1	4	9	128	340	287	10	3	1	13	0	0	1.967/784	-2.668/2367	0.0965
17	106.11	1	0	1	1	4	9	126	359	271	10	2	1	13	0	0	1.897/784	-3.077/2367	0.0927
16	103.25	0	1	1	1	3	10	129	367	263	7	2	3	11	0	0	1.805/784	-2.325/2367	0.0894
15	100.92	0	1	1	1	3	10	128	391	240	9	1	2	11	0	0	1.732/784	-2.361/2367	0.0857
14	95.69	1	0	2	0	3	9	130	415	219	6	0	4	9	0	0	1.639/1521	-3.022/2367	0.0766
13	90.58	1	0	2	0	1	12	130	448	186	5	2	6	5	0	0	1.629/1521	-3.219/2367	0.0688
12	85.61	0	1	2	0	1	11	130	486	151	4	2	6	4	0	0	1.493/1521	-2.741/2367	0.0623
11	80.16	0	1	2	0	1	8	130	517	124	5	3	7	0	0	0	0.914/329	-2.757/2367	0.0544
10	74.16	0	0	2	0	1	6	130	552	94	6	5	2	0	0	0	0.874/784	-0.806/1083	0.0508
9	69.32	0	0	2	0	1	5	132	588	57	8	4	1	0	0	0	0.776/784	-0.833/1083	0.0449
8	64.20	0	0	2	0	1	3	133	612	40	6	1	0	0	0	0	0.642/784	-0.837/1083	0.0396
7	59.57	0	0	1	0	1	3	137	623	29	3	1	0	0	0	0	0.578/784	-0.737/2062	0.0357
6	54.50	0	0	1	0	1	3	138	632	19	4	0	0	0	0	0	0.465/784	-0.746/2062	0.0313
5	49.16	0	0	1	0	1	3	146	628	18	1	0	0	0	0	0	0.438/784	-0.747/2062	0.0277
4	39.42	0	1	1	0	1	2	153	625	15	0	0	0	0	0	0	0.288/784	-1.161/1123	0.0204
3	29.57	0	0	1	0	1	2	163	620	11	0	0	0	0	0	0	0.202/325	-0.736/2062	0.0154
2	19.55	0	0	1	0	1	2	173	614	7	0	0	0	0	0	0	0.162/323	-0.769/2062	0.0094
1	9.89	0	0	1	0	1	3	207	583	3	0	0	0	0	0	0	0.152/1865	-0.778/2062	0.0031

Figure 62. Histogram of Strain Ranges for Data Step 37.

Figure 63. Group Histogram of Strain Ranges for Data Steps 26 to 36.

8.5 Test Determined Strain Concentration Factors

As was mentioned in section 7, there was significant variation of the strains measured about the containment model especially in the liner. To explore this further, a brief comparison of the strains about the midheight or elevation 20.125 ft of the model are compared to the free-field liner strains in Table 8. In interpreting the experimentally derived strain concentration factors the reader is cautioned to the limitations of the strain gage technique as introduced in section 7.8.2 since there are physical limitations of the gages ability to measure peak strains. Six strain gages were used to determine an average free-field strain at cylinder mid-height (channels 1104, 1107, 1109, 1606, 1685, and 1729), and six gages were used to determine the average free-field response at elevation 20.125 ft (channels 1742, 1748, 1780, 1821, 1827, and 1849).

Table 8.

Experimentally Measured Strain Concentration Factors
for the Containment Liner.

<u>Location</u>	<u>Channel Number</u>	<u>Strain at 142.52 psig</u>	<u>(Avg FF 1.69%) Concentration Factor</u>
Equipment hatch A	1521	8.219	4.87
	1162	2.236	1.32
Equipment hatch B	1149	1.842	1.09
Personnel Air Lock A	1565	2.833	1.68
	1146	1.495	0.89
Personnel Air Lock B	1707	4.725	2.80
	1704	1.649	0.98
Piping Cluster	1423	4.875	2.89
Instrumentation Feed Through	784	5.799	3.43

<u>Location</u>	<u>Channel Number</u>	<u>Strain at 142.52 psig</u>	<u>(Avg FF 0.63%) Concentration Factor</u>
Penetration R-2	329	4.246	6.74
	1805	4.153	6.59
	328	3.894	6.18
	327	3.776	5.99
	325	3.746	5.94
	324	3.746	5.94
	323	3.485	5.53
	326	3.404	5.40
	322	2.961	4.70
	1865	2.392	3.79
Penetration R-1	1805	4.153	6.59

<u>Location</u>	<u>Channel Number</u>	<u>Strain at 127.84 psig</u>	<u>(Avg FF 0.41%) Concentration Factor</u>
Equipment hatch A	1521	2.853	7.01
	1162	0.893	2.19
Equipment hatch B	1149	0.701	1.72
Personnel Air Lock A	1565	1.607	3.95
	1146		
Personnel Air Lock B	1707	1.968	4.83
	1704		
Piping Cluster	1423	1.343	3.30
Instrumentation Feed Through	784	4.950	12.16

<u>Location</u>	<u>Channel Number</u>	<u>Strain at 127.84 psig</u>	<u>(Avg FF 0.23%) Concentration Factor</u>
Penetration R-2	329	2.219	9.81
	328	2.024	8.95
	327	2.004	8.86
	323	1.929	8.53
	325	1.906	8.43
	324	1.905	8.43
	326	1.654	7.31
	322	1.607	3.95
	1865	1.496	6.62
Penetration R-1	1805	1.664	7.36

Some judgement should be exercised in using these experimentally measured strain concentrations due to the limits of the strain gage sensors in measuring peak strains and their direct dependence on the averaging of six gages to obtain the "free-field" response. To develop Table 8, the top forty strains were extracted from the strain data at each pressure step, which were then divided by the average strain at the appropriate elevation. At the first pressure step the top forty strains were much larger than the free field strains; resulting in large strain concentration factors: near penetration R-2, 5 gages had strain concentration factors in the 6 to 11 range. At the next pressure step the largest strain concentration factor was 5.8. The peak strain concentration factors continued to increase until many gages reached a peak at a pressure of 128 psig at pressure step 26, after which the gages that recorded the highest strains also recorded a decreasing strain concentration factor.

The average free-field strains used to calculate the strain concentration factors were nearly identical (1:1) up to step 14, 95 psig; at subsequent pressure steps the mid-height free-field strain increased at a faster rate than the free-field strains at 20.125 ft due to yielding of the cylinder. At pressure step 36, 142 psig, the ratio of the average free-field strains at elevation 20.125 ft to mid-height were 1:2.7.

Note that strain gage 784 recorded high strains for several of the pressure steps (see Table 7) and likewise showed a large strain concentration factor. Strain gage 784 was located on a seismic reinforcing bar near where the major liner tear occurred that caused the termination of the containment model test. The peak strain concentration factor recorded anywhere in the model was measured at pressure step 26, 125 psig, by channel 784, which was a factor of 12.98.

9. ANALYSES

Performing an adequate analysis of a containment model subjected to overpressurization was the motivation behind this testing program. This experiment is seen as a challenge to the analyst and the analyst's tools. It has always been viewed as impractical in terms of cost and time to test every containment design to every accident scenario. The intent of the program has been to generate data that can be used to qualify analytical tools. These analytical tools can then be used to extrapolate reasonably to full-size containment buildings subject to hypothesized severe accidents. To this end, Sandia as well as several other organizations in the U.S. and Europe conducted pretest analysis of the containment building. The groups that participated or contributed to this round-robin exercise published in the report on this activity [30] are

- Sandia National Laboratories (USA)
- Argonne National Laboratory (USA)
- Electric Power Research Institute (USA)
- Commissariat a L'Energie Atomique (France)
- HM Nuclear Installations Inspectorate (UK)
- Comitato Nazionale per la ricerca e per lo sviluppo dell'Energia Nucleare e delle Energie Alternative, ENEA (Italy)
- U.K. Atomic Energy Authority, Safety and Reliability Directorate (UK)
- Gesellschaft fuer Reaktorsicherheit, GRS (FRG)
- Brookhaven National Laboratory (USA)
- Central Electricity Generating Board (UK)*

Each group performing an analysis was given detailed construction drawings and specifications and actual material properties of the construction materials as they became available. Each organization worked independently using an analytical method of their choosing. The results of these pretest analyses are presented in Reference 30. Posttest evaluations and comparisons between experimental and analytical results can be found in Reference 36. Further analyses that were performed by Sandia can be found in References 30-33.

The presentation of the analyses and the subsequent comparisons to the experimentally derived data serve to further the understanding of the response of the containment model subjected to overpressurization.

* In addition to these ten, Taiwan Electric Power Company and Japan Atomic Energy Research Institute have reached agreements with the NRC that call for information exchange on the containment integrity programs. However they did not submit results to Sandia prior to test and were, therefore, not included in the round-robin report.

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APPENDIX A
CRACK MAPPING RESULTS
FROM THE
STRUCTURAL INTEGRITY TEST

by

Doug Brosseau

STRUCTURAL INTEGRITY TEST (SIT)

Crack Mapping Activities

A-1 General

All procedures and personnel assignments for SIT testing were outlined before testing in the Test Plan (Rev. 2) and Safe Operating Procedure - SOP (Rev. 1) established for all containment model testing activities. Additional detailed instructions and schedules were issued before testing to ensure that enough personnel were available and last-minute details were clear to all involved. A detailed test prerequisite checklist was reviewed to ensure that all pretest activities were satisfactorily completed. Data sheets to document cracks on the model were developed to match crack mapping grid patterns marked on selected areas of the containment model. These sheets included provisions to record the mapper, date, time, containment pressure, and area mapped.

A-2 Pretest Activities

On Monday, July 6, 1987, a short crack mapping orientation and training session was held at the test site. Ted Brown, of Wiss, Janney, Elstner, Associates, briefly explained the objectives and methods involved as are typically used in industry in accordance with ASME Section III, Division 2, CC 6000, specifications. Use of the optical comparators was explained and demonstrated. Logistical details to minimize the time to map cracks at the model while under pressure were discussed. Finally, the initial set of baseline cracks at 0 psig was mapped by the personnel who would act as mappers during the actual SIT. The following figures are copies of the actual field crack map data sheets. Any cracks 10 mils or greater in width are indicated on the maps.

An attempt was made to use the same mappers in each gridded area for consistency and familiarity with the progressive development of crack patterns. However, because of the week-long, multiple-shift schedule and the use of personnel who also filled other testing roles, it was not always possible to have the same people map a given area through the entire pressure range of the SIT. Doug Brosseau reviewed the mapping books at each pressure level to ensure that all information was consistently acquired and to compensate for any lack of consistency from shifting personnel assignments.

A-3 Crack Mapping Chronology

The following is a brief description of the sequence of SIT activities with an emphasis on the crack mapping phases. Throughout the SIT, each set of maps was copied so that the next set at the higher pressure level would include those cracks noted at the previous pressure level. As crack widths changed, appropriate notes were made. Where cracks changed at 0 psig, this was noted.

Tuesday, 7/7/87

- 8:30 a.m. Model at 5 psig
- 9:20 a.m. Model at 13 psig; strain gage problems noted
- 11:15 a.m. Crack mapping initiated. All cracks were mapped.
- 12:15 p.m. Mapping at 13 psig completed
- 3:55 p.m. Testing was terminated; eventually, a bad cable connector on the data extender was located and repaired.

Wednesday, 7/8/87

- 11:00 a.m. New 0 psig data scan was taken
- 12:00 p.m. Data scan at 5 psig
- 12:30 p.m. Mapping at 13 psig; map cracking was not repeated
- 3:35 p.m. Crack mapping at 22 psig was authorized.
- 4:10 p.m. Crack mapping complete
- 6:25 p.m. Mapping at 34 psig initiated.
- 7:00 p.m. Mapping complete
- 8:54 p.m. Mapping at 46 psig (design pressure) was initiated. Mapping at all pressures occurred only after the model had been allowed to stabilize at pressure for an hour.
- 9:45 p.m. Mapping complete
- 11:28 p.m. At 53 psig (1.15 times design pressure), crack mapping commenced

Thursday, 7/9/87

- 12:20 a.m. 53 psig crack mapping complete.
- 11:00 a.m. After an overnight hold at 46 psig, another set of crack maps was taken at a slightly reduced pressure of approximately 45 psig.
- 8:50 p.m. Pressure reduced to 0 psig

Friday, 7/10/87

- 1:30 p.m. A final set of maps of model crack status following the SIT was documented. This last set of maps represents the as-left condition of the gridded areas of the model following completion of the SIT test.

Figure A-1. Boss A, 0°; 0 psig; Date-6 July 1987; Time-1635; Mapper-Eyers.

Figure A-2. Boss A, 0°; 13 psig; Date-7 July 1987; Time-1135; Mapper-Eyers.

Figure A-3. Boss A, 0°; 22 psig; Date-8 July 1987; Time-1550; Mapper-Eyers.

Figure A-4. Boss A, 0°; 34 psig; Date-8 July 1987; Time-0630; Mapper-Eyers.

Figure A-5. Boss A, 0°; 46 psig; Date-8 July 1987; Time-1110; Mapper-Eyers.

Figure A-6. Boss A, 0°; 53 psig; Date-8 July 1987; Time-1145; Mapper-Eyers.

Figure A-7. Boss A, 0°; 46 psig; Date-9 July 1987; Time-1110; Mapper-Eyers/Jinzo.

Figure A-8. Boss A, 0°; 0 psig; Date-10 July 1987; Time-1300; Mapper-Eyers.

Figure A-9. Boss B, 180°; 0 psig; Date-6 July 1987; Time-1600; Mapper-Weatherby and Clauss.

Figure A-10. Boss B, 180°; 13 psig; Date-7 July 1987; Time-1120; Mapper-Weatherby.

Figure A-11. Boss B, 180°; 22 psig; Date-8 July 1987; Time-1545; Mapper-Clauss.

Figure A-12. Boss B, 180°; 34 psig; Date-8 July 1987; Time-1830; Mapper-Lambert.

Figure A-13. Boss B, 180°; 46 psig; Date-8 July 1987; Time-2012; Mapper-Lambert.

Figure A-14. Boss B, 180°; 53 psig; Date-8 July 1987; Time-2349; Mapper-Lambert.

Figure A-15. Boss B, 180°; 46 psig; Date-9 July 1987; Time-1111; Mapper-Lambert.

Figure A-16. Boss B, 180°; 0 psig; Date-10 July 1987; Time-1252; Mapper-Jinzo.

Figure A-17. 90° Airlock; 0 psig; Date-7 July 1987; Time-0700; Mapper-Brosseau/Westmoreland.

Figure A-18. 90° Airlock; 13 psig; Date-7 July 1987; Time-1145; Mapper-Brosseau/Jinzo.

Figure A-19. 90° Airlock; 22 psig; Date-8 July 1987; Time-1545; Mapper-Westmoreland/Brosseau.

Figure A-20. 90° Airlock; 34 psig; Date-8 July 1987; Time-1830; Mapper-Brosseau/Jinzo.

Figure A-21. 90° Airlock; 46 psig; Date-8 July 1987; Time-2105; Mapper-Brosseau/Westmoreland.

Figure A-22. 90° Airlock; 53 psig; Date-8 July 1987; Time-2340; Mapper-Brosseau/Jinzo.

Figure A-23. 90° Airlock; 46 psig; Date-9 July 1987; Time-1110; Mapper-Westmoreland/Brown.

Figure A-24. 90° Airlock; 0 psig; Date-10 July 1987; Time-1400; Mapper-Brosseau/Jinzo.

Figure A-25. Cylinder Basemat, 90°; 0 psig; Date-6 July 1987; Time-1615; Mapper-Parks.

Figure A-26. Cylinder Basemat, 90°; 13 psig; Date-7 July 1987; Time-1127; Mapper-Parks.

Figure A-27. Cylinder Basemat, 90°; 22 psig; Date-8 July 1987; Time-1545; Mapper-Parks/Von Riesemann.

Figure A-28. Cylinder Basemat, 90°; 34 psig; Date-8 July 1987; Time-1628; Mapper-Parks/Von Riesemann.

Figure A-29. Cylinder Basemat, 90°; 46 psig; Date-8 July 1987; Time-2100; Mapper-Parks/Von Riesemann.

Figure A-30. Cylinder Basemat, 90°; 53 psig; Date-8 July 1987; Time-2335; Mapper-Parks/Von Riesemann.

Figure A-31. Cylinder Basemat, 90°; 46 psig; Date-9 July 1987; Time-1110; Mapper-Parks.

Figure A-32. Cylinder Basemat, 90°; 0 psig; Date-10 July 1987; Time-2450; Mapper-Parks.

Figure A-33. 135° @ 13'; 0 psig; Date-7 July 1987; Time-1124; Mapper-Von Riesemann.

Figure A-34. 135° @ 13'; 13 psig; Date-7-July 1987; Time-1124; Mapper-Von Riesemann.

Figure A-35. 135° @ 13'; 22 psig; Date-8 July 1987; Time-1545; Mapper-Von Riesemann/Parks.

Figure A-36. 135° @ 13'; 34 psig; Date-8 July 1987; Time-1947; Mapper-Von Riesemann/Parks.

Figure A-37. 135° @ 13'; 46 psig; Date-8 July 1987; Time-2115; Mapper-Von Riesemann/Parks.

Figure A-38. 135° @ 13'; 53 psig; Date-8 July 1987; Time-2345; Mapper-Von Riesemann.

Figure A-39. 135° @ 13'; 46 psig; Date-9 July 1987; Time-1129; Mapper-Horschel.

Figure A-40. 135° @ 13'; 0 psig; Date-10 July 1987; Time-1300; Mapper-Brosseau.

Figure A-41. Springline 135°; 0 psig; Date-6 July 1987; Time-1700; Mapper-Brosseau/Westmoreland.

Figure A-42. Springline 135°; 13 psig; Date-7 July 1987; Time-1130; Mapper-Brosseau/Jinzo.

Figure A-43. Springline 135°; 22 psig; Date-8 July 1987; Time-1600; Mapper-Westmoreland/Brosseau.

Figure A-44. Springline 135°; 34 psig; Date-8 July 1987; Time-1845; Mapper-Brosseau/Jinzo.

Figure A-45. Springline 135°; 46 psig; Date-8 July 1987; Time-2120; Mapper-Westmoreland/Brosseau.

Figure A-46. Springline 135°; 53 psig; Date-8 July 1987; Time-2350; Mapper-Brosseau/Jinzo.

Figure A-47. Springline 135°; 46 psig; Date-9 July 1987; Time-1100; Mapper-Westmoreland/Brosseau.

Figure A-48. Springline 135°; 0 psig; Date-10 July 1987; Time-1330; Mapper-Brosseau/Jinzo.

APPENDIX B
RESULTS FROM THE TRACK TRANSDUCERS

by
M. G. Jinzo

B-1. Track System

The track transducers measured deflection of the containment shell. The track system was designed and erected by Sandia personnel specifically for the containment test. The track transducers were, as their name suggests, mounted on tracks and powered by a gear motor as shown in Figure 12 in the body of this report. The motor pulled the transducer along a track, while an arm followed the contour of the model. Each track system had two transducers mounted on it one measured the location along the track, while the second measured the movement of the track arm perpendicular to the track.

B-2. Track Transducers

Nine track systems were used on the model during testing. Potentiometric displacement transducers were selected and sized to be most useful after the model had significantly deformed. The track systems could measure displacements up to 21.0 in. One track was in a horizontal position and measured the "dishing" of the basemat. The remaining eight systems measured the radial displacement of the cylinder wall. Table B-1 indicates the location and the approximate length for each track system. The computer that gathered the data was the same as for the other sensors on the model: an HP 1000 linked to an HP 3497 scanner and HP 3498 extenders that was operating custom-written software. The nine track transducers, however, were separately controlled by the software.

TABLE B-1.

Location and Length of the Track Systems

<u>Track Systems</u>	<u>Azimuth (Degrees)</u>	<u>Length Travel</u>
1*	2.43	5' 7.3"
2*	98.00	21' 10.1"
3*	182.77	5' 7.6"
4*	278.00	21' 10.4"
5**	358.82	6' 4.1"
6**	102.48	20' 4.3"
7**	179.00	6' 3.7"
8**	285.00	20' 1.4"
9* (Basemat)	84.78	7' 1.1"

* Internal System

** External System

Since the track transducers were selected and sized to gather large deflection data (approximately 1 in. or more) and were designed to have a resolution of approximately $\pm 1/8$ in., track data were gathered at more frequent pressure steps as the radial displacement of the model exceeded 1 in. at its midheight. (Table B-2 shows all pressure levels where data were taken.)

B-3. Data Gathering and Preparation

The eight track systems used in the cylinder were designed so that data were gathered on both the up stroke and down stroke of the system. While the ninth track was designed to take data along the basemat from the outer edge of the fill slab towards the center column and back. The data taken in either direction of travel were more or less consistent with one another, but this report uses only the "up stroke" data, which were selected because it was felt that on the up stroke the gear motor had a steadier speed and applied a more consistent force on the track arm. (The down stroke of the vertically mounted track transducers relied on gravity to return the track mounted sensor to its bottom position. It was felt that any frictional forces could cause more racking of the transducers.)

The nine track systems were not scanned concurrently. The four inside tracks were started at the same time. When the scan on the shorter tracks finished, the two remaining longer tracks continued to scan, but because there were only four transducers left (2 transducers per track), the data were gathered at a faster rate. This process was repeated for the outside tracks, and finally, the basemat track was scanned separately.

Deflection data for the shorter tracks were taken at about 2.3-inch intervals along the cylinder. On the longer tracks; data were taken at 2.3-in. intervals for the lower one-third and at 0.55-in. intervals for the remaining length of track.

To measure displacement with the tracks, a reading was taken at the start of the test (zero psig). This reading was subtracted from the subsequent track scans to obtain the deflection. Since the elevation at which the data were taken varied, as well as the number of data pairs (elevation, displacement) gathered at each track for each pressure level (Table B-2), straight line interpolation and extrapolation were used to subtract the "zero" readings from subsequent track scans.

B-4. Data

Plots of the data taken from the inside and outside track systems are shown in Figures B-2 through B-10. The plots show that after a pressure level of 125 psi was reached, an increase in pressure of approximately 10 psi, the model bowed considerably, with moderate but constant changes measured at pressures below 113 psi. It should also be noted that after a closer examination of the data and the containment model, it was determined that the major glitches in the data originated from the weld seam and construction joints on the model. The weld seams started at an elevation of approximately 60 in. and were repeated approximately every 38 in. ending at the springline for the internal vertically mounted track transducers. For the external track transducers, the construction joints started at an elevation of approximately 80 in. and were repeated again at approximately 156 in. Figures B-3 and B-7 provide more detailed information concerning the weld seams and construction joints. The symbols on the lines identify the curve and pressure level at which the data were taken.

TABLE B-2

Pressure Levels at Which
Data Were Gathered During High Pressure Test

<u>Data*</u>	<u>Pressure psig (Channel #2)</u>	<u>Track Data Gathered</u>	<u>Data Plotted (Figs. B-3 - B-10)</u>
1**	9.9		
2	19.6		
3	29.6		
4	39.4		
5	49.2	X	X
6	54.5		
7	59.6	X	
8	64.2		
9	69.3	X	
10	74.2		
11	80.2	X	X
12	85.6		
13	90.6	X	
14	95.7	X	X
15	100.9	X	
16	103.3		
17	106.1		
18	108.3	X	
19	111.1		
20	113.2	X	X
21	117.8	X	
22	120.9	X	
23	123.3		
24	123.0		
25	125.8	X	X
26	125.6		
27	127.8		
28	130.2	X	
29	132.5		
30	135.3	X	X
31	134.4		
32	138.4		
33	140.2	X	
34	142.6		
35	145.8	X	X
36	142.5		
37	0.2	X	

*Data were taken during high-pressure test.

**Data and track scans were taken at zero psig to be used for zeroing subsequent readings.

Acknowledgements

I wish to thank the following Sandia and K-tech personnel involved in the design, construction and installment of the track systems: Barry Spletzer, Pat Drozda, Frank Horine, and Gary Loughrin for their efforts in making the track systems a success.

Figure B-1. Track 1, Interior Track Transducer Below EQ. A-1, Az=2.45 Degrees, V=2 Ft. 6.9 In., V=8 Ft. 2.1 In.

Figure B-2. Track 2, Interior Track Transducer Near PL-A; Az=98 Degrees, V=2 Ft. 5.2 In., V=24 Ft. 3.3 In.

Figure B-3. Track 3, Interior Track Transducer Below EQ.-B, Az=182.77 Degrees; V=2 Ft. 6.0 In., V=8 Ft. 1.6 In.

Figure B-4. Track 4, Interior Track Transducer Near PL-B; Az=278 Degrees, V=2 Ft. 5.3 In., V=24 Ft. 3.7 In.

Figure B-5. Track 5, Exterior Track Transducer Below EQ.-A, Az=358.82 Degrees; V=1 Ft. 11.9 In., V=8 Ft. 3.9 In.

Figure B-6. Track 6, Exterior Track Transducer Near PL-A; Az=102.48 Degrees, V=2 Ft. 0.0 In., V=22 Ft. 4.3 In.

Figure B-7. Track 7, Exterior Track Transducer Below EQ-B, Az=179 Degrees; V=2 Ft. 1.9 In., V=8 Ft. 5.6 In.

Figure B-8. Track 8, Exterior Track Transducer Near PL-B; Az=285 Degrees, V=2 Ft. 1.8 In., V=22 Ft. 3.1 In.

Figure B-9. Track 9, Basemat Track Transducer; Az=84.78 Degrees; R=1 Ft. 11.8 In., R=9 Ft. 0.9 In.

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(Assigned by NRC. Add Vol., Supp., Rev.,
and Addendum Numbers, if any.)

NUREG/CR-5121
SAND88-0906

2. TITLE AND SUBTITLE

Experimental Results from Pressure Testing a 1:6-Scale Nuclear
Power Plant Containment

3. DATE REPORT PUBLISHED

MONTH YEAR

January 1992

4. FIN OR GRANT NUMBER

FIN A1249

5. AUTHOR(S)

D. S. Horschel

6. TYPE OF REPORT

Technical

7. PERIOD COVERED (Inclusive Dates)

8. PERFORMING ORGANIZATION - NAME AND ADDRESS (If NRC, provide Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address; if contractor, provide name and mailing address.)

Sandia National Laboratories
Albuquerque, NM 87185

9. SPONSORING ORGANIZATION - NAME AND ADDRESS (If NRC, type "Same as above"; if contractor, provide NRC Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address.)

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Washington, DC 20555

10. SUPPLEMENTARY NOTES

11. ABSTRACT (200 words or less)

This report discusses the testing of a 1:6-scale reinforced-concrete containment building at Sandia National Laboratories in Albuquerque, New Mexico. The scale-model containment building was designed and built to the American Society of Mechanical Engineers code by United Engineers and Constructors, Inc., and was instrumented with over 1200 transducers to prepare for the test.

The containment model was tested to failure to determine its response to static internal overpressurization. As part of the U.S. Nuclear Regulatory Commission's program on containment integrity, the test results will be used to assess the capability of analytical methods to predict the performance of containments under severe accident loads.

The scaled geometry of the model was typical of a full-size containment. The containment included equipment hatches, personnel air locks, several small piping penetrations, and a thin steel liner that was attached to the concrete by headed studs.

The containment model and its instrumentation are briefly discussed and is followed by the testing procedures and measured response of the containment model. A summary is included to aid in understanding the test as it applies to real-world reinforced-concrete containment structures. The data gathered during testing are included as an appendix.

12. KEY WORDS/DESCRIPTORS (List words or phrases that will assist researchers in locating the report.)

Reinforced-Concrete
Nuclear Power
Testing
Containment
Structures
Models
Failure

Experiment
Instrumentation
Pressure Vessels
Overpressurization
Pneumatic Loading

13. AVAILABILITY STATEMENT

Unlimited

14. SECURITY CLASSIFICATION

(This Page)

Unclassified

(This Report)

Unclassified

15. NUMBER OF PAGES

16. PRICE

END

**DATE
FILMED**

12 / 11 / 92

**IMAGE EVALUATION
TEST TARGET (MT-3)**

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APPENDIX C
TEST RESULTS FROM THE
STF AND HIGH-PRESSURE TEST

C-1 INTRODUCTION

The instrumentation used on the containment model was specifically selected and sized for values anticipated during high pressure testing. Few problems with any of the transducers were noted during the test, and very few transducers failed during the test.

Table C-1 relates the channel number used during the testing of the containment model to the sensor type, its sensor number, and alternate label if applicable. This appendix is divided by the type of instrumentation: displacement transducers, track displacement transducers, strain rosettes, weldable strain gages, strip gages, thermocouples, and other transducers, which include the load link, embedment gages, and inclinometers.

No plots were produced for the pressure gages, and it can be noted from the tabulated data that two of the pressure gages (channels 3 and 19) were not used during the SIF. The pressure readings taken by channel 2 were used in all the tabulated and graphed data for this appendix.

It should be noted that all transducers were zeroed before the start of the high pressure test. This means that any existing strain, displacement, etc., that was read after the low pressure tests was not included at the start of the high pressure test. In most cases, the results from the SIF are included in the same plot and are graphed using a different marker. Since some gages were attached after the SIF, no SIF results are available for these gages, and this is noted on the plot and in the table.

All rosette readings have been converted to principal strains, which are shown on separate plots; the first plot graphs the maximum principal strains, and the second plot is a graph of the minimum principal strains. The angle listed in the tabulated data is the acute angle from the axis of lowest channel number on the gage to the nearest principal axis. When positive, the direction is the same as that of the gage numbering and, when negative, opposite to the gage numbering.

Table C-1
Instrumentation Listed by Channel Number

Channel No.	Sensor Type	Alternate Label	Channel No.	Sensor Type	Alternate Label	Channel No.	Sensor Type	Alternate Label
1	Pressure		120	Potentiometer	D1	205	Potentiometer	D86
2	Pressure		121	Potentiometer	D2	206	Potentiometer	D87
3	Pressure		122	LVDT	D3	207	Potentiometer	D88
4	Flow		123	LVDT	D4	208	Potentiometer	D89
5	Flow		124	LVDT	D5	209	Potentiometer	D90
6	Pressure		125	LVDT	D6	210	Potentiometer	D91
18	Load Tank		126	LVDT	D7	211	Potentiometer	D92
19	Pressure		127	LVDT	D8	212	Potentiometer	D93
60	Thermocouple		128	LVDT	D9	213	Potentiometer	D94
61	Thermocouple		129	LVDT	D10	214	Potentiometer	D95
62	Thermocouple		130	LVDT	D11	215	Potentiometer	D96
63	Thermocouple		131	LVDT	D12	216	Potentiometer	D97
64	Thermocouple		132	LVDT	D13	217	Potentiometer	D98
65	Thermocouple		133	LVDT	D14	218	Potentiometer	D99
66	Thermocouple		134	Potentiometer	D15	219	Potentiometer	D100
67	Thermocouple		135	LVDT	D16	220	Potentiometer	D101
68	Thermocouple		136	LVDT	D17	221	Potentiometer	D102
69	Thermocouple		137	LVDT	D18	222	Potentiometer	D103
70	Thermocouple		138	LVDT	D19	223	Potentiometer	D104
71	Thermocouple		139	LVDT	D20	224	Potentiometer	D105
72	Thermocouple		140	LVDT	D21	225	Potentiometer	D106
73	Thermocouple		141	Potentiometer	D22	226	Potentiometer	D107
74	Thermocouple		142	Potentiometer	D23	227	Potentiometer	D108
75	Thermocouple		143	LVDT	D24	228	Potentiometer	D109
76	Thermocouple		144	LVDT	D25	229	Potentiometer	D110
77	Thermocouple		145	LVDT	D26	230	Potentiometer	D111
78	Thermocouple		146	LVDT	D27	231	Potentiometer	D112
79	Thermocouple		147	LVDT	D28	232	Potentiometer	D113
80	Thermocouple		148	LVDT	D29	233	Potentiometer	D114
81	Thermocouple		149	LVDT	D30	234	Potentiometer	D115
82	Thermocouple		150	LVDT	D31	235	Potentiometer	D116
83	Thermocouple		151	LVDT	D32	236	Potentiometer	D117
84	Thermocouple		152	LVDT	D33	237	Potentiometer	D118
85	Thermocouple		153	LVDT	D34	238	Potentiometer	D119
86	Thermocouple		154	LVDT	D35	239	Potentiometer	D120
89	Thermocouple		155	LVDT	D36	240	Potentiometer	D121
90	Thermocouple		156	LVDT	D37	241	Potentiometer	D122
91	Thermocouple		157	LVDT	D38	242	Potentiometer	D123
92	Thermocouple		158	LVDT	D39	243	Potentiometer	D124
93	Thermocouple		159	LVDT	D40	244	Potentiometer	D125
94	Thermocouple		160	LVDT	D41	257	Potentiometer	D148
95	Thermocouple		161	LVDT	D42	258	Potentiometer	D149
96	Thermocouple		162	LVDT	D43	260	Strip 1, Leg 1	
97	Thermocouple		163	LVDT	D44	261	Strip 1, Leg 3	
98	Thermocouple		164	LVDT	D45	262	Strip 1, Leg 5	
99	Thermocouple		165	LVDT	D46	263	Strip 1, Leg 7	
100	Thermocouple		166	LVDT	D47	264	Strip 1, Leg 9	
101	Thermocouple		167	LVDT	D48	265	Strip 2, Leg 1	
102	Thermocouple		168	LVDT	D49	266	Strip 2, Leg 3	
103	Thermocouple		169	Potentiometer	D50	267	Strip 2, Leg 5	
104	Thermocouple		170	Potentiometer	D51	268	Strip 2, Leg 7	
105	Thermocouple		171	Potentiometer	D52	269	Strip 2, Leg 9	
106	Thermocouple		172	Potentiometer	D53	280	Strip 3, Leg 1	
107	Thermocouple		173	Potentiometer	D54	281	Strip 3, Leg 3	
108	Thermocouple		174	Potentiometer	D55	282	Strip 3, Leg 5	
109	Thermocouple		175	Potentiometer	D56	283	Strip 3, Leg 7	
110	Thermocouple		176	Potentiometer	D57	284	Strip 3, Leg 9	
111	Thermocouple		177	Potentiometer	D58	285	Strip 4, Leg 1	
112	Thermocouple		178	Potentiometer	D59	286	Strip 4, Leg 3	
113	Thermocouple		179	Potentiometer	D60	287	Strip 4, Leg 5	
114	Thermocouple		198	Potentiometer	D79	288	Strip 5, Leg 1	
115	Thermocouple		199	Potentiometer	D80	289	Strip 5, Leg 3	
116	Thermocouple		200	Potentiometer	D81	300	Strip 5, Leg 5	
117	Thermocouple		201	Potentiometer	D82	301	Rosette /R, Leg 1	
118	Thermocouple		202	Potentiometer	D83	302	Rosette /R, Leg 2	
119	Thermocouple		203	Potentiometer	D84	303	Rosette /R, Leg 3	
			204	Potentiometer	D85	304	Strip 6, Leg 1	

Table C-1 (Continued)
Instrumentation Listed by Channel Number

Channel No.	Sensor Type	Channel No.	Sensor Type	Channel No.	Sensor Type
405	Strip 6, Leg 2	443	Weldable 24	580	Weldable 92
406	Strip 6, Leg 3	444	Weldable 25	581	Weldable 93
408	Strip 6, Leg 4	445	Weldable 26	582	Weldable 94
409	Strip 6, Leg 6	446	Weldable 27	583	Weldable 95
420	Strip 6, Leg 8	447	Weldable 28	584	Weldable 96
421	Strip 6, Leg 10	448	Weldable 29	585	Weldable 97
422	Strip 7, Leg 1	449	Weldable 30	586	Weldable 98
423	Strip 7, Leg 2	460	Weldable 31	587	Weldable 99
424	Strip 7, Leg 3	461	Weldable 32	588	Weldable 100
425	Strip 7, Leg 4	462	Weldable 33	589	Weldable 101
426	Strip 7, Leg 6	463	Weldable 34	590	Weldable 102
427	Strip 7, Leg 8	464	Weldable 35	601	Weldable 103
428	Strip 7, Leg 10	465	Weldable 36	602	Weldable 104
429	Rosette 121, Leg 1	466	Weldable 37	603	Weldable 105
430	Rosette 121, Leg 2	467	Weldable 38	604	Weldable 106
431	Rosette 121, Leg 3	468	Weldable 39	605	Weldable 107
432	Rosette 123, Leg 1	469	Weldable 40	606	Weldable 108
433	Rosette 123, Leg 2	480	Weldable 41	607	Weldable 109
434	Rosette 123, Leg 3	481	Weldable 42	608	Weldable 110
435	Rosette 155, Leg 1	482	Weldable 43	609	Weldable 111
436	Rosette 155, Leg 2	483	Weldable 44	620	Weldable 112
437	Rosette 155, Leg 3	484	Weldable 45	621	Weldable 113
438	Rosette 156, Leg 1	485	Weldable 46	622	Weldable 114
439	Rosette 156, Leg 2	486	Weldable 47	623	Weldable 115
460	Rosette 156, Leg 3	487	Weldable 48	624	Weldable 116
461	Rosette 157, Leg 1	488	Weldable 49	625	Weldable 117
462	Rosette 157, Leg 2	489	Weldable 50	626	Weldable 118
463	Rosette 157, Leg 3	500	Weldable 51	627	Weldable 119
464	Rosette 158, Leg 1	501	Weldable 52	628	Weldable 120
465	Rosette 158, Leg 2	502	Weldable 53	629	Weldable 121
466	Rosette 158, Leg 3	503	Weldable 54	640	Weldable 122
467	Rosette 159, Leg 1	504	Weldable 55	641	Weldable 123
468	Rosette 159, Leg 2	505	Weldable 56	642	Weldable 124
469	Rosette 159, Leg 3	506	Weldable 57	643	Weldable 125
480	Rosette 160, Leg 1	507	Weldable 58	644	Weldable 126
481	Rosette 160, Leg 2	508	Weldable 59	645	Weldable 127
482	Rosette 160, Leg 3	509	Weldable 60	646	Weldable 128
483	Rosette 161, Leg 1	520	Weldable 61	647	Weldable 129
484	Rosette 161, Leg 2	521	Weldable 62	648	Weldable 130
485	Rosette 161, Leg 3	522	Weldable 63	649	Weldable 131
486	Strip 8, Leg 1	523	Weldable 64	660	Weldable 132
487	Strip 8, Leg 2	524	Weldable 65	661	Weldable 133
488	Strip 8, Leg 3	525	Weldable 66	662	Weldable 134
489	Strip 8, Leg 5	526	Weldable 67	663	Weldable 135
490	Weldable 1	527	Weldable 68	664	Weldable 136
491	Weldable 2	528	Weldable 69	665	Weldable 137
492	Weldable 3	529	Weldable 70	666	Weldable 138
493	Weldable 4	540	Weldable 71	667	Weldable 139
494	Weldable 5	541	Weldable 72	668	Weldable 140
495	Weldable 6	542	Weldable 73	669	Weldable 141
496	Weldable 7	543	Weldable 74	680	Weldable 142
497	Weldable 8	544	Weldable 75	681	Weldable 143
498	Weldable 9	545	Weldable 76	682	Weldable 144
499	Weldable 10	546	Weldable 77	683	Weldable 145
420	Weldable 11	547	Weldable 78	684	Weldable 146
421	Weldable 12	548	Weldable 79	685	Weldable 147
422	Weldable 13	549	Weldable 80	686	Weldable 148
423	Weldable 14	560	Weldable 81	687	Weldable 149
424	Weldable 15	561	Weldable 82	688	Weldable 150
425	Weldable 16	562	Weldable 83	689	Weldable 151
426	Weldable 17	563	Weldable 84	700	Weldable 152
427	Weldable 18	564	Weldable 85	701	Weldable 153
428	Weldable 19	565	Weldable 86	702	Weldable 154
429	Weldable 20	566	Weldable 87	703	Weldable 155
440	Weldable 21	567	Weldable 88	704	Weldable 156
441	Weldable 22	568	Weldable 89	705	Weldable 157
442	Weldable 23	569	Weldable 90	706	Weldable 158

Table C-1 (Continued)
Instrumentation Listed by Channel Number

Channel No.	Station Type	Channel No.	Station Type	Channel No.	Station Type
707	Wellable 160	814	Wellable 236	1101	Bondable 16
708	Wellable 160	845	Wellable 237	1102	Bondable 17
709	Wellable 160	846	Wellable 238	1103	Bondable 18
720	Wellable 162	847	Wellable 239	1104	Bondable 19
721	Wellable 163	848	Wellable 240	1105	Bondable 20
722	Wellable 164	849	Wellable 241	1106	Bondable 21
723	Wellable 165	860	Wellable 242	1107	Bondable 22
724	Wellable 166	861	Wellable 243	1108	Bondable 23
725	Wellable 167	862	Wellable 244	1109	Bondable 24
726	Wellable 168	863	Wellable 245	1120	Bondable 25
727	Wellable 169	864	Wellable 246	1121	Bondable 1471
728	Wellable 170	865	Wellable 247	1122	Bondable 1481
729	Wellable 171	866	Wellable 248	1123	Bondable 1801
740	Wellable 172	867	Wellable 249	1124	Bondable 1811
741	Wellable 173	868	Wellable 240	1125	Embedment 1
742	Wellable 174	869	Wellable 241	1126	Embedment 2
743	Wellable 175	880	Wellable 242	1127	Embedment 3
744	Wellable 176	881	Wellable 243	1128	Embedment 4
745	Wellable 177	882	Wellable 244	1129	Embedment 5
746	Wellable 178	883	Wellable 245	1140	Embedment 6
747	Wellable 179	884	Wellable 246	1141	Embedment 7
748	Wellable 180	885	Wellable 247	1142	Embedment 8
749	Wellable 181	886	Wellable 248	1143	Embedment 9
760	Wellable 182	887	Wellable 249	1144	Embedment 10
761	Wellable 183	888	Wellable 250	1145	Embedment 11
762	Wellable 184	889	Wellable 251	1146	Embedment 12
763	Wellable 185	1020	Wellable 252	1147	Embedment 13
764	Wellable 186	1021	Wellable 253	1148	Embedment 14
765	Wellable 187	1022	Wellable 254	1149	Embedment 15
766	Wellable 188	1023	Wellable 255	1160	Embedment 16
767	Wellable 189	1024	Wellable 256	1161	Embedment 17
768	Wellable 190	1025	Wellable 257	1162	Rosette 1, Leg 1
769	Wellable 191	1026	Wellable 258	1163	Rosette 1, Leg 2
780	Wellable 192	1027	Wellable 259	1164	Rosette 1, Leg 3
781	Wellable 193	1028	Wellable 260	1165	Rosette 2, Leg 1
782	Wellable 194	1029	Wellable 261	1166	Rosette 2, Leg 2
783	Wellable 195	1030	Wellable 262	1167	Rosette 2, Leg 3
784	Wellable 196	1031	Wellable 263	1168	Rosette 3, Leg 1
785	Wellable 197	1032	Wellable 264	1169	Rosette 3, Leg 2
786	Wellable 198	1033	Wellable 265	1180	Rosette 3, Leg 3
787	Wellable 199	1034	Wellable 266	1181	Rosette 4, Leg 1
788	Wellable 200	1035	Wellable 267	1182	Rosette 4, Leg 2
789	Wellable 201	1036	Wellable 268	1183	Rosette 4, Leg 3
800	Wellable 202	1037	Wellable 269	1184	Rosette 5, Leg 1
801	Wellable 203	1038	Wellable 270	1185	Rosette 5, Leg 2
802	Wellable 204	1039	Wellable 271	1186	Rosette 5, Leg 3
803	Wellable 205	1040	Wellable 272	1187	Rosette 6, Leg 1
804	Wellable 206	1041	Wellable 273	1188	Rosette 6, Leg 2
805	Wellable 207	1042	Wellable 274	1189	Rosette 6, Leg 3
806	Wellable 208	1043	Wellable 275	1200	Rosette 7, Leg 1
807	Wellable 209	1044	Wellable 276	1201	Rosette 7, Leg 2
808	Wellable 210	1045	Wellable 277	1202	Rosette 7, Leg 3
809	Wellable 211	1046	Bondable 1	1203	Rosette 7, Leg 1
810	Wellable 212	1047	Bondable 2	1204	Rosette 8, Leg 1
811	Wellable 213	1048	Bondable 3	1205	Rosette 8, Leg 2
812	Wellable 214	1049	Bondable 4	1206	Rosette 8, Leg 3
813	Wellable 215	1050	Bondable 5	1207	Rosette 9, Leg 1
814	Wellable 216	1051	Bondable 6	1208	Rosette 9, Leg 2
815	Wellable 217	1052	Bondable 7	1209	Rosette 9, Leg 3
816	Wellable 218	1053	Bondable 8	1220	Rosette 10, Leg 1
817	Wellable 219	1054	Bondable 9	1221	Rosette 10, Leg 2
818	Wellable 220	1055	Bondable 10	1222	Rosette 11, Leg 1
819	Wellable 221	1056	Bondable 11	1223	Rosette 11, Leg 2
820	Wellable 222	1057	Bondable 12	1224	Rosette 11, Leg 3
821	Wellable 223	1058	Bondable 13	1225	Rosette 12, Leg 1
822	Wellable 224	1059	Bondable 14	1226	Rosette 12, Leg 2
843	Wellable 225	1100	Bondable 15	1227	Rosette 12, Leg 3

Table C-1(Continued)
Instrumentation Listed by Channel Number

Channel No.	Sensor Type	Channel No.	Sensor Type	Channel No.	Sensor Type
1228	Rosette 13, Leg 1	1365	Rosette 35, Leg 3	1502	Rosette 58, Leg 1
1229	Rosette 13, Leg 2	1366	Rosette 36, Leg 1	1503	Rosette 58, Leg 2
1240	Rosette 13, Leg 3	1367	Rosette 36, Leg 2	1504	Rosette 58, Leg 3
1241	Rosette 14, Leg 1	1368	Rosette 36, Leg 3	1505	Rosette 59, Leg 1
1242	Rosette 14, Leg 2	1369	Rosette 37, Leg 1	1506	Rosette 59, Leg 2
1243	Rosette 14, Leg 3	1380	Rosette 37, Leg 2	1507	Rosette 59, Leg 3
1244	Rosette 15, Leg 1	1381	Rosette 37, Leg 3	1508	Rosette 60, Leg 1
1245	Rosette 15, Leg 2	1382	Rosette 38, Leg 1	1509	Rosette 60, Leg 2
1246	Rosette 15, Leg 3	1383	Rosette 38, Leg 2	1520	Rosette 60, Leg 3
1247	Rosette 16, Leg 1	1384	Rosette 38, Leg 3	1521	Rosette 61, Leg 1
1248	Rosette 16, Leg 2	1385	Rosette 39, Leg 1	1522	Rosette 61, Leg 2
1249	Rosette 16, Leg 3	1386	Rosette 39, Leg 2	1523	Rosette 61, Leg 3
1260	Rosette 17, Leg 1	1387	Rosette 39, Leg 3	1524	Rosette 62, Leg 1
1261	Rosette 17, Leg 2	1388	Rosette 40, Leg 1	1525	Rosette 62, Leg 2
1262	Rosette 17, Leg 3	1389	Rosette 40, Leg 2	1526	Rosette 62, Leg 3
1263	Rosette 18, Leg 1	1400	Rosette 40, Leg 3	1527	Rosette 63, Leg 1
1264	Rosette 18, Leg 2	1401	Rosette 41, Leg 1	1528	Rosette 63, Leg 2
1265	Rosette 18, Leg 3	1402	Rosette 41, Leg 2	1529	Rosette 63, Leg 3
1266	Rosette 19, Leg 1	1403	Rosette 41, Leg 3	1540	Rosette 64, Leg 1
1267	Rosette 19, Leg 2	1404	Rosette 42, Leg 1	1541	Rosette 64, Leg 2
1268	Rosette 19, Leg 3	1405	Rosette 42, Leg 2	1542	Rosette 64, Leg 3
1269	Rosette 20, Leg 1	1406	Rosette 42, Leg 3	1543	Rosette 65, Leg 1
1280	Rosette 20, Leg 2	1407	Rosette 43, Leg 1	1544	Rosette 65, Leg 2
1281	Rosette 20, Leg 3	1408	Rosette 43, Leg 2	1545	Rosette 65, Leg 3
1282	Rosette 21, Leg 1	1409	Rosette 43, Leg 3	1546	Rosette 66, Leg 1
1283	Rosette 21, Leg 2	1420	Rosette 44, Leg 1	1547	Rosette 66, Leg 2
1284	Rosette 21, Leg 3	1421	Rosette 44, Leg 2	1548	Rosette 66, Leg 3
1285	Rosette 22, Leg 1	1422	Rosette 44, Leg 3	1549	Rosette 67, Leg 1
1286	Rosette 22, Leg 2	1423	Rosette 45, Leg 1	1560	Rosette 67, Leg 2
1287	Rosette 22, Leg 3	1424	Rosette 45, Leg 2	1561	Rosette 67, Leg 3
1288	Rosette 23, Leg 1	1425	Rosette 45, Leg 3	1562	Rosette 68, Leg 1
1289	Rosette 23, Leg 2	1426	Rosette 46, Leg 1	1563	Rosette 68, Leg 2
1300	Rosette 23, Leg 3	1427	Rosette 46, Leg 2	1564	Rosette 68, Leg 3
1301	Rosette 24, Leg 1	1428	Rosette 46, Leg 3	1565	Rosette 69, Leg 1
1302	Rosette 24, Leg 2	1429	Rosette 47, Leg 1	1566	Rosette 69, Leg 2
1303	Rosette 24, Leg 3	1440	Rosette 47, Leg 2	1567	Rosette 69, Leg 3
1304	Rosette 25, Leg 1	1441	Rosette 47, Leg 3	1568	Rosette 70, Leg 1
1305	Rosette 25, Leg 2	1442	Rosette 48, Leg 1	1569	Rosette 70, Leg 2
1306	Rosette 25, Leg 3	1443	Rosette 48, Leg 2	1580	Rosette 70, Leg 3
1307	Rosette 26, Leg 1	1444	Rosette 48, Leg 3	1581	Rosette 71, Leg 1
1308	Rosette 26, Leg 2	1445	Rosette 49, Leg 1	1582	Rosette 71, Leg 2
1309	Rosette 26, Leg 3	1446	Rosette 49, Leg 2	1583	Rosette 71, Leg 3
1320	Rosette 27, Leg 1	1447	Rosette 49, Leg 3	1584	Rosette 72, Leg 1
1321	Rosette 27, Leg 2	1448	Rosette 50, Leg 1	1585	Rosette 72, Leg 2
1322	Rosette 27, Leg 3	1449	Rosette 50, Leg 2	1586	Rosette 72, Leg 3
1323	Rosette 28, Leg 1	1460	Rosette 50, Leg 3	1587	Rosette 73, Leg 1
1324	Rosette 28, Leg 2	1461	Rosette 51, Leg 1	1588	Rosette 73, Leg 2
1325	Rosette 28, Leg 3	1462	Rosette 51, Leg 2	1589	Rosette 73, Leg 3
1326	Rosette 29, Leg 1	1463	Rosette 51, Leg 3	1600	Rosette 74, Leg 1
1327	Rosette 29, Leg 2	1464	Rosette 52, Leg 1	1601	Rosette 74, Leg 2
1328	Rosette 29, Leg 3	1465	Rosette 52, Leg 2	1602	Rosette 74, Leg 3
1329	Rosette 30, Leg 1	1466	Rosette 52, Leg 3	1603	Rosette 75, Leg 1
1340	Rosette 30, Leg 2	1467	Rosette 53, Leg 1	1604	Rosette 75, Leg 2
1341	Rosette 31, Leg 1	1468	Rosette 53, Leg 2	1605	Rosette 75, Leg 3
1342	Rosette 31, Leg 2	1469	Rosette 53, Leg 3	1606	Rosette 76, Leg 1
1343	Rosette 31, Leg 3	1480	Rosette 54, Leg 1	1607	Rosette 76, Leg 2
1344	Rosette 32, Leg 1	1481	Rosette 54, Leg 2	1608	Rosette 76, Leg 3
1345	Rosette 32, Leg 2	1482	Rosette 54, Leg 3	1609	Rosette 77, Leg 1
1346	Rosette 32, Leg 3	1483	Rosette 55, Leg 1	1620	Rosette 77, Leg 2
1347	Rosette 33, Leg 1	1484	Rosette 55, Leg 2	1621	Rosette 77, Leg 3
1348	Rosette 33, Leg 2	1485	Rosette 55, Leg 3	1622	Rosette 79, Leg 1
1349	Rosette 33, Leg 3	1486	Rosette 56, Leg 1	1623	Rosette 79, Leg 2
1360	Rosette 34, Leg 1	1487	Rosette 56, Leg 2	1624	Rosette 79, Leg 3
1361	Rosette 34, Leg 2	1488	Rosette 56, Leg 3	1625	Rosette 80, Leg 1
1362	Rosette 34, Leg 3	1489	Rosette 57, Leg 1	1626	Rosette 80, Leg 2
1363	Rosette 35, Leg 1	1500	Rosette 57, Leg 2	1627	Rosette 80, Leg 3
1364	Rosette 35, Leg 2	1501	Rosette 57, Leg 3	1628	Rosette 81, Leg 1

Table C-1(Continued)
Instrumentation Listed by Channel Number

Channel No.	Sensor Type	Channel No.	Sensor Type	Channel No.	Sensor Type
1629	Rosette 81, 1 eg 2	1766	Rosette 103, 1 eg 3	2004	Thermocouple
1640	Rosette 81, 1 eg 3	1767	Rosette 104, 1 eg 1	2005	Thermocouple
1641	Rosette 82, 1 eg 1	1768	Rosette 104, 1 eg 2	2006	Thermocouple
1642	Rosette 82, 1 eg 2	1769	Rosette 104, 1 eg 3	2007	Thermocouple
1643	Rosette 82, 1 eg 3	1780	Rosette 105, 1 eg 1	2008	Thermocouple
1644	Rosette 83, 1 eg 1	1781	Rosette 105, 1 eg 2	2009	Thermocouple
1645	Rosette 83, 1 eg 2	1782	Rosette 105, 1 eg 3	2010	Thermocouple
1646	Rosette 83, 1 eg 3	1783	Rosette 106, 1 eg 1	2011	Thermocouple
1647	Rosette 84, 1 eg 1	1784	Rosette 106, 1 eg 2	2012	Thermocouple
1648	Rosette 84, 1 eg 2	1785	Rosette 106, 1 eg 3	2013	Thermocouple
1649	Rosette 84, 1 eg 3	1786	Rosette 107, 1 eg 1	2014	Thermocouple
1660	Rosette 85, 1 eg 1	1787	Rosette 107, 1 eg 2	2015	Thermocouple
1661	Rosette 85, 1 eg 2	1788	Rosette 107, 1 eg 3	2020	Rosette 127, 1 eg 1
1662	Rosette 85, 1 eg 3	1789	Rosette 108, 1 eg 1	2021	Rosette 127, 1 eg 2
1663	Rosette 86, 1 eg 1	1800	Rosette 108, 1 eg 2	2022	Rosette 127, 1 eg 3
1664	Rosette 86, 1 eg 2	1801	Rosette 108, 1 eg 3	2023	Rosette 128, 1 eg 1
1665	Rosette 86, 1 eg 3	1802	Rosette 109, 1 eg 1	2024	Rosette 128, 1 eg 2
1666	Rosette 87, 1 eg 1	1803	Rosette 109, 1 eg 2	2025	Rosette 128, 1 eg 3
1667	Rosette 87, 1 eg 2	1804	Rosette 109, 1 eg 3	2026	Rosette 129, 1 eg 1
1668	Rosette 87, 1 eg 3	1805	Rosette 110, 1 eg 1	2027	Rosette 129, 1 eg 2
1669	Rosette 88, 1 eg 1	1806	Rosette 110, 1 eg 2	2028	Rosette 129, 1 eg 3
1680	Rosette 88, 1 eg 2	1807	Rosette 110, 1 eg 3	2029	Rosette 130, 1 eg 1
1681	Rosette 88, 1 eg 3	1808	Rosette 111, 1 eg 1	2040	Rosette 130, 1 eg 2
1682	Rosette 89, 1 eg 1	1809	Rosette 111, 1 eg 2	2041	Rosette 130, 1 eg 3
1683	Rosette 89, 1 eg 2	1820	Rosette 111, 1 eg 3	2042	Rosette 131, 1 eg 1
1684	Rosette 89, 1 eg 3	1821	Rosette 112, 1 eg 1	2043	Rosette 131, 1 eg 2
1685	Rosette 90, 1 eg 1	1822	Rosette 112, 1 eg 2	2044	Rosette 131, 1 eg 3
1686	Rosette 90, 1 eg 2	1823	Rosette 112, 1 eg 3	2045	Rosette 132, 1 eg 1
1687	Rosette 90, 1 eg 3	1824	Rosette 113, 1 eg 1	2046	Rosette 132, 1 eg 2
1688	Rosette 91, 1 eg 1	1825	Rosette 113, 1 eg 2	2047	Rosette 132, 1 eg 3
1689	Rosette 91, 1 eg 2	1826	Rosette 113, 1 eg 3	2048	Rosette 133, 1 eg 1
1700	Rosette 91, 1 eg 3	1827	Rosette 114, 1 eg 1	2049	Rosette 133, 1 eg 2
1701	Rosette 92, 1 eg 1	1828	Rosette 114, 1 eg 2	2060	Rosette 133, 1 eg 3
1702	Rosette 92, 1 eg 2	1829	Rosette 114, 1 eg 3	2061	Rosette 134, 1 eg 1
1703	Rosette 92, 1 eg 3	1840	Rosette 115, 1 eg 1	2062	Rosette 134, 1 eg 2
1704	Rosette 93, 1 eg 1	1841	Rosette 115, 1 eg 2	2063	Rosette 134, 1 eg 3
1705	Rosette 93, 1 eg 2	1842	Rosette 115, 1 eg 3	2064	Rosette 135, 1 eg 1
1706	Rosette 93, 1 eg 3	1843	Rosette 116, 1 eg 1	2065	Rosette 135, 1 eg 2
1707	Rosette 94, 1 eg 1	1844	Rosette 116, 1 eg 2	2066	Rosette 135, 1 eg 3
1708	Rosette 94, 1 eg 2	1845	Rosette 116, 1 eg 3	2067	Rosette 136, 1 eg 1
1709	Rosette 94, 1 eg 3	1846	Rosette 117, 1 eg 1	2068	Rosette 136, 1 eg 2
1720	Rosette 95, 1 eg 1	1847	Rosette 117, 1 eg 2	2069	Rosette 136, 1 eg 3
1721	Rosette 95, 1 eg 2	1848	Rosette 117, 1 eg 3	2080	Rosette 137, 1 eg 1
1722	Rosette 95, 1 eg 3	1849	Rosette 118, 1 eg 1	2081	Rosette 137, 1 eg 2
1723	Rosette 96, 1 eg 1	1860	Rosette 118, 1 eg 2	2082	Rosette 137, 1 eg 3
1724	Rosette 96, 1 eg 2	1861	Rosette 118, 1 eg 3	2083	Rosette 138, 1 eg 1
1725	Rosette 96, 1 eg 3	1862	Rosette 119, 1 eg 1	2084	Rosette 138, 1 eg 2
1726	Rosette 97, 1 eg 1	1863	Rosette 119, 1 eg 2	2085	Rosette 138, 1 eg 3
1727	Rosette 97, 1 eg 2	1864	Rosette 119, 1 eg 3	2086	Rosette 139, 1 eg 1
1728	Rosette 97, 1 eg 3	1865	Rosette 120, 1 eg 1	2087	Rosette 139, 1 eg 2
1729	Rosette 98, 1 eg 1	1866	Rosette 120, 1 eg 2	2088	Rosette 139, 1 eg 3
1740	Rosette 98, 1 eg 2	1867	Rosette 120, 1 eg 3	2089	Rosette 140, 1 eg 1
1741	Rosette 98, 1 eg 3	1868	Rosette 122, 1 eg 1	2100	Rosette 140, 1 eg 2
1742	Rosette 99, 1 eg 1	1869	Rosette 122, 1 eg 2	2101	Rosette 140, 1 eg 3
1743	Rosette 99, 1 eg 2	1880	Rosette 122, 1 eg 3	2102	Rosette 141, 1 eg 1
1744	Rosette 99, 1 eg 3	1881	Rosette 124, 1 eg 1	2103	Rosette 141, 1 eg 2
1745	Rosette 100, 1 eg 1	1882	Rosette 124, 1 eg 2	2104	Rosette 141, 1 eg 3
1746	Rosette 100, 1 eg 2	1883	Rosette 124, 1 eg 3	2105	Rosette 142, 1 eg 1
1747	Rosette 100, 1 eg 3	1884	Rosette 125, 1 eg 1	2106	Rosette 142, 1 eg 2
1748	Rosette 101, 1 eg 1	1885	Rosette 125, 1 eg 2	2107	Rosette 142, 1 eg 3
1749	Rosette 101, 1 eg 2	1886	Rosette 125, 1 eg 3	2108	Rosette 143, 1 eg 1
1760	Rosette 101, 1 eg 3	1887	Rosette 126, 1 eg 1	2109	Rosette 143, 1 eg 2
1761	Rosette 102, 1 eg 1	1888	Rosette 126, 1 eg 2	2120	Rosette 143, 1 eg 3
1762	Rosette 102, 1 eg 2	1889	Rosette 126, 1 eg 3	2121	Rosette 144, 1 eg 1
1763	Rosette 102, 1 eg 3	2001	Thermocouple	2122	Rosette 144, 1 eg 2
1764	Rosette 103, 1 eg 1	2002	Thermocouple	2123	Rosette 144, 1 eg 3
1765	Rosette 103, 1 eg 2	2003	Thermocouple	2124	Rosette 145, 1 eg 1

Table C-1(Continued)
Instrumentation Listed by Channel Number

Channel No.	Sensor Type	Channel No.	Sensor Type	Channel No.	Sensor Type
2125	Rosette 145, Leg 2	2269	Strip 11, Leg 10	2426	Strain
2126	Rosette 145, Leg 3	2280	Strip 12, Leg 1	2427	Strain
2127	Rosette 146, Leg 1	2281	Strip 12, Leg 2	2428	Strain
2128	Rosette 146, Leg 2	2282	Strip 12, Leg 3	2429	Strain
2129	Rosette 146, Leg 3	2283	Strip 12, Leg 5	2440	T Rosette 1, Leg 1
2140	Rosette 147, Leg 1	2284	Strip 12, Leg 7	2441	T Rosette 1, Leg 2
2141	Rosette 147, Leg 2	2285	Strip 12, Leg 10	2442	T Rosette 2, Leg 1
2142	Rosette 147, Leg 3	2286	Strip 13, Leg 1	2443	T Rosette 2, Leg 2
2143	Rosette 148, Leg 1	2287	Strip 13, Leg 2	2444	T Rosette 3, Leg 1
2144	Rosette 148, Leg 2	2288	Strip 13, Leg 3	2445	T Rosette 3, Leg 2
2145	Rosette 148, Leg 3	2289	Strip 13, Leg 5	2446	T Rosette 4, Leg 1
2146	Rosette 149, Leg 1	2300	Strip 13, Leg 7	2447	T Rosette 4, Leg 2
2147	Rosette 149, Leg 2	2301	Strip 13, Leg 10	2465	Strain
2148	Rosette 149, Leg 3	2302	Strain	2467	Strain
2149	Rosette 150, Leg 1	2303	Strain	2469	Strain
2160	Rosette 150, Leg 2	2304	Strain	2480	Inclinometer
2161	Rosette 150, Leg 3	2305	Strain	2481	Inclinometer
2162	Rosette 151, Leg 1	2306	Strain	2482	Inclinometer
2163	Rosette 151, Leg 2	2307	Strain	2483	Inclinometer
2164	Rosette 151, Leg 3	2308	Strain	2484	Inclinometer
2165	Rosette 152, Leg 1	2309	Strain	2485	Inclinometer
2166	Rosette 152, Leg 2	2320	Strain	2486	Inclinometer
2167	Rosette 152, Leg 3	2321	Strain	2487	Inclinometer
2168	Rosette 153, Leg 1	2322	Strain		
2169	Rosette 153, Leg 2	2323	Strain		
2180	Rosette 153, Leg 3	2324	Strain		
2181	Rosette 154, Leg 1	2325	Strain		
2182	Rosette 154, Leg 2	2326	Strain		
2183	Rosette 154, Leg 3	2327	Strain		
2184	Weldable 278	2328	Strain		
2185	Weldable 279	2329	Strain		
2186	Weldable 280	2340	Strain		
2187	Weldable 281	2341	Strain		
2188	Weldable 282	2342	Strain		
2189	Weldable 283	2343	Strain		
2200	Weldable 284	2344	Strain		
2201	Weldable 285	2345	Strain		
2202	Weldable 286	2346	Strain		
2203	Weldable 287	2347	Strain		
2204	Weldable 288	2348	Strain		
2205	Weldable 289	2349	Strain		
2206	Weldable 290	2360	Strain		
2207	Weldable 291	2361	Strain		
2208	Weldable 292	2362	Strain		
2209	Weldable 293	2363	Strain		
2220	Weldable 294	2364	Strip 14, Leg 1		
2221	Weldable 295	2365	Strip 14, Leg 2		
2222	Rosette 10, Leg 3	2366	Strip 14, Leg 3		
2240	Strip 8, Leg 7	2367	Strip 14, Leg 4		
2241	Strip 8, Leg 10	2368	Strip 14, Leg 5		
2242	Strip 9, Leg 1	2369	Strip 14, Leg 6		
2243	Strip 9, Leg 2	2380	Strip 14, Leg 7		
2244	Strip 9, Leg 3	2381	Strip 14, Leg 8		
2245	Strip 9, Leg 5	2382	Strip 14, Leg 9		
2246	Strip 9, Leg 7	2383	Strip 14, Leg 10		
2247	Strip 9, Leg 10	2384	Strip 15, Leg 1		
2248	Strip 10, Leg 1	2385	Strip 15, Leg 2		
2249	Strip 10, Leg 2	2386	Strip 15, Leg 3		
2260	Strip 10, Leg 3	2387	Strip 15, Leg 4		
2261	Strip 10, Leg 5	2388	Strip 15, Leg 5		
2262	Strip 10, Leg 7	2389	Strip 15, Leg 6		
2263	Strip 10, Leg 10	2400	Strip 15, Leg 7		
2264	Strip 11, Leg 1	2401	Strip 15, Leg 8		
2265	Strip 11, Leg 2	2402	Strip 15, Leg 9		
2266	Strip 11, Leg 3	2403	Strip 15, Leg 10		
2267	Strip 11, Leg 5	2424	Strain		
2268	Strip 11, Leg 7	2425	Strain		

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END

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1-6-92

SANDIA NATIONAL LABS

IMAGE EVALUATION TEST TARGET (MT-3)

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

THIS DOCUMENT FILMED

AT

24

REDUCTION

Displacement, Potentiometer

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 120

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0020
5.33	-0.0001	19.55	0.0119
12.31	0.0021	29.57	0.0253
16.44	0.0057	39.42	0.0360
20.51	0.0104	49.16	0.0473
20.46	0.0128	54.50	0.0555
20.47	0.0137	59.57	0.0654
27.05	0.0238	64.20	0.0741
34.69	0.0351	69.32	0.0814
34.53	0.0392	74.16	0.0924
34.53	0.0403	80.16	0.1104
39.70	0.0482	85.61	0.1254
45.90	0.0602	90.58	0.1426
45.65	0.0626	95.69	0.1596
45.62	0.0638	100.92	0.1786
50.10	0.0685	103.25	0.1883
53.47	0.0752	106.11	0.1968
53.29	0.0771	108.31	0.2038
53.21	0.0777	111.08	0.2163
50.49	0.0809	113.24	0.2247
46.14	0.0809	117.83	0.2482
46.13	0.0809	120.92	0.2698
44.97	0.0810	123.28	0.2886
38.98	0.0781	122.97	0.2944
33.99	0.0742	125.82	0.3194
33.96	0.0744	125.60	0.3280
26.83	0.0676	127.84	0.3460
21.88	0.0639	130.19	0.3860
21.90	0.0641	132.53	0.4438
16.69	0.0567	135.33	0.5280
11.74	0.0505	134.42	0.5548
11.77	0.0503	138.35	0.6831
5.05	0.0405	140.16	0.8042
0.02	0.0351	142.63	0.9875
-0.04	0.0304	145.78	1.1495
-0.02	0.0305	142.52	1.2694
-0.02	0.0379	0.22	0.9196
0.02	0.0319		

RADIAL DISPLACEMENT OF THE COVER FOR EQ-A
 TRANSDUCER D0001 (CH 0120)
 AZ = 0 DEGREES V = 13FT 0.4IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 121

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0002	9.89	0.0034
5.33	0.0000	19.55	0.0146
12.31	0.0022	29.57	0.0246
16.44	0.0047	39.42	0.0332
20.51	0.0082	49.16	0.0423
20.46	0.0108	54.50	0.0489
20.47	0.0115	59.57	0.0573
27.05	0.0199	64.20	0.0647
34.69	0.0315	69.32	0.0753
34.53	0.0352	74.16	0.0816
34.53	0.0359	80.16	0.0997
39.70	0.0424	85.61	0.1131
45.90	0.0533	90.58	0.1285
45.65	0.0559	95.69	0.1448
45.62	0.0561	100.92	0.1624
50.10	0.0615	103.25	0.1709
53.47	0.0669	106.11	0.1806
53.29	0.0682	108.31	0.1854
53.21	0.0688	111.08	0.1990
50.49	0.0717	113.24	0.2064
46.14	0.0718	117.83	0.2300
46.13	0.0719	120.92	0.2521
44.97	0.0720	123.28	0.2696
38.98	0.0721	122.97	0.2744
33.99	0.0695	125.82	0.3018
33.96	0.0695	125.60	0.3095
26.83	0.0643	127.84	0.3277
21.88	0.0609	130.19	0.3695
21.90	0.0611	132.53	0.4279
16.69	0.0553	135.33	0.5203
11.74	0.0511	134.42	0.5486
11.77	0.0509	138.35	0.6868
5.05	0.0426	140.16	0.8194
0.02	0.0387	142.63	1.0134
-0.04	0.0332	145.78	1.1843
-0.02	0.0333	142.52	1.3080
-0.02	0.0487	0.22	0.9742
0.02	0.0405		

RADIAL DISPLACEMENT OF THE COVER FOR EQ-A
 TRANSDUCER D0002 (CH 0121)
 AZ = 0 DEGREES V = 14FT 8.4IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 134

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0081
5.33	0.0000	19.55	-0.0082
12.31	0.0001	29.57	0.0032
16.44	0.0002	39.42	0.0170
20.51	0.0002	49.16	0.0291
20.46	0.0003	54.50	0.0374
20.47	0.0004	59.57	0.0455
27.05	0.0072	64.20	0.0540
34.69	0.0214	69.32	0.0652
34.53	0.0237	74.16	0.0776
34.53	0.0239	80.16	0.0887
39.70	0.0310	85.61	0.1000
45.90	0.0421	90.58	0.1176
45.65	0.0441	95.69	0.1316
45.62	0.0444	100.92	0.1443
50.10	0.0511	103.25	0.1512
53.47	0.0575	106.11	0.1581
53.29	0.0583	108.31	0.1634
53.21	0.0583	111.08	0.1711
50.49	0.0584	113.24	0.1787
46.14	0.0584	117.83	0.1979
46.13	0.0583	120.92	0.2148
44.97	0.0587	123.28	0.2344
38.98	0.0587	122.97	0.2407
33.99	0.0588	125.82	0.2725
33.96	0.0590	125.60	0.2825
26.83	0.0590	127.84	0.3039
21.88	0.0590	130.19	0.3656
21.90	0.0591	132.53	0.4630
16.69	0.0590	135.33	0.6077
11.74	0.0562	134.42	0.6463
11.77	0.0560	138.35	0.8472
5.05	0.0425	140.16	1.0068
0.02	0.0418	142.63	1.2176
-0.04	0.0399	145.78	1.3755
-0.02	0.0398	142.52	1.4480
-0.02	0.0381	0.22	1.1358
0.02	0.0340		

RADIAL DISPLACEMENT OF PL-A
 TRANSDUCER D0015 (CH 0134)
 AZ = 90 DEGREES V = 13FT 10.6IN

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 141

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	-0.0977
5.33	-0.0011	19.55	-0.1427
12.31	-0.0010	29.57	0.0971
16.44	0.0011	39.42	0.0965
20.51	0.0087	49.16	0.3564
20.46	0.0113	54.50	0.1021
20.47	0.0124	59.57	-0.4175
27.05	0.0269	64.20	-0.2232
34.69	0.0457	69.32	-0.2699
34.53	0.0494	74.16	-0.1471
34.53	0.0503	80.16	0.0430
39.70	0.0621	85.61	0.0550
45.90	0.0805	90.58	0.0639
45.65	0.0838	95.69	0.0765
45.62	0.0839	100.92	0.0919
50.10	0.0914	103.25	0.0997
53.47	0.0995	106.11	0.1082
53.29	0.1004	108.31	0.1153
53.21	0.1006	111.08	0.1266
50.49	0.1020	113.24	0.1366
46.14	0.1022	117.83	0.1614
46.13	0.1022	120.92	0.1800
44.97	0.1024	123.28	0.0514
38.98	0.1026	122.97	0.2037
33.99	0.0984	125.82	0.2319
33.96	0.0986	125.60	0.2427
26.83	0.0879	127.84	0.2616
21.88	0.0819	130.19	0.3156
21.90	0.0817	132.53	0.4010
16.69	0.0694	135.33	0.5167
11.74	0.0605	134.42	0.5574
11.77	0.0603	138.35	0.6940
5.05	0.0458	140.16	0.8199
0.02	0.0436	142.63	0.9971
-0.04	0.0380	145.78	1.1413
-0.02	0.0382	142.52	1.2035
-0.02	0.0202	0.22	0.8073
0.02	0.0272		

RADIAL DISPLACEMENT OF THE COVER FOR EQ-B
 TRANSDUCER D0022 (CH 0141)
 AZ = 180 DEGREES V = 13FT 1.2IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 142

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0029
5.33	-0.0031	19.55	0.0077
12.31	-0.0037	29.57	0.0235
16.44	-0.0010	39.42	0.0432
20.51	0.0074	49.16	0.0566
20.46	0.0114	54.50	0.0658
20.47	0.0117	59.57	0.0757
27.05	0.0216	64.20	0.0894
34.69	0.0403	69.32	0.1020
34.53	0.0442	74.16	0.1142
34.53	0.0447	80.16	0.1250
39.70	0.0542	85.61	0.1346
45.90	0.0688	90.58	0.1405
45.65	0.0714	95.69	0.1503
45.62	0.0717	100.92	0.1660
50.10	0.0779	103.25	0.1714
53.47	0.0845	106.11	0.1787
53.29	0.0855	108.31	0.1859
53.21	0.0858	111.08	0.1978
50.49	0.0874	113.24	0.2057
46.14	0.0875	117.83	0.2296
46.13	0.0875	120.92	0.2468
44.97	0.0877	123.28	0.2645
38.98	0.0880	122.97	0.2693
33.99	0.0849	125.82	0.2952
33.96	0.0846	125.60	0.3061
26.83	0.0757	127.84	0.3227
21.88	0.0712	130.19	0.3720
21.90	0.0710	132.53	0.4520
16.69	0.0612	135.33	0.5619
11.74	0.0532	134.42	0.5944
11.77	0.0530	138.35	0.7412
5.05	0.0403	140.16	0.8651
0.02	0.0398	142.63	1.0415
-0.04	0.0327	145.78	1.1921
-0.02	0.0327	142.52	1.2513
-0.02	0.0138	0.22	0.8678
0.02	0.0174		

RADIAL DISPLACEMENT OF THE COVER FOR EQ-B
 TRANSDUCER DC023 (CH 0142)
 AZ = 180 DEGREES 0.0IN. V = 14FT 9.2IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 169

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0127	9.89	0.0338
5.33	0.0126	19.55	0.0323
12.31	0.0171	29.57	0.0318
16.44	0.0100	39.42	0.0263
20.51	0.0108	49.16	0.0230
20.46	0.0168	54.50	0.0203
20.47	0.0121	59.57	0.0172
27.05	0.0171	64.20	0.0139
34.69	0.0267	69.32	0.0099
34.53	0.0339	74.16	-0.0092
34.53	0.0262	80.16	-0.0540
39.70	0.0209	85.61	-0.0759
45.90	0.0251	90.58	-0.0906
45.65	0.0347	95.69	-0.1018
45.62	0.0296	100.92	-0.1090
50.10	0.0245	103.25	-0.1159
53.47	0.0290	106.11	-0.1207
53.29	0.0329	108.31	-0.1208
53.21	0.0304	111.08	-0.1271
50.49	0.0255	113.24	-0.1287
46.14	0.0218	117.83	-0.1390
46.13	0.0196	120.92	-0.1426
44.97	0.0091	123.28	-0.1495
38.98	0.0084	122.97	-0.1496
33.99	0.0122	125.82	-0.1576
33.96	0.0198	125.60	-0.1611
26.83	0.0096	127.84	-0.1663
21.88	0.0138	130.19	-0.1702
21.90	0.0197	132.53	-0.1750
16.69	0.0168	135.33	-0.1847
11.74	0.0132	134.42	-0.1873
11.77	0.0214	138.35	-0.1925
5.05	0.0093	140.16	-0.1978
0.02	0.0093	142.63	-0.2073
-0.04	0.0027	145.78	-0.2161
-0.02	0.0022	142.52	-0.2298
-0.02	0.0065	0.22	-0.2549
0.02	-0.0104		

BASEMAT UPLIFT AT INSIDE OF CYLINDER WALL
 TRANSDUCER D0050 (CH 0169)
 AZ = 83 DEGREES V = 4FT 8.5IN. R = 10FT 7.4IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 170

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
0.05	0.000	9.89	-0.0106
5.33	-0.0020	19.55	-0.0087
12.31	-0.0019	29.57	-0.0087
16.44	-0.0019	39.42	-0.0086
20.51	-0.0019	49.16	-0.0085
20.46	-0.0018	54.50	-0.0081
20.47	-0.0018	59.57	-0.0017
27.05	-0.0002	64.20	0.0001
34.69	0.0000	69.32	0.0002
34.53	0.0001	74.16	0.0002
34.53	0.0000	80.16	0.0001
39.70	0.0001	85.61	0.0001
45.90	0.0001	90.58	0.0001
45.65	0.0000	95.69	-0.0005
45.62	0.0000	100.92	-0.0018
50.10	0.0000	103.25	-0.0018
53.47	0.0000	106.11	-0.0018
53.29	0.0000	108.31	-0.0018
53.21	-0.0001	111.08	-0.0019
50.49	0.0000	113.24	-0.0019
46.14	0.0000	117.83	-0.0019
46.13	0.0001	120.92	-0.0018
44.97	0.0001	123.28	-0.0018
38.98	0.0001	122.97	-0.0018
33.99	0.0002	125.82	-0.0018
33.96	0.0002	125.60	-0.0018
26.83	0.0002	127.84	-0.0018
21.88	0.0002	130.19	-0.0018
21.90	0.0002	132.53	-0.0017
16.69	0.0001	135.33	-0.0018
11.74	0.0001	134.42	-0.0017
11.77	0.0001	138.35	-0.0017
5.05	0.0000	140.16	-0.0018
0.02	0.0001	142.63	-0.0017
-0.04	0.0000	145.78	-0.0018
-0.02	-0.0001	142.52	-0.0018
-0.02	-0.0286	0.22	-0.0056
-0.0178			

RELATIVE MOTION BETWEEN PLATFORM AND REFERENCE COLUMN
 DISPLACEMENT PERPENDICULAR TO COLUMN AXIS
 TRANSDUCER D0051 (CH 0170)
 AZ = 180 DEGREES V = 19FT 3.4IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 171

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0004	9.89	-0.0073
5.33	0.0014	19.55	-0.0073
12.31	0.0013	29.57	-0.0074
16.44	0.0014	39.42	-0.0074
20.51	0.0014	49.16	-0.0073
20.46	0.0014	54.50	-0.0073
20.47	0.0014	59.57	-0.0073
27.05	0.0015	64.20	-0.0073
34.69	0.0015	69.32	-0.0073
34.53	0.0014	74.16	-0.0072
34.53	0.0014	80.16	-0.0074
39.70	0.0015	85.61	-0.0074
45.90	0.0014	90.58	-0.0092
45.65	0.0014	95.69	-0.0093
45.62	0.0014	100.92	-0.0093
50.10	0.0014	103.25	-0.0093
53.47	0.0014	106.11	-0.0093
53.29	0.0013	108.31	-0.0093
53.21	0.0014	111.08	-0.0093
50.49	0.0014	113.24	-0.0093
46.14	0.0013	117.83	-0.0093
46.13	0.0013	120.92	-0.0093
44.97	0.0014	123.28	-0.0092
38.98	0.0013	122.97	-0.0092
33.99	0.0014	125.82	-0.0092
33.96	0.0014	125.60	-0.0093
26.83	0.0015	127.84	-0.0091
21.88	0.0015	130.19	-0.0092
21.90	0.0014	132.53	-0.0092
16.69	0.0015	135.33	-0.0092
11.74	0.0015	134.42	-0.0090
11.77	0.0015	138.35	-0.0091
5.05	0.0014	140.16	-0.0091
0.02	0.0014	142.63	-0.0091
-0.04	0.0013	145.78	-0.0091
-0.02	0.0013	142.52	-0.0092
-0.02	-0.0098	0.22	-0.0076
0.02	-0.0078		

RELATIVE MOTION BETWEEN PLATFORM AND REFERENCE COLUMN
 DISPLACEMENT PERPENDICULAR TO COLUMN AXIS
 TRANSDUCER D0052 (CH 0171)
 AZ = 269 DEGREES V = 19FT 3.3IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 172

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0008	9.89	-0.0045
5.33	0.0025	19.55	-0.0057
12.31	0.0038	29.57	-0.0072
16.44	0.0042	39.42	-0.0077
20.51	0.0037	49.16	-0.0081
20.46	0.0048	54.50	-0.0155
20.47	0.0047	59.57	-0.0149
27.05	0.0022	64.20	-0.0140
34.69	0.0000	69.32	-0.0167
34.53	0.0019	74.16	-0.0224
34.53	0.0022	80.16	-0.0325
39.70	0.0010	85.61	-0.0408
45.90	-0.001	90.58	-0.0461
45.65	0.0003	95.69	-0.0462
45.62	0.0006	100.92	-0.0438
50.10	-0.0006	103.25	-0.0421
53.47	-0.0010	106.11	-0.0416
53.29	0.0000	108.31	-0.0414
53.21	0.0002	111.08	-0.0400
50.49	0.0017	113.24	-0.0394
46.14	0.0030	117.83	-0.0385
46.13	0.0021	120.92	-0.0368
44.97	0.0014	123.28	-0.0355
38.98	0.0023	122.97	-0.0349
33.99	0.0026	125.82	-0.0352
33.96	0.0024	125.60	-0.0348
26.83	0.0033	127.84	-0.0354
21.88	0.0035	130.19	-0.0358
21.90	0.0028	132.53	-0.0361
16.69	0.0034	135.33	-0.0362
11.74	0.0041	134.42	-0.0356
11.77	0.0030	138.35	-0.0370
5.05	0.0045	140.16	-0.0370
0.02	0.0055	142.63	-0.0381
-0.04	0.0060	145.78	-0.0389
-0.02	0.0051	142.52	-0.0390
-0.02	0.0085	0.22	-0.0094
0.02	0.0073		

RELATIVE MOTION BETWEEN PLATFORM AND REFERENCE COLUMN
 DISPLACEMENT PARALLEL TO COLUMN AXIS
 TRANSDUCER D0053 (CH 0172)
 AZ = 45 DEGREES V = TOP OF COLUMN

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 173

STRUCTURAL INTEGRITY TEST

A correction of -0.0144 in. has been applied to each reading

Pressure (psig)	Displacement (inches)
-0.05	-0.0145
5.33	0.0033
12.31	0.0076
16.44	0.0092
20.51	0.0111
20.46	0.0115
20.47	0.0118
27.05	0.0144
34.69	0.0192
34.53	0.0199
34.53	0.0201
39.70	0.0219
45.90	0.0245
45.65	0.0249
45.62	0.0249
50.10	0.0263
53.47	0.0279
53.29	0.0281
53.21	0.0281
50.49	0.0291
46.14	0.0293
46.13	0.0293
44.98	0.0293
38.98	0.0280
33.99	0.0267
33.96	0.0269
26.83	0.0243
21.88	0.0232
21.90	0.0233
16.69	0.0205
11.74	0.0193
11.77	0.0193
5.05	0.0132
0.02	0.0041
-0.04	0.0001
-0.02	0.0003
-0.02	0.0003
0.02	0.0005
0.02	-0.0081

HIGH PRESSURE TEST

A correction of -0.0152 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
9.89	0.0038
19.55	0.0074
29.57	0.0114
39.42	0.0148
49.16	0.0179
54.50	0.0204
59.57	0.0231
64.20	0.0264
69.32	0.0294
74.16	0.0335
80.16	0.0376
85.61	0.0411
90.58	0.0450
95.69	0.0498
100.92	0.0547
103.25	0.0575
106.11	0.0602
108.31	0.0622
111.08	0.0664
113.24	0.0698
117.83	0.0745
120.92	0.0798
123.28	0.0844
122.97	0.0853
125.82	0.0901
125.60	0.0923
127.84	0.0962
130.19	0.1029
132.53	0.1101
135.33	0.1228
134.42	0.1256
138.35	0.1414
140.16	0.1546
142.63	0.1743
145.78	0.1917
142.52	0.2034
0.22	0.0866

MERIDIONAL DISPLACEMENT OF CYLINDER WALL BELOW EQ-A
 TRANSDUCER D0054 (CH 0173)
 AZ = 354 DEGREES V = 5FT 11.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 174

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

A correction of -0.0121 in. has been applied to each reading

A correction of -0.0110 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0118	9.89	0.0071
5.33	0.0030	19.55	0.0139
12.31	0.0070	29.57	0.0211
16.44	0.0089	39.42	0.0284
20.51	0.0115	49.16	0.0355
20.46	0.0124	54.50	0.0405
20.47	0.0130	59.57	0.0455
27.05	0.0183	64.20	0.0515
34.69	0.0279	69.32	0.0579
34.53	0.0299	74.16	0.0653
34.53	0.0300	80.16	0.0734
39.70	0.0342	85.61	0.0809
45.90	0.0413	90.58	0.0890
45.65	0.0422	95.69	0.0993
45.62	0.0423	100.92	0.1108
50.10	0.0461	103.25	0.1169
53.47	0.0500	106.11	0.1227
53.29	0.0506	108.31	0.1270
53.21	0.0506	111.08	0.1343
50.49	0.0534	113.24	0.1403
46.14	0.0535	117.83	0.1524
46.13	0.0536	120.92	0.1622
44.98	0.0527	123.28	0.1710
38.98	0.0509	122.97	0.1734
33.99	0.0486	125.82	0.1837
33.96	0.0487	125.60	0.1873
26.83	0.0436	127.84	0.1937
21.88	0.0408	130.19	0.2055
21.90	0.0408	132.53	0.2191
16.69	0.0358	135.33	0.2407
11.74	0.0309	134.42	0.2457
11.77	0.0307	138.35	0.2735
5.05	0.0235	140.16	0.2946
0.02	0.0196	142.63	0.3268
-0.04	0.0166	145.78	0.3584
-0.02	0.0166	142.52	0.3753
-0.02	0.0166	0.22	0.1794
0.02	0.0165		
0.02	0.0041		

MERIDIONAL DISPLACEMENT OF CYLINDER WALL BELOW EQ-A
 TRANSDUCER D0055 (CH 0174)
 AZ = 356 DEGREES V = 11FT 0.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 175

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	-0.0018
5.33	-0.0021	19.55	0.0069
12.31	-0.0022	29.57	0.0158
16.44	-0.0004	39.42	0.0237
20.51	0.0034	49.16	0.0330
20.46	0.0057	54.50	0.0388
20.47	0.0064	59.57	0.0459
27.05	0.0132	64.20	0.0552
34.69	0.0254	69.32	0.0629
34.53	0.0281	74.16	0.0699
34.53	0.0288	80.16	0.0868
39.70	0.0344	85.61	0.0990
45.90	0.0446	90.58	0.1159
45.65	0.0469	95.69	0.1307
45.62	0.0471	100.92	0.1473
50.10	0.0522	103.25	0.1563
53.47	0.0573	106.11	0.1649
53.29	0.0595	108.31	0.1711
53.21	0.0599	111.08	0.1817
50.49	0.0639	113.24	0.1903
46.14	0.0639	117.83	0.2118
46.13	0.0638	120.92	0.2324
44.97	0.0642	123.28	0.2510
38.98	0.0648	122.97	0.2567
33.99	0.0631	125.82	0.2824
33.96	0.0632	125.60	0.2905
26.83	0.0572	127.84	0.3064
21.88	0.0540	130.19	0.3482
21.90	0.0541	132.53	0.4067
16.69	0.0488	135.33	0.4964
11.74	0.0450	134.42	0.5241
11.77	0.0450	138.35	0.6573
5.05	0.0379	140.16	0.7901
0.02	0.0378	142.63	0.9866
-0.04	0.0339	145.78	1.1559
-0.02	0.0341	142.52	1.2763
-0.02	0.0432	0.22	0.9538
0.02	0.0389		

RADIAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-A
TRANSDUCER D0056 (CH 0175)
AZ = 0 DEGREES V = 14FT 9.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 176

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

A correction of -0.1746 in. has been applied to each reading

A correction of -0.1388 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
-0.05	-0.1744
5.33	0.0101
12.31	0.0233
16.44	0.0268
20.51	0.0346
20.46	0.0365
20.47	0.0384
27.05	0.0520
34.69	0.0665
34.53	0.0720
34.53	0.0720
39.70	0.0825
45.90	0.0938
45.65	0.0943
45.62	0.0943
50.10	0.1005
53.47	0.1070
53.29	0.1070
53.21	0.1070
50.49	0.1159
46.14	0.1161
46.13	0.1159
44.98	0.1156
38.98	0.1152
33.99	0.1138
33.96	0.1139
26.83	0.1098
21.88	0.1125
21.90	0.1125
16.69	0.1055
11.74	0.0983
11.77	0.0983
5.05	0.0780
0.02	-0.0892
-0.04	-0.1156
-0.02	-0.1155
-0.02	-0.1154
0.02	-0.1170
0.02	-0.1440

Pressure (psig)	Displacement (inches)
9.89	0.0199
19.55	0.0393
29.57	0.0590
39.42	0.0740
49.16	0.0848
54.50	0.0900
59.57	0.0961
64.20	0.1090
69.32	0.1182
74.16	0.1334
80.16	0.1481
85.61	0.1585
90.58	0.1739
95.69	0.1840
100.92	0.1999
103.25	0.2109
106.11	0.2190
108.31	0.2249
111.08	0.2336
113.24	0.2452
117.83	0.2608
120.92	0.2711
123.28	0.2853
122.97	0.2891
125.82	0.2996
125.60	0.3031
127.84	0.3093
130.19	0.3280
132.53	0.3383
135.33	0.3621
134.42	0.3647
138.35	0.3960
140.16	0.4223
142.63	0.4632
145.78	0.5028
142.52	0.5165
0.22	0.0529

MERIDIONAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-A
 TRANSDUCER D0057 (CH 0176)
 AZ = 358 DEGREES V = 17FT 11.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 177

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0058
5.33	-0.0042	19.55	0.0172
12.31	-0.0037	29.57	0.0294
16.44	-0.0005	39.42	0.0404
20.51	0.0050	49.16	0.0543
20.46	0.0081	54.50	0.0614
20.47	0.0090	59.57	0.0693
27.05	0.0193	64.20	0.0788
34.69	0.0376	69.32	0.0864
34.53	0.0413	74.16	0.0933
34.53	0.0425	80.16	0.1118
39.70	0.0494	85.61	0.1257
45.90	0.0634	90.58	0.1428
45.65	0.0658	95.69	0.1581
45.62	0.0661	100.92	0.1742
50.10	0.0733	103.25	0.1825
53.47	0.0805	106.11	0.1913
53.29	0.0824	108.31	0.1971
53.21	0.0826	111.08	0.2070
50.49	0.0858	113.24	0.2154
46.14	0.0859	117.83	0.2360
46.13	0.0858	120.92	0.2557
44.97	0.0862	123.28	0.2740
38.98	0.0827	122.97	0.2790
33.99	0.0779	125.82	0.3038
33.96	0.0780	125.60	0.3107
26.83	0.0692	127.84	0.3272
21.88	0.0650	130.19	0.3687
21.90	0.0650	132.53	0.4294
16.69	0.0576	135.33	0.5269
11.74	0.0520	134.42	0.5568
11.77	0.0519	138.35	0.7054
5.05	0.0423	140.16	0.8525
0.02	0.0417	142.63	1.0666
-0.04	0.0373	145.78	1.2559
-0.02	0.0366	142.52	1.3762
-0.02	0.0544	0.22	1.0158
0.02	0.0423		

RADIAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-A
 TRANSDUCER D0058 (CH 0177)
 AZ = 359 DEGREES V = 18FT 0.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 178

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0090
5.33	-0.0021	19.55	0.0226
12.31	0.0006	29.57	0.0360
16.44	0.0037	39.42	0.0484
20.51	0.0101	49.16	0.0635
20.46	0.0136	54.50	0.0716
20.47	0.0144	59.57	0.0796
27.05	0.0273	64.20	0.0883
34.69	0.0496	69.32	0.0976
34.53	0.0547	74.16	0.1049
34.53	0.0560	80.16	0.1245
39.70	0.0637	85.61	0.1390
45.90	0.0782	90.58	0.1576
45.65	0.0818	95.69	0.1729
45.62	0.0821	100.92	0.1896
50.10	0.0892	103.25	0.1986
53.47	0.0965	106.11	0.2084
53.29	0.0985	108.31	0.2150
53.21	0.0991	111.08	0.2246
50.49	0.1014	113.24	0.2327
46.14	0.1018	117.83	0.2531
46.13	0.1017	120.92	0.2717
44.97	0.1001	123.28	0.2881
38.98	0.0950	122.97	0.2917
33.99	0.0898	125.82	0.3141
33.96	0.0898	125.60	0.3196
26.83	0.0797	127.84	0.3337
21.88	0.0747	130.19	0.3709
21.90	0.0750	132.53	0.4236
16.69	0.0661	135.33	0.5134
11.74	0.0601	134.42	0.5376
11.77	0.0600	138.35	0.6786
5.05	0.0483	140.16	0.8176
0.02	0.0480	142.63	1.0284
-0.04	0.0417	145.78	1.2168
-0.02	0.0403	142.52	1.3254
-0.02	0.0656	0.22	0.9218
0.02	0.0490		

RADIAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-A
 TRANSDUCER D0059 (CH 0178)
 AZ = 359 DEGREES V = 19FT 11.7IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 179

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

A correction of -0.1087 in. has been applied to each reading

A correction of -0.1148 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
-0.05	-0.1090
5.33	0.0038
12.31	0.0087
16.44	0.0132
20.51	0.0187
20.46	0.0215
20.47	0.0226
27.05	0.0328
34.69	0.0489
34.53	0.0536
34.53	0.0548
39.70	0.0646
45.90	0.0785
45.65	0.0809
45.62	0.0809
50.10	0.0875
53.47	0.0949
53.29	0.0962
53.21	0.0964
50.49	0.1056
46.14	0.1059
46.13	0.1059
44.98	0.1065
38.98	0.1115
33.99	0.1097
33.96	0.1100
26.83	0.0996
21.88	0.0975
21.90	0.0980
16.69	0.0896
11.74	0.0796
11.77	0.0793
5.05	0.0666
0.02	-0.0455
-0.04	-0.0769
-0.02	-0.0766
-0.02	-0.0764
0.02	-0.0768
0.02	-0.1049

Pressure (psig)	Displacement (inches)
9.89	0.0156
19.55	0.0309
29.57	0.0436
39.42	0.0594
49.16	0.0735
54.50	0.0814
59.57	0.0910
64.20	0.1052
69.32	0.1143
74.16	0.1283
80.16	0.1439
85.61	0.1536
90.58	0.1675
95.69	0.1817
100.92	0.1942
103.25	0.2035
106.11	0.2125
108.31	0.2168
111.08	0.2225
113.24	0.2268
117.83	0.2353
120.92	0.2431
123.28	0.2498
122.97	0.2516
125.82	0.2552
125.60	0.2571
127.84	0.2607
130.19	0.2673
132.53	0.2748
135.33	0.2865
134.42	0.2881
138.35	0.2981
140.16	0.3052
142.63	0.3143
145.78	0.3223
142.52	0.3274
0.22	-0.0696

MERIDIONAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-A
 TRANSDUCER D0060 (CH 0179)
 AZ = 359 DEGREES V = 23FT 10.7IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 198

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0076
5.33	0.0001	19.55	0.0174
12.31	0.0039	29.57	0.0272
16.44	0.0082	39.42	0.0392
20.51	0.0126	49.16	0.0500
20.46	0.0143	54.50	0.0583
20.47	0.0150	59.57	0.0658
27.05	0.0215	64.20	0.0745
34.69	0.0368	69.32	0.0871
34.53	0.0390	74.16	0.1049
34.53	0.0400	80.16	0.1149
39.70	0.0455	85.61	0.1249
45.90	0.0554	90.58	0.1390
45.65	0.0596	95.69	0.1541
45.62	0.0606	100.92	0.1650
50.10	0.0668	103.25	0.1708
53.47	0.0728	106.11	0.1764
53.29	0.0745	108.31	0.1800
53.21	0.0750	111.08	0.1862
50.49	0.0759	113.24	0.1916
46.14	0.0761	117.83	0.2012
46.13	0.0761	120.92	0.2083
44.97	0.0752	123.28	0.2184
38.98	0.0754	122.97	0.2221
33.99	0.0734	125.82	0.2342
33.96	0.0721	125.60	0.2399
26.83	0.0646	127.84	0.2472
21.88	0.0578	130.19	0.2568
21.90	0.0554	132.53	0.2667
16.69	0.0501	135.33	0.2782
11.74	0.0444	134.42	0.2804
11.77	0.0432	138.35	0.2908
5.05	0.0359	140.16	0.2987
0.02	0.0317	142.63	0.3078
-0.04	0.0249	145.78	0.3185
-0.02	0.0266	142.52	0.3243
-0.02	0.0289	0.22	0.1087
0.02	0.0287		

RADIAL DISPLACEMENT IN DOME AT $\Phi = 19.52$ DEGREES
 TRANSDUCER D0079 (CH 0198)
 AZ = 90 DEGREES V = 27FT 8.1IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 199

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0097
5.33	-0.0020	19.55	0.0290
12.31	0.0066	29.57	0.0506
16.44	0.0129	39.42	0.0714
20.51	0.0229	49.16	0.0947
20.46	0.0272	54.50	0.1089
20.47	0.0288	59.57	0.1252
27.05	0.0441	64.20	0.1444
34.69	0.0699	69.32	0.1689
34.53	0.0768	74.16	0.2043
34.53	0.0782	80.16	0.2374
39.70	0.0890	85.61	0.2640
45.90	0.1104	90.58	0.2948
45.65	0.1155	95.69	0.3208
45.62	0.1163	100.92	0.3479
50.10	0.1267	103.25	0.3623
53.47	0.1395	106.11	0.3756
53.29	0.1419	108.31	0.3865
53.21	0.1425	111.08	0.4002
50.49	0.1435	113.24	0.4113
46.14	0.1435	117.83	0.4368
46.13	0.1435	120.92	0.4558
44.97	0.1402	123.28	0.4775
38.98	0.1371	122.97	0.4819
33.99	0.1286	125.82	0.5060
33.96	0.1278	125.60	0.5132
26.83	0.1150	127.84	0.5287
21.88	0.1049	130.19	0.5498
21.90	0.1029	132.53	0.5770
16.69	0.0937	135.33	0.6128
11.74	0.0815	134.42	0.6200
11.77	0.0803	138.35	0.6604
5.05	0.0662	140.16	0.6940
0.02	0.0573	142.63	0.7408
-0.04	0.0445	145.78	0.7816
-0.02	0.0442	142.52	0.8020
-0.02	0.0444	0.22	0.3948
0.02	0.0449		

RADIAL DISPLACEMENT IN DOME AT $\Phi = 38.91$ DEGREES
 TRANSDUCER DC080 (CH 0199)
 AZ = 90 DEGREES V = 30 FT 10.9 IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 200

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0002	9.89	-0.0021
5.33	-0.0003	19.55	0.0091
12.31	-0.0012	29.57	0.0193
16.44	0.0024	39.42	0.0309
20.51	0.0069	49.16	0.0420
20.46	0.0078	54.50	0.0494
20.47	0.0083	59.57	0.0563
27.05	0.0154	64.20	0.0639
34.69	0.0290	69.32	0.0735
34.53	0.0307	74.16	0.0870
34.53	0.0306	80.16	0.0916
39.70	0.0363	85.61	0.0991
45.90	0.0454	90.58	0.1095
45.65	0.0481	95.69	0.1189
45.62	0.0487	100.92	0.1270
50.10	0.0538	103.25	0.1309
53.47	0.0597	106.11	0.1348
53.29	0.0603	108.31	0.1379
53.21	0.0603	111.08	0.1418
50.49	0.0628	113.24	0.1453
46.14	0.0626	117.83	0.1545
46.13	0.0628	120.92	0.1609
44.97	0.0627	123.28	0.1690
38.98	0.0632	122.97	0.1721
33.99	0.0632	125.82	0.1845
33.96	0.0633	125.60	0.1884
26.83	0.0574	127.84	0.1967
21.88	0.0530	130.19	0.2097
21.90	0.0530	132.53	0.2273
16.69	0.0443	135.33	0.2545
11.74	0.0384	134.42	0.2593
11.77	0.0384	138.35	0.3007
5.05	0.0299	140.16	0.3301
0.02	0.0288	142.63	0.3718
-0.04	0.0245	145.78	0.4085
-0.02	0.0248	142.52	0.4216
-0.02	0.0249	0.22	0.2127
0.02	0.0256		

RADIAL DISPLACEMENT OF CYLINDER WALL AT SPRING LINE
 TRANSDUCER D0081 (CH 0200)
 AZ = 89 DEGREES V = 24FT 0.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 201

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0424
5.33	0.0217	19.55	0.0731
12.31	0.0429	29.57	0.0981
16.44	0.0529	39.42	0.1182
20.51	0.0625	49.16	0.1354
20.46	0.0645	54.50	0.1452
20.47	0.0651	59.57	0.1554
27.05	0.0824	64.20	0.1568
34.69	0.1026	69.32	0.1820
34.53	0.1047	74.16	0.2029
34.53	0.1054	80.16	0.2188
39.70	0.1145	85.61	0.2336
45.90	0.1291	90.58	0.2505
45.65	0.1329	95.69	0.2673
45.62	0.1340	100.92	0.2822
50.10	0.1425	103.25	0.2901
53.47	0.1499	106.11	0.2966
53.29	0.1518	108.31	0.3021
53.21	0.1522	111.08	0.3099
50.49	0.1537	113.24	0.3158
46.14	0.1540	117.83	0.3298
46.13	0.1540	120.92	0.3399
44.97	0.1540	123.28	0.3517
38.98	0.1512	122.97	0.3558
33.99	0.1440	125.82	0.3705
33.96	0.1438	125.60	0.3764
26.83	0.1284	127.84	0.3863
21.88	0.1167	130.19	0.3993
21.90	0.1151	132.53	0.4141
16.69	0.1000	135.33	0.4345
11.74	0.0832	134.42	0.4377
11.77	0.0831	138.35	0.4614
5.05	0.0527	140.16	0.4796
0.02	0.0238	142.63	0.5034
-0.04	0.0170	145.78	0.5273
-0.02	0.0168	142.52	0.5373
-0.02	0.0167	0.22	0.2571
0.02	0.0171		

RADIAL DISPLACEMENT OF CYLINDER WALL ABOVE SPRING LINE
 TRANSDUCER D0082 (CH 0201)
 AZ = 89 DEGREES V = 26FT 1.9IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 202

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0079
5.33	-0.0022	19.55	0.0252
12.31	0.0028	29.57	0.0431
16.44	0.0087	39.42	0.0631
20.51	0.0164	49.16	0.0828
20.46	0.0203	54.50	0.0961
20.47	0.0216	59.57	0.1106
27.05	0.0355	64.20	0.1278
34.69	0.0592	69.32	0.1502
34.53	0.0655	74.16	0.1822
34.53	0.0675	80.16	0.2100
39.70	0.0783	85.61	0.2336
45.90	0.0970	90.58	0.2591
45.65	0.1023	95.69	0.2838
45.62	0.1031	100.92	0.3060
50.10	0.1114	103.25	0.3188
53.47	0.1215	106.11	0.3308
53.29	0.1243	108.31	0.3391
53.21	0.1250	111.08	0.3528
50.49	0.1264	113.24	0.3627
46.14	0.1267	117.83	0.3848
46.13	0.1265	120.92	0.4028
44.97	0.1236	123.28	0.4199
38.98	0.1224	122.97	0.4259
33.99	0.1155	125.82	0.4461
33.96	0.1150	125.60	0.4555
26.83	0.1036	127.84	0.4691
21.88	0.0945	130.19	0.4883
21.90	0.0924	132.53	0.5115
16.69	0.0826	135.33	0.5418
11.74	0.0733	134.42	0.5477
11.77	0.0720	138.35	0.5810
5.05	0.0576	140.16	0.6091
0.02	0.0503	142.63	0.6442
-0.04	0.0387	145.78	0.6792
-0.02	0.0387	142.52	0.6964
-0.02	0.0393	0.22	0.3265
0.02	0.0396		

RADIAL DISPLACEMENT IN DOME AT $\Phi = 27.62$ DEGREES
 TRANSDUCER D0083 (CH 0202)
 AZ = 90 DEGREES V = 29 FT 1.2 IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 203

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0120
5.33	0.0002	19.55	0.0339
12.31	0.0117	29.57	0.0579
16.44	0.0198	39.42	0.0844
20.51	0.0308	49.16	0.1077
20.46	0.0358	54.50	0.1241
20.47	0.0380	59.57	0.1412
27.05	0.0553	64.20	0.1622
34.69	0.0823	69.32	0.1866
34.53	0.0901	74.16	0.2252
34.53	0.0917	80.16	0.2630
39.70	0.1043	85.61	0.2942
45.90	0.1265	90.58	0.3259
45.65	0.1334	95.69	0.3562
45.62	0.1348	100.92	0.3847
50.10	0.1451	103.25	0.4009
53.47	0.1558	106.11	0.4147
53.29	0.1597	108.31	0.4269
53.21	0.1607	111.08	0.4429
50.49	0.1626	113.24	0.4564
46.14	0.1618	117.83	0.4843
46.13	0.1595	120.92	0.5064
44.97	0.1552	123.28	0.5295
38.98	0.1500	122.97	0.5363
33.99	0.1424	125.82	0.5597
33.96	0.1416	125.60	0.5700
26.83	0.1269	127.84	0.5845
21.88	0.1158	130.19	0.6111
21.90	0.1134	132.53	0.6406
16.69	0.1012	135.33	0.6818
11.74	0.0874	134.42	0.6905
11.77	0.0856	138.35	0.7374
5.05	0.0691	140.16	0.7772
0.02	0.0592	142.63	0.8298
-0.04	0.0441	145.78	0.8799
-0.02	0.0440	142.52	0.9012
-0.02	0.0441	0.22	0.4433
0.02	0.0445		

RADIAL DISPLACEMENT IN DOME AT $\Phi = 48.79$ DEGREES
 TRANSDUCER D0084 (CH 0203)
 AZ = 90 DEGREES V = 32 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 204

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0066
5.33	-0.0034	19.55	0.0301
12.31	0.0101	29.57	0.0556
16.44	0.0191	39.42	0.0822
20.51	0.0309	49.16	0.1074
20.46	0.0357	54.50	0.1237
20.47	0.0382	59.57	0.1434
27.05	0.0551	64.20	0.1653
34.69	0.0830	69.32	0.1917
34.53	0.0923	74.16	0.2354
34.53	0.0942	80.16	0.2804
39.70	0.1075	85.61	0.3179
45.90	0.1293	90.58	0.3528
45.65	0.1353	95.69	0.3851
45.62	0.1360	100.92	0.4163
50.10	0.1471	103.25	0.4348
53.47	0.1588	106.11	0.4517
53.29	0.1624	108.31	0.4639
53.21	0.1632	111.08	0.4846
50.49	0.1650	113.24	0.4987
46.14	0.1656	117.83	0.5333
46.13	0.1653	120.92	0.5576
44.97	0.1632	123.28	0.5827
38.98	0.1555	122.97	0.5890
33.99	0.1478	125.82	0.6130
33.96	0.1477	125.60	0.6249
26.83	0.1334	127.84	0.6401
21.88	0.1227	130.19	0.6681
21.90	0.1223	132.53	0.7020
16.69	0.1092	135.33	0.7514
11.74	0.0955	134.42	0.7637
11.77	0.0941	138.35	0.8225
5.05	0.0760	140.16	0.8681
0.02	0.0653	142.63	0.9342
-0.04	0.0495	145.78	0.9934
-0.02	0.0497	142.52	1.0194
-0.02	0.0496	0.22	0.5363
0.02	0.0499		

RADIAL DISPLACEMENT IN DOME AT $\Phi = 68.72$ DEGREES
 TRANSDUCER D0085 (CH 0204)
 $\lambda = 90$ DEGREES $V = 33$ FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 205

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0459
5.33	0.0200	19.55	0.0689
12.31	0.0471	29.57	0.0898
16.44	0.0597	39.42	0.1132
20.51	0.0755	49.16	0.1355
20.46	0.0820	54.50	0.1506
20.47	0.0852	59.57	0.1662
27.05	0.1038	64.20	0.1884
34.69	0.1321	69.32	0.2128
34.53	0.1433	74.16	0.2519
34.53	0.1454	80.16	0.2964
39.70	0.1563	85.61	0.3300
45.90	0.1771	90.58	0.3618
45.65	0.1847	95.69	0.3933
45.62	0.1857	100.92	0.4214
50.10	0.1940	103.25	0.4397
53.47	0.2067	106.11	0.4555
53.29	0.2106	108.31	0.4666
53.21	0.2114	111.08	0.4892
50.49	0.2126	113.24	0.5026
46.14	0.2133	117.83	0.5323
46.13	0.2126	120.92	0.5566
44.97	0.2106	123.28	0.5810
38.98	0.2047	122.97	0.5877
33.99	0.1974	125.82	0.6094
33.96	0.1974	125.60	0.6216
26.83	0.1863	127.84	0.6364
21.88	0.1784	130.19	0.6634
21.90	0.1783	132.53	0.6978
16.69	0.1666	135.33	0.7441
11.74	0.1541	134.42	0.7569
11.77	0.1527	138.35	0.8118
5.05	0.1321	140.16	0.8584
0.02	0.0874	142.63	0.9253
-0.04	0.0676	145.78	0.9854
-0.02	0.0672	142.52	1.0119
-0.02	0.0672	0.22	0.5827
0.02	0.0676		

RADIAL DISPLACEMENT IN DOME AT $\Phi_i = 82.50$ DEGREES
 TRANSDUCER D0086 (CH0205)
 AZ = 0 DEGREES V = 34FT 10.87IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 206

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0110
5.33	-0.0004	19.55	0.0301
12.31	0.0087	29.57	0.0522
16.44	0.0136	39.42	0.0743
20.51	0.0211	49.16	0.0933
20.46	0.0236	54.50	0.1061
20.47	0.0244	59.57	0.1179
27.05	0.0411	64.20	0.1327
34.69	0.0659	69.32	0.1499
34.53	0.0728	74.16	0.1690
34.53	0.0747	80.16	0.1829
39.70	0.0873	85.61	0.1980
45.90	0.1054	90.58	0.2160
45.65	0.1067	95.69	0.2365
45.62	0.1080	100.92	0.2596
50.10	0.1161	103.25	0.2694
53.47	0.1243	106.11	0.2816
53.29	0.1249	108.31	0.2920
53.21	0.1255	111.08	0.3079
50.49	0.1263	113.24	0.3217
46.14	0.1265	117.83	0.3589
46.13	0.1264	120.92	0.3886
44.97	0.1211	123.28	0.4209
38.98	0.1126	122.97	0.4287
33.99	0.1059	125.82	0.4803
33.96	0.1060	125.60	0.4944
26.83	0.0918	127.84	0.5305
21.88	0.0842	130.19	0.6340
21.90	0.0846	132.53	0.7932
16.69	0.0749	135.33	0.9785
11.74	0.0655	134.42	1.0195
11.77	0.0654	138.35	1.2219
5.05	0.0480	140.16	1.3652
0.02	0.0419	142.63	1.5469
-0.04	0.0336	145.78	1.6852
-0.02	0.0337	142.52	1.7283
-0.02	0.0270	0.22	1.0883
0.02	0.0267		

RADIAL DISPLACEMENT OF CYLINDER WALL NEAR EQ-B
 TRANSDUCER D0087 (CH 0206)
 AZ = 134 DEGREES V = 12FT 11.9IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 207

STRUCTURAL INTEGRITY TEST

A correction of -0.0123 in. has been applied to each reading

Pressure (psig)	Displacement (inches)
-0.05	-0.0123
5.33	0.0071
12.31	0.0164
16.44	0.0205
20.51	0.0253
20.46	0.0255
20.47	0.0265
27.05	0.0356
34.69	0.0432
34.53	0.0446
34.53	0.0447
39.70	0.0493
45.90	0.0565
45.65	0.0639
45.62	0.0639
50.10	0.0665
53.47	0.0691
53.29	0.0693
53.21	0.0692
50.49	0.0699
46.14	0.0701
46.13	0.0701
44.98	0.0628
38.98	0.0672
33.99	0.0649
33.96	0.0650
26.83	0.0606
21.88	0.0573
21.90	0.0574
16.69	0.0509
11.74	0.0378
11.77	0.0442
5.05	0.0290
0.02	0.0045
-0.04	0.0010
-0.02	0.0011
-0.02	-0.0006
0.02	-0.0064
0.02	-0.0160

HIGH PRESSURE TEST

A correction of -0.0205 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
9.89	0.0144
19.55	0.0285
29.57	0.0372
39.42	0.0467
49.16	0.0526
54.50	0.0557
59.57	0.0586
64.20	0.0656
69.32	0.0713
74.16	0.0781
80.16	0.0848
85.61	0.0939
90.58	0.0999
95.69	0.1057
100.92	0.1154
103.25	0.1184
106.11	0.1219
108.31	0.1253
111.08	0.1300
113.24	0.1336
117.83	0.1437
120.92	0.1517
123.28	0.1576
122.97	0.1598
125.82	0.1684
125.60	0.1714
127.84	0.1766
130.19	0.1900
132.53	0.2073
135.33	0.2298
134.42	0.2341
138.35	0.2626
140.16	0.2859
142.63	0.3184
145.78	0.3543
142.52	0.3671
0.22	0.1693

MERIDIONAL DISPLACEMENT OF CYLINDER WALL BELOW EQ-B
 TRANSDUCER DC088 (CH 0207)
 AZ = 176 DEGREES V = 5FT 11.8IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 208

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

A correction of -0.0548 in. has been applied to each reading

A correction of -0.0572 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0547	9.89	0.0130
5.33	0.0078	19.55	0.0257
12.31	0.0180	29.57	0.0371
16.44	0.0217	39.42	0.0488
20.51	0.0261	49.16	0.0591
20.46	0.0284	54.50	0.0652
20.47	0.0294	59.57	0.0728
27.05	0.0359	64.20	0.0803
34.69	0.0501	69.32	0.0929
34.53	0.0533	74.16	0.1070
34.53	0.0542	80.16	0.1225
39.70	0.0614	85.61	0.1355
45.90	0.0734	90.58	0.1506
45.65	0.0757	95.69	0.1636
45.62	0.0758	100.92	0.1780
50.10	0.0805	103.25	0.1872
53.47	0.0868	106.11	0.1969
53.29	0.0876	108.31	0.2026
53.21	0.0879	111.08	0.2113
50.49	0.0898	113.24	0.2185
46.14	0.0900	117.83	0.2348
46.13	0.0900	120.92	0.2464
44.98	0.0858	123.28	0.2587
38.98	0.0816	122.97	0.2614
33.99	0.0785	125.82	0.2741
33.96	0.0786	125.60	0.2789
26.83	0.0717	127.84	0.2861
21.88	0.0687	130.19	0.3051
21.90	0.0688	132.53	0.3281
16.69	0.0629	135.33	0.3597
11.74	0.0569	134.42	0.3679
11.77	0.0568	138.35	0.4059
5.05	0.0414	140.16	0.4362
0.02	-0.0106	142.63	0.4818
-0.04	-0.0210	145.78	0.5255
-0.02	-0.0208	142.52	0.5434
-0.02	-0.0219	0.22	0.1790
0.02	-0.0216		
0.02	-0.0352		

MERIDIONAL DISPLACEMENT OF CYLINDER WALL BELOW EQ-B
 TRANSDUCER D0089 (CH 0208)
 AZ = 179 DEGREES V = 11FT 7.9IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 209

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0002	9.89	-0.0078
5.33	-0.0052	19.55	0.0029
12.31	-0.0027	29.57	0.0171
16.44	-0.0002	39.42	0.0313
20.51	0.0051	49.16	0.0437
20.46	0.0070	54.50	0.0528
20.47	0.0077	59.57	0.0609
27.05	0.0190	64.20	0.0694
34.69	0.0357	69.32	0.0803
34.53	0.0378	74.16	0.0899
34.53	0.0383	80.16	0.0918
39.70	0.0458	85.61	0.0989
45.90	0.0588	90.58	0.0999
45.65	0.0593	95.69	0.1056
45.62	0.0594	100.92	0.1162
50.10	0.0652	103.25	0.1196
53.47	0.0715	106.11	0.1239
53.29	0.0723	108.31	0.1275
53.21	0.0724	111.08	0.1362
50.49	0.0753	113.24	0.1455
46.14	0.0755	117.83	0.1604
46.13	0.0754	120.92	0.1769
44.97	0.0758	123.28	0.1894
38.98	0.0737	122.97	0.1921
33.99	0.0729	125.82	0.2151
33.96	0.0729	125.60	0.2213
26.83	0.0641	127.84	0.2391
21.88	0.0597	130.19	0.2814
21.90	0.0599	132.53	0.3499
16.69	0.0502	135.33	0.4513
11.74	0.0430	134.42	0.4814
11.77	0.0428	138.35	0.6327
5.05	0.0311	140.16	0.7598
0.02	0.0298	142.63	0.9414
-0.04	0.0293	145.78	1.1067
-0.02	0.0294	142.52	1.1662
-0.02	-0.0014	0.22	0.8607
0.02	0.0037		

RADIAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-B
 TRANSDUCER D0090 (CH 0209)
 AZ = 180 DEGREES V = 18FT 0.1IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 210

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	-0.0142
5.33	0.0000	19.55	-0.0139
12.31	0.0001	29.57	-0.0139
16.44	0.0001	39.42	-0.0138
20.51	0.0003	49.16	-0.0136
20.46	0.0004	54.50	-0.0138
20.47	0.0004	59.57	-0.0136
27.05	0.0006	64.20	-0.0135
34.69	0.0006	69.32	-0.0121
34.53	0.0006	74.16	0.0036
34.53	0.0007	80.16	0.0393
39.70	0.0007	85.61	0.0631
45.90	0.0006	90.58	0.0878
45.65	0.0004	95.69	0.1169
45.62	0.0004	100.92	0.1501
50.10	0.0004	103.25	0.1645
53.47	0.0004	106.11	0.1791
53.29	0.0001	108.31	0.1855
53.21	0.0000	111.08	0.2072
50.49	0.0000	113.24	0.2153
46.14	0.0001	117.83	0.2424
46.13	-0.0001	120.92	0.2699
44.97	0.0001	123.28	0.2812
38.98	0.0003	122.97	0.2878
33.99	0.0004	125.82	0.3032
33.96	0.0006	125.60	0.3077
26.83	0.0006	127.84	0.3119
21.88	0.0004	130.19	0.3419
21.90	0.0007	132.53	0.3605
16.69	0.0006	135.33	0.3947
11.74	0.0006	134.42	0.4126
11.77	0.0006	138.35	0.4538
5.05	0.0003	140.16	0.5112
0.02	0.0001	142.63	0.5859
-0.04	-0.0004	145.78	0.6781
-0.02	-0.0004	142.52	0.7199
-0.02	-0.0003	0.22	0.5150
0.02	0.0000		

MERIDIONAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-B
 TRANSDUCER D0091 (CH 0210)
 AZ = 177 DEGREES V = 3FT 3.8IN. V = 18FT 0.1IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 211

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0040
5.33	-0.0019	19.55	0.0177
12.31	0.0028	29.57	0.0283
16.44	0.0064	39.42	0.0467
20.51	0.0146	49.16	0.0596
20.46	0.0165	54.50	0.0703
20.47	0.0174	59.57	0.0791
27.05	0.0330	64.20	0.0916
34.69	0.0452	69.32	0.0993
34.53	0.0476	74.16	0.1107
34.53	0.0483	80.16	0.1152
39.70	0.0576	85.61	0.1209
45.90	0.0684	90.58	0.1221
45.65	0.0697	95.69	0.1305
45.62	0.0698	100.92	0.1385
50.10	0.0752	103.25	0.1438
53.47	0.0814	106.11	0.1489
53.29	0.0823	108.31	0.1535
53.21	0.0823	111.08	0.1637
50.49	0.0844	113.24	0.1693
46.14	0.0846	117.83	0.1816
46.13	0.0847	120.92	0.1959
44.97	0.0848	123.28	0.2083
38.98	0.0792	122.97	0.2104
33.99	0.0747	125.82	0.2289
33.96	0.0748	125.60	0.2371
26.83	0.0661	127.84	0.2458
21.88	0.0610	130.19	0.2818
21.90	0.0613	132.53	0.3307
16.69	0.0495	135.33	0.4157
11.74	0.0431	134.42	0.4418
11.77	0.0431	138.35	0.5712
5.05	0.0334	140.16	0.6920
0.02	0.0334	142.63	0.8761
-0.04	0.0322	145.78	1.0319
-0.02	0.0322	142.52	1.0902
-0.02	-0.0051	0.22	0.7670
0.02	0.0067		

RADIAL DISPLACEMENT OF CYLINDER WALL ABOVE EQ-B
 TRANSDUCER D0092 (CH 0211)
 AZ = 180 DEGREES V = 19FT 11.9IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 212

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0002
5.33	-0.0018	19.55	0.0283
12.31	0.0053	29.57	0.0785
16.44	0.0191	39.42	0.1045
20.51	0.0193	49.16	0.1371
20.46	0.0195	54.50	0.1455
20.47	0.0197	59.57	0.1455
27.05	0.0432	64.20	0.1461
34.69	0.0512	69.32	0.1765
34.53	0.0511	74.16	0.1816
34.53	0.0512	80.16	0.2078
39.70	0.0801	85.61	0.2200
45.90	0.0837	90.58	0.2329
45.65	0.0833	95.69	0.2444
45.62	0.0833	100.92	0.2682
50.10	0.0834	103.25	0.2922
53.47	0.1053	106.11	0.3017
53.29	0.1051	108.31	0.3076
53.21	0.1050	111.08	0.3192
50.49	0.1047	113.24	0.3337
46.14	0.1049	117.83	0.3506
46.13	0.1048	120.92	0.3733
44.97	0.1051	123.28	0.3864
38.98	0.1052	122.97	0.3865
33.99	0.1054	125.82	0.4170
33.96	0.1057	125.60	0.4171
26.83	0.1057	127.84	0.4273
21.88	0.1058	130.19	0.4418
21.90	0.1063	132.53	0.4633
16.69	0.0882	135.33	0.4904
11.74	0.0552	134.42	0.4911
11.77	0.0551	138.35	0.5211
5.05	0.0008	140.16	0.5410
0.02	-0.0230	142.63	0.5512
-0.04	-0.0243	145.78	0.5578
-0.02	-0.0240	142.52	0.5836
-0.02	-0.0514	0.22	0.3057
0.02	-0.0513		

MERIDIONAL DISPLACEMENT OF CYLINDER WALL AT SPRING LINE
 TRANSDUCER D0093 (CH 0212)
 AZ = 178 DEGREES V = 3FT 3.8IN V = 23FT 11.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 213

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
0.02	0.0011	0.22	0.0480
-0.02	-0.0200	142.52	0.2166
-0.02	0.0258	145.78	0.2059
-0.04	0.0272	142.63	0.1777
0.02	0.0245	140.16	0.1535
5.05	0.0359	138.35	0.1387
11.77	0.0360	134.42	0.1190
11.74	0.0423	135.33	0.1153
16.69	0.0484	132.53	0.1058
21.90	0.0482	130.19	0.0984
21.88	0.0498	127.84	0.0926
26.83	0.0592	125.60	0.0895
33.96	0.0591	125.82	0.0862
33.99	0.0599	122.97	0.0839
38.98	0.0577	123.28	0.0838
44.97	0.0578	120.92	0.0820
46.13	0.0578	117.83	0.0809
46.14	0.0578	113.24	0.0758
50.49	0.0525	111.08	0.0732
53.21	0.0524	108.31	0.0708
53.29	0.0515	106.11	0.0709
53.47	0.0477	103.25	0.0709
50.10	0.0450	100.92	0.0711
45.62	0.0450	95.69	0.0712
45.65	0.0438	90.58	0.0713
45.90	0.0348	85.61	0.0713
39.70	0.0314	80.16	0.0713
34.53	0.0314	74.16	0.0714
34.53	0.0301	69.32	0.0605
34.69	0.0182	64.20	0.0521
27.05	0.0096	59.57	0.0462
20.47	0.0085	54.50	0.0396
20.46	0.0075	49.16	0.0341
20.51	0.0031	39.42	0.0253
16.44	0.0023	29.57	0.0133
12.31	-0.0015	19.55	0.0041
5.33	0.0003	9.89	-0.0037
-0.05			(inches)
			Displacement

RADIAL DISPLACEMENT OF CYLINDER WALL AT SPRING LINE
 TRANSDUCER D0094 (CH 0213)
 AZ = 180 DEGREES V = 24FT 0.2IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 214

STRUCTURAL INTEGRITY TEST

A correction of 0.0006 in. has been applied to each reading

Pressure (psig)	Displacement (inches)
-0.05	0.0006
5.33	0.0013
12.31	0.0029
16.44	0.0039
20.51	0.0055
20.46	0.0062
20.47	0.0064
27.05	0.0099
34.69	0.0158
34.53	0.0168
34.53	0.0169
39.70	0.0192
45.90	0.0225
45.65	0.0229
45.62	0.0229
50.10	0.0247
53.47	0.0263
53.29	0.0263
53.21	0.0264
50.49	0.0272
46.14	0.0272
46.13	0.0272
44.98	0.0270
38.98	0.0271
33.99	0.0255
33.96	0.0255
26.83	0.0231
21.88	0.0218
21.90	0.0219
16.69	0.0194
11.74	0.0175
11.77	0.0174
5.05	0.0125
0.02	0.0123
-0.04	0.0121
-0.02	0.0122
-0.02	0.0122
0.02	0.0123
0.02	0.0067

HIGH PRESSURE TEST

A correction of 0.0036 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
9.89	0.0041
19.55	0.0082
29.57	0.0122
39.42	0.0156
49.16	0.0192
54.50	0.0217
59.57	0.0241
64.20	0.0273
69.32	0.0308
74.16	0.0351
80.16	0.0397
85.61	0.0439
90.58	0.0489
95.69	0.0544
100.92	0.0604
103.25	0.0632
106.11	0.0661
108.31	0.0687
111.08	0.0726
113.24	0.0801
117.83	0.0843
120.92	0.0902
123.28	0.0957
122.97	0.0974
125.82	0.1066
125.60	0.1092
127.84	0.1144
130.19	0.1257
132.53	0.1405
135.33	0.1597
134.42	0.1633
138.35	0.1864
140.16	0.2048
142.63	0.2312
145.78	0.2537
142.52	0.2612
0.22	0.1688

FREE FIELD MERIDIONAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0095 (CH 0214)
 AZ = 225 DEGREES V = 5FT 11.6IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 215

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0065
5.33	0.0037	19.55	0.0263
12.31	0.0117	29.57	0.0476
16.44	0.0152	39.42	0.0646
20.51	0.0240	49.16	0.0828
20.46	0.0239	54.50	0.0936
20.47	0.0239	59.57	0.1073
27.05	0.0328	64.20	0.1151
34.69	0.0539	69.32	0.1312
34.53	0.0549	74.16	0.1426
34.53	0.0552	80.16	0.1568
39.70	0.0697	85.61	0.1725
45.90	0.0785	90.58	0.1844
45.65	0.0804	95.69	0.1950
45.62	0.0809	100.92	0.2110
50.10	0.0996	103.25	0.2241
53.47	0.0993	106.11	0.2351
53.29	0.1000	108.31	0.2364
53.21	0.1001	111.08	0.2518
50.49	0.1052	113.24	0.2631
46.14	0.1055	117.83	0.2798
46.13	0.1057	120.92	0.2971
44.97	0.1051	123.28	0.3162
38.98	0.0984	122.97	0.3226
33.99	0.0934	125.82	0.3535
33.96	0.0936	125.60	0.3633
26.83	0.0799	127.84	0.3826
21.88	0.0713	130.19	0.4296
21.90	0.0717	132.53	0.4918
16.69	0.0614	135.33	0.5736
11.74	0.0518	134.42	0.5945
11.77	0.0515	138.35	0.6991
5.05	0.0356	140.16	0.7828
0.02	0.0336	142.63	0.9000
-0.04	0.0306	145.78	1.0008
-0.02	0.0306	142.52	1.0499
-0.02	-1.0309	0.22	0.7066
0.02	-1.0306		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0096 (CH 0215)
 AZ = 228 DEGREES V = 5 FT 11.8 IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 216

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0072
5.33	-0.0012	19.55	0.0305
12.31	0.0050	29.57	0.0553
16.44	0.0098	39.42	0.0795
20.51	0.0193	49.16	0.0999
20.46	0.0227	54.50	0.1127
20.47	0.0237	59.57	0.1284
27.05	0.0441	64.20	0.1431
34.69	0.0731	69.32	0.1604
34.53	0.0771	74.16	0.1758
34.53	0.0776	80.16	0.1988
39.70	0.0903	85.61	0.2189
45.90	0.1112	90.58	0.2361
45.65	0.1143	95.69	0.2577
45.62	0.1146	100.92	0.2836
50.10	0.1255	103.25	0.2967
53.47	0.1364	106.11	0.3121
53.29	0.1381	108.31	0.3249
53.21	0.1385	111.08	0.3447
50.49	0.1408	113.24	0.3617
46.14	0.1410	117.83	0.4047
46.13	0.1410	120.92	0.4415
44.97	0.1388	123.28	0.4795
38.98	0.1300	122.97	0.4895
33.99	0.1218	125.82	0.5495
33.96	0.1218	125.60	0.5666
26.83	0.1050	127.84	0.6040
21.88	0.0963	130.19	0.6991
21.90	0.0962	132.53	0.8279
16.69	0.0813	135.33	0.9840
11.74	0.0687	134.42	1.0248
11.77	0.0685	138.35	1.2163
5.05	0.0497	140.16	1.3666
0.02	0.0455	142.63	1.5680
-0.04	0.0414	145.78	1.7376
-0.02	0.0415	142.52	1.8056
-0.02	-1.0206	0.22	1.3050
0.02	-1.0202		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0097 (CH 0216)
 AZ = 228 DEGREES V = 8FT 6.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 217

STRUCTURAL INTEGRITY TEST

A correction of 0.0089 in. has been applied to each reading

Pressure (psig)	Displacement (inches)
-0.05	0.0011
5.33	0.0034
12.31	0.0077
16.44	0.0098
20.51	0.0126
20.46	0.0137
20.47	0.0142
27.05	0.0194
34.69	0.0283
34.53	0.0311
34.53	0.0312
39.70	0.0347
45.90	0.0408
45.65	0.0420
45.62	0.0420
50.10	0.0450
53.47	0.0484
53.29	0.0489
53.21	0.0489
50.49	0.0513
46.14	0.0515
46.13	0.0515
44.98	0.0496
38.98	0.0481
33.99	0.0455
33.96	0.0453
26.83	0.0411
21.88	0.0388
21.90	0.0391
16.69	0.0343
11.74	0.0298
11.77	0.0297
5.05	0.0221
0.02	0.0252
-0.04	0.0245
-0.02	0.0245
-0.02	0.0248
0.02	0.0252
0.02	0.0225

HIGH PRESSURE TEST

A correction of 0.0016 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
9.89	0.0073
19.55	0.0145
29.57	0.0215
39.42	0.0280
49.16	0.0348
54.50	0.0384
59.57	0.0425
64.20	0.0475
69.32	0.0529
74.16	0.0599
80.16	0.0680
85.61	0.0750
90.58	0.0826
95.69	0.0908
100.92	0.0990
103.25	0.1034
106.11	0.1086
108.31	0.1119
111.08	0.1164
113.24	0.1230
117.83	0.1301
120.92	0.1376
123.28	0.1435
122.97	0.1457
125.82	0.1545
125.60	0.1576
127.84	0.1630
130.19	0.1739
132.53	0.1906
135.33	0.2065
134.42	0.2100
138.35	0.2319
140.16	0.2481
142.63	0.2678
145.78	0.2845
142.52	0.2889
0.22	0.1681

FREE FIELD MERIDIONAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0098 (CH 0217)
 AZ = 227 DEGREES V = 10FT 11.7IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 218

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0128
5.33	-0.0001	19.55	0.0343
12.31	0.0075	29.57	0.0575
16.44	0.0122	39.42	0.0817
20.51	0.0207	49.16	0.1030
20.46	0.0241	54.50	0.1164
20.47	0.0255	59.57	0.1295
27.05	0.0449	64.20	0.1470
34.69	0.0728	69.32	0.1626
34.53	0.0768	74.16	0.1793
34.53	0.0770	80.16	0.2012
39.70	0.0902	85.61	0.2229
45.90	0.1107	90.58	0.2361
45.65	0.1142	95.69	0.2589
45.62	0.1146	100.92	0.2837
50.10	0.1260	103.25	0.2980
53.47	0.1361	106.11	0.3128
53.29	0.1386	108.31	0.3252
53.21	0.1394	111.08	0.3453
50.49	0.1420	113.24	0.3619
46.14	0.1420	117.83	0.4050
46.13	0.1420	120.92	0.4428
44.97	0.1369	123.28	0.4820
38.98	0.1288	122.97	0.4933
33.99	0.1206	125.82	0.5571
33.96	0.1207	125.60	0.5773
26.83	0.1053	127.84	0.6189
21.88	0.0977	130.19	0.7321
21.90	0.0973	132.53	0.8899
16.69	0.0835	135.33	1.0784
11.74	0.0713	134.42	1.1253
11.77	0.0711	138.35	1.3434
5.05	0.0544	140.16	1.5078
0.02	0.0501	142.63	1.7183
-0.04	0.0460	145.78	1.8875
-0.02	0.0461	142.52	1.9525
-0.02	0.0337	0.22	1.4761
0.02	0.0284		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0099 (CH 0218)
 AZ = 228 DEGREES V = 11FT 2.5IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 219

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0066
5.33	-0.0018	19.55	0.0253
12.31	0.0026	29.57	0.0458
16.44	0.0052	39.42	0.0707
20.51	0.0153	49.16	0.0921
20.46	0.0182	54.50	0.1060
20.47	0.0192	59.57	0.1193
27.05	0.0375	64.20	0.1342
34.69	0.0669	69.32	0.1506
34.53	0.0701	74.16	0.1668
34.53	0.0703	80.16	0.1865
39.70	0.0836	85.61	0.2051
45.90	0.1052	90.58	0.2177
45.65	0.1084	95.69	0.2392
45.62	0.1089	100.92	0.2628
50.10	0.1197	103.25	0.2761
53.47	0.1310	106.11	0.2897
53.29	0.1330	108.31	0.3038
53.21	0.1336	111.08	0.3209
50.49	0.1363	113.24	0.3370
46.14	0.1371	117.83	0.3773
46.13	0.1372	120.92	0.4101
44.97	0.1345	123.28	0.4468
38.98	0.1261	122.97	0.4554
33.99	0.1190	125.82	0.5125
33.96	0.1191	125.60	0.5280
26.83	0.1050	127.84	0.5680
21.88	0.0982	130.19	0.6732
21.90	0.0980	132.53	0.8247
16.69	0.0829	135.33	1.0161
11.74	0.0720	134.42	1.0650
11.77	0.0720	138.35	1.2811
5.05	0.0553	140.16	1.4445
0.02	0.0507	142.63	1.6552
-0.04	0.0475	145.78	1.8145
-0.02	0.0476	142.52	1.8750
-0.02	0.0281	0.22	1.4324
0.02	0.0301		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0100 (CH 0219)
 AZ = 228 DEGREES V = 13FT 0.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 220

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0074
5.33	-0.0020	19.55	0.0229
12.31	0.0020	29.57	0.0431
16.44	0.0050	39.42	0.0662
20.51	0.0144	49.16	0.0872
20.46	0.0208	54.50	0.0993
20.47	0.0227	59.57	0.1124
27.05	0.0394	64.20	0.1270
34.69	0.0663	69.32	0.1411
34.53	0.0701	74.16	0.1539
34.53	0.0704	80.16	0.1735
39.70	0.0814	85.61	0.1892
45.90	0.1021	90.58	0.1982
45.65	0.1044	95.69	0.2146
45.62	0.1048	100.92	0.2363
50.10	0.1163	103.25	0.2475
53.47	0.1267	106.11	0.2611
53.29	0.1289	108.31	0.2707
53.21	0.1296	111.08	0.2877
50.49	0.1325	113.24	0.3013
46.14	0.1321	117.83	0.3335
46.13	0.1319	120.92	0.3604
44.97	0.1320	123.28	0.3898
38.98	0.1240	122.97	0.3967
33.99	0.1174	125.82	0.4398
33.96	0.1176	125.60	0.4527
26.83	0.1030	127.84	0.4831
21.88	0.0981	130.19	0.5699
21.90	0.0980	132.53	0.7066
16.69	0.0817	135.33	0.8840
11.74	0.0714	134.42	0.9298
11.77	0.0713	138.35	1.1467
5.05	0.0578	140.16	1.3090
0.02	0.0549	142.63	1.5153
-0.04	0.0520	145.78	1.6744
-0.02	0.0523	142.52	1.7320
-0.02	0.0259	0.22	1.3198
0.02	0.0287		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER DC101 (CH 0220)
 AZ = 228 DEGREES V = 15FT 4.9IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 221

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0091
5.33	0.0035	19.55	0.0314
12.31	0.0160	29.57	0.0492
16.44	0.0204	39.42	0.0718
20.51	0.0347	49.16	0.0901
20.46	0.0388	54.50	0.0997
20.47	0.0405	59.57	0.1123
27.05	0.0588	64.20	0.1258
34.69	0.0861	69.32	0.1407
34.53	0.0893	74.16	0.1517
34.53	0.0896	80.16	0.1664
39.70	0.0980	85.61	0.1802
45.90	0.1176	90.58	0.1838
45.65	0.1198	95.69	0.1999
45.62	0.1201	100.92	0.2171
50.10	0.1298	103.25	0.2253
53.47	0.1392	106.11	0.2358
53.29	0.1404	108.31	0.2444
53.21	0.1405	111.08	0.2607
50.49	0.1424	113.24	0.2695
46.14	0.1426	117.83	0.2956
46.13	0.1425	120.92	0.3179
44.97	0.1427	123.28	0.3366
38.98	0.1370	122.97	0.3422
33.99	0.1309	125.82	0.3723
33.96	0.1310	125.60	0.3808
26.83	0.1188	127.84	0.3996
21.88	0.1122	130.19	0.4557
21.90	0.1121	132.53	0.5519
16.69	0.0972	135.33	0.6944
11.74	0.0873	134.42	0.7317
11.77	0.0872	138.35	0.9222
5.05	0.0679	140.16	1.0812
0.02	0.0554	142.63	1.2975
-0.04	0.0510	145.78	1.4674
-0.02	0.0510	142.52	1.5318
-0.02	0.0175	0.22	1.0972
0.02	0.0339		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0102 (CH 0221)
 AZ = 228 DEGREES V = 17FT 11.1IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 222

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0062
5.33	-0.0030	19.55	0.0211
12.31	0.0034	29.57	0.0394
16.44	0.0073	39.42	0.0588
20.51	0.0150	49.16	0.0759
20.46	0.0186	54.50	0.0880
20.47	0.0197	59.57	0.0987
27.05	0.0375	64.20	0.1127
34.69	0.0608	69.32	0.1246
34.53	0.0641	74.16	0.1350
34.53	0.0642	80.16	0.1503
39.70	0.0742	85.61	0.1620
45.90	0.0899	90.58	0.1652
45.65	0.0921	95.69	0.1754
45.62	0.0923	100.92	0.1905
50.10	0.1017	103.25	0.1990
53.47	0.1098	106.11	0.2084
53.29	0.1111	108.31	0.2165
53.21	0.1114	111.08	0.2290
50.49	0.1145	113.24	0.2394
46.14	0.1147	117.83	0.2614
46.13	0.1147	120.92	0.2784
44.97	0.1140	123.28	0.2933
38.98	0.1071	122.97	0.2966
33.99	0.1016	125.82	0.3141
33.96	0.1016	125.60	0.3212
26.83	0.0897	127.84	0.3345
21.88	0.0829	130.19	0.3705
21.90	0.0830	132.53	0.4324
16.69	0.0722	135.33	0.5366
11.74	0.0631	134.42	0.5662
11.77	0.0630	138.35	0.7140
5.05	0.0492	140.16	0.8486
0.02	0.0467	142.63	1.0470
-0.04	0.0415	145.78	1.2166
-0.02	0.0415	142.52	1.2829
-0.02	0.0025	0.22	0.8584
0.02	0.0207		

FREE FIELD RADIAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0103 (CH 0222)
 AZ = 227 DEGREES V = 20FT 0.8IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 223

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

A correction of -0.0510 in. has been applied to each reading

A correction of -0.0839 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0513	9.89	0.0039
5.33	0.0404	19.55	0.0077
12.31	0.0933	29.57	0.0216
16.44	0.0987	39.42	0.0354
20.51	0.1040	49.16	0.0490
20.46	0.1058	54.50	0.0602
20.47	0.1058	59.57	0.0673
27.05	0.1123	64.20	0.0787
34.69	0.1262	69.32	0.0915
34.53	0.1316	74.16	0.1067
34.53	0.1317	80.16	0.1263
39.70	0.1366	85.61	0.1443
45.90	0.1475	90.58	0.1606
45.65	0.1523	95.69	0.1786
45.62	0.1523	100.92	0.1964
50.10	0.1577	103.25	0.2066
53.47	0.1638	106.11	0.2171
53.29	0.1658	108.31	0.2243
53.21	0.1658	111.08	0.2344
50.49	0.1719	113.24	0.2436
46.14	0.1719	117.83	0.2606
46.13	0.1719	120.92	0.2738
44.98	0.1722	123.28	0.2877
38.98	0.1717	122.97	0.2921
33.99	0.1674	125.82	0.3046
33.96	0.1676	125.60	0.3080
26.83	0.1590	127.84	0.3154
21.88	0.1544	130.19	0.3267
21.90	0.1546	132.53	0.3378
16.69	0.1469	135.33	0.3582
11.74	0.1451	134.42	0.3623
11.77	0.1449	138.35	0.3953
5.05	0.1275	140.16	0.4253
0.02	0.0534	142.63	0.4711
-0.04	0.0385	145.78	0.5146
-0.02	0.0386	142.52	0.5320
-0.02	0.0227	0.22	-0.0491
0.02	0.0272		
0.02	0.0119		

FREE FIELD MERIDIONAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0104 (CH 0223)
 AZ = 222 DEGREES V = 17FT 1.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER

CHANNEL 224

STRUCTURAL INTEGRITY TEST

A correction of -0.0035 in. has been applied to each reading

Pressure (psig)	Displacement (inches)
-0.05	-0.0035
5.33	0.0044
12.31	0.0101
16.44	0.0137
20.51	0.0212
20.46	0.0255
20.47	0.0263
27.05	0.0370
34.69	0.0569
34.53	0.0626
34.53	0.0637
39.70	0.0714
45.90	0.0829
45.65	0.0859
45.62	0.0859
50.10	0.0972
53.47	0.1049
53.29	0.1058
53.21	0.1058
50.49	0.1143
46.14	0.1144
46.13	0.1143
44.98	0.1094
38.98	0.1060
33.99	0.1011
33.96	0.1011
26.83	0.0891
21.88	0.0825
21.90	0.0811
16.69	0.0753
11.74	0.0679
11.77	0.0675
5.05	0.0436
0.02	0.0487
-0.04	0.0379
-0.02	0.0379
-0.02	0.0383
0.02	0.0391
0.02	0.0211

HIGH PRESSURE TEST

A correction of 0.0044 in. has been applied to each reading.

Pressure (psig)	Displacement (inches)
9.89	0.0201
19.55	0.0398
29.57	0.0532
39.42	0.0716
49.16	0.0851
54.50	0.0968
59.57	0.1041
64.20	0.1146
69.32	0.1314
74.16	0.1500
80.16	0.1656
85.61	0.1849
90.58	0.2092
95.69	0.2293
100.92	0.2530
103.25	0.2633
106.11	0.2714
108.31	0.2832
111.08	0.2996
113.24	0.3077
117.83	0.3323
120.92	0.3488
123.28	0.3671
122.97	0.3753
125.82	0.3958
125.60	0.4018
127.84	0.4146
130.19	0.4319
132.53	0.4562
135.33	0.4849
134.42	0.4896
138.35	0.5199
140.16	0.5476
142.63	0.5859
145.78	0.6241
142.52	0.6365
0.22	0.3016

FREE FIELD MERIDIONAL DISPLACEMENT OF CYLINDER WALL
 TRANSDUCER D0105 (CH 0224)
 AZ = 225 DEGREES V = 23FT 11.2IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 225

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0077
5.33	-0.0001	19.55	0.0229
12.31	0.0054	29.57	0.0400
16.44	0.0095	39.42	0.0561
20.51	0.0165	49.16	0.0728
20.46	0.0194	54.50	0.0825
20.47	0.0206	59.57	0.0917
27.05	0.0351	64.20	0.1032
34.69	0.0551	69.32	0.1118
34.53	0.0602	74.16	0.1196
34.53	0.0612	80.16	0.1371
39.70	0.0701	85.61	0.1532
45.90	0.0835	90.58	0.1602
45.65	0.0846	95.69	0.1756
45.62	0.0845	100.92	0.1945
50.10	0.0919	103.25	0.2038
53.47	0.0992	106.11	0.2139
53.29	0.1001	108.31	0.2226
53.21	0.1001	111.08	0.2366
50.49	0.1026	113.24	0.2464
46.14	0.1025	117.83	0.2704
46.13	0.1025	120.92	0.2925
44.97	0.1005	123.28	0.3105
38.98	0.0935	122.97	0.3149
33.99	0.0875	125.82	0.3405
33.96	0.0877	125.60	0.3487
26.83	0.0768	127.84	0.3667
21.88	0.0706	130.19	0.4137
21.90	0.0709	132.53	0.4919
16.69	0.0621	135.33	0.6237
11.74	0.0544	134.42	0.6607
11.77	0.0541	138.35	0.8458
5.05	0.0404	140.16	0.9998
0.02	0.0387	142.63	1.2081
-0.04	0.0296	145.78	1.3812
-0.02	0.0287	142.52	1.4424
-0.02	0.0128	0.22	0.9648
0.02	0.0168		

RADIAL DISPLACEMENT OF CYLINDER WALL
 26 DEGREES FROM CONSTRAINED PENETRATION
 TRANSDUCER D0106 (CH 0225)
 AZ = 289 DEGREES V = 20FT 1.11N.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 226

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0106
5.33	0.0025	19.55	0.0236
12.31	0.0108	29.57	0.0356
16.44	0.0138	39.42	0.0523
20.51	0.0190	49.16	0.0688
20.46	0.0226	54.50	0.0760
20.47	0.0241	59.57	0.0852
27.05	0.0379	64.20	0.0953
34.69	0.0545	69.32	0.1021
34.53	0.0581	74.16	0.1068
34.53	0.0593	80.16	0.1250
39.70	0.0721	85.61	0.1383
45.90	0.0859	90.58	0.1464
45.65	0.0870	95.69	0.1596
45.62	0.0868	100.92	0.1735
50.10	0.0912	103.25	0.1807
53.47	0.0970	106.11	0.1882
53.29	0.0977	108.31	0.1975
53.21	0.0976	111.08	0.2072
50.49	0.1002	113.24	0.2138
46.14	0.1004	117.83	0.2303
46.13	0.1002	120.92	0.2452
44.97	0.0984	123.28	0.2564
38.98	0.0924	122.97	0.2595
33.99	0.0876	125.82	0.2776
33.96	0.0877	125.60	0.2845
26.83	0.0760	127.84	0.2951
21.88	0.0715	130.19	0.3227
21.90	0.0718	132.53	0.3730
16.69	0.0594	135.33	0.4620
11.74	0.0541	134.42	0.4912
11.77	0.0538	138.35	0.6435
5.05	0.0420	140.16	0.7701
0.02	0.0403	142.63	0.9453
-0.04	0.0319	145.78	1.1068
-0.02	0.0318	142.52	1.1687
-0.02	0.0250	0.22	0.5954
0.02	0.0232		

RADIAL DISPLACEMENT OF CYLINDER WALL
 11 DEGREES FROM CONSTRAINED PENETRATION
 TRANSDUCER D0107 (CH 0226)
 AZ = 304 DEGREES V = 20FT 1.4IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 227

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0072
5.33	-0.0012	19.55	0.0229
12.31	0.0061	29.57	0.0361
16.44	0.0096	39.42	0.0508
20.51	0.0151	49.16	0.0679
20.46	0.0179	54.50	0.0765
20.47	0.0190	59.57	0.0827
27.05	0.0348	64.20	0.0947
34.69	0.0515	69.32	0.1016
34.53	0.0567	74.16	0.1070
34.53	0.0579	80.16	0.1246
39.70	0.0665	85.61	0.1404
45.90	0.0803	90.58	0.1508
45.65	0.0816	95.69	0.1637
45.62	0.0815	100.92	0.1817
50.10	0.0880	103.25	0.1903
53.47	0.0940	106.11	0.1979
53.29	0.0944	108.31	0.2048
53.21	0.0944	111.08	0.2174
50.49	0.0961	113.24	0.2230
46.14	0.0963	117.83	0.2407
46.13	0.0964	120.92	0.2586
44.97	0.0957	123.28	0.2708
38.98	0.0907	122.97	0.2748
33.99	0.0844	125.82	0.2920
33.96	0.0845	125.60	0.3022
26.83	0.0734	127.84	0.3110
21.88	0.0672	130.19	0.3414
21.90	0.0674	132.53	0.3880
16.69	0.0586	135.33	0.4786
11.74	0.0512	134.42	0.5098
11.77	0.0510	138.35	0.6522
5.05	0.0398	140.16	0.7751
0.02	0.0383	142.63	0.9557
-0.04	0.0268	145.78	1.1179
-0.02	0.0271	142.52	1.1808
-0.02	0.0229	0.22	0.8572
0.02	0.0215		

RADIAL DISPLACEMENT OF CYLINDER WALL AT CONSTRAINED PENETRATION
 TRANSDUCER D0108 (CH 0227)
 AZ = 311 DEGREES V = 20FT 1.5IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 228

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0007	9.89	-0.0003
5.33	0.0021	19.55	0.0128
12.31	0.0049	29.57	0.0273
16.44	0.0098	39.42	0.0430
20.51	0.0165	49.16	0.0585
20.46	0.0188	54.50	0.0584
20.47	0.0197	59.57	0.0676
27.05	0.0342	64.20	0.0807
34.69	0.0520	69.32	0.0890
34.53	0.0556	74.16	0.0978
34.53	0.0566	80.16	0.1139
39.70	0.0659	85.61	0.1267
45.90	0.0776	90.58	0.1409
45.65	0.0783	95.69	0.1553
45.62	0.0783	100.92	0.1729
50.10	0.0858	103.25	0.1793
53.47	0.0917	106.11	0.1973
53.29	0.0919	108.31	0.1939
53.21	0.0918	111.08	0.2039
50.49	0.0939	113.24	0.2099
46.14	0.0940	117.83	0.2254
46.13	0.0940	120.92	0.2424
44.97	0.0950	123.28	0.2569
38.98	0.0921	122.97	0.2600
33.99	0.0881	125.42	0.2816
33.96	0.0880	125.60	0.2900
26.83	0.0772	127.84	0.3075
21.88	0.0716	130.10	0.3471
21.90	0.0719	132.50	0.4176
16.69	0.0619	135.33	0.5498
11.74	0.0539	134.42	0.5875
11.77	0.0537	138.35	0.7774
5.05	0.0407	140.16	0.9256
0.02	0.0391	142.63	1.1316
-0.04	0.0326	145.78	1.2988
-0.02	0.0330	142.52	1.3529
-0.02	0.0340	0.22	0.9855
0.02	0.0314

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

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DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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24

REDUCTION

RADIAL DISPLACEMENT OF CYLINDER WALL
BELOW CONSTRAINED PENETRATION
TRANSDUCER D0109 (CH 0228)
AZ = 315 DEGREES V = 13FT 0.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 229

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0022	9.89	-0.0061
5.33	0.0061	19.55	0.0108
12.31	0.0081	29.57	0.0264
16.44	0.0127	39.42	0.0429
20.51	0.0200	49.16	0.0584
20.46	0.0222	54.50	0.0600
20.47	0.0234	59.57	0.0712
27.05	0.0378	64.20	0.0802
34.69	0.0548	69.32	0.0900
34.53	0.0590	74.16	0.0970
34.53	0.0600	80.16	0.1014
39.70	0.0686	85.61	0.1150
45.90	0.0804	90.58	0.1264
45.65	0.0815	95.69	0.1471
45.62	0.0815	100.92	0.1642
50.10	0.0883	103.25	0.1724
53.47	0.0941	106.11	0.1800
53.29	0.0945	108.31	0.1857
53.21	0.0950	111.08	0.1973
50.49	0.0965	113.24	0.2035
46.14	0.0965	117.83	0.2204
46.13	0.0964	120.92	0.2359
44.97	0.0969	123.28	0.2481
38.98	0.0962	122.97	0.2537
33.99	0.0911	125.82	0.2544
33.96	0.0912	125.60	0.2570
26.83	0.0790	127.84	0.2782
21.88	0.0750	130.19	0.3170
21.90	0.0754	132.53	0.3731
16.69	0.0656	135.33	0.4920
11.74	0.0591	134.42	0.5312
11.77	0.0589	138.35	0.6815
5.05	0.0466	140.16	0.8322
0.02	0.0444	142.63	1.0152
-0.04	0.0366	145.78	1.1946
-0.02	0.0369	142.52	1.2654
-0.02	0.0305	0.22	0.9011
0.02	0.0333		

RADIAL DISPLACEMENT OF CYLINDER WALL
 BELOW CONSTRAINED PENETRATION
 TRANSDUCER D0110 (CH 0229)
 AZ = 315 DEGREES V = 17FT 10.3IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 230

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0006	9.89	-0.0013
5.33	0.0006	19.55	-0.0012
12.31	0.0016	29.57	-0.0011
16.44	0.0017	39.42	-0.0011
20.51	0.0014	49.16	-0.0009
20.46	0.0011	54.50	-0.0044
20.47	0.0011	59.57	-0.0040
27.05	0.0014	64.20	-0.0030
34.69	0.0011	69.32	-0.0028
34.53	0.0012	74.16	-0.0017
34.53	0.0014	80.16	-0.0020
39.70	0.0016	85.61	-0.0020
45.90	0.0014	90.58	-0.0019
45.65	0.0015	95.69	-0.0016
45.62	0.0016	100.92	-0.0013
50.10	0.0017	103.25	-0.0013
53.47	0.0018	106.11	-0.0012
53.29	0.0020	108.31	-0.0011
53.21	0.0020	111.08	-0.0012
50.49	0.0021	113.24	-0.0011
46.14	0.0020	117.83	-0.0010
46.13	0.0020	120.92	-0.0008
44.97	0.0011	123.28	-0.0005
38.98	0.0011	122.97	-0.0003
33.99	0.0011	125.82	-0.0001
33.96	0.0008	125.60	-0.0004
26.83	0.0007	127.84	-0.0003
21.88	0.0007	130.19	-0.0003
21.90	0.0007	132.53	-0.0001
16.69	0.0007	135.33	0.0000
11.74	0.0008	134.42	0.0000
11.77	0.0010	138.35	0.0002
5.05	0.0012	140.16	0.0001
0.02	0.0015	142.63	-0.0001
-0.04	0.0013	145.78	-0.0002
-0.02	-0.0003	142.52	-0.0007
-0.02	0.0002	0.22	-0.0012
0.02	0.0012		

UPLIFT OF BASEMAT FROM MUDMAT
 TRANSDUCER D0111 (CH 0230)
 AZ = 0 DEGREES

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 231

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0011	9.89	-0.0033
5.33	0.0028	19.55	-0.0021
12.31	0.0038	29.57	-0.0010
16.44	0.0038	39.42	0.0005
20.51	0.0032	49.16	0.0008
20.46	0.0028	54.50	-0.0030
20.47	0.0013	59.57	-0.0007
27.05	0.0021	64.20	-0.0010
34.69	0.0025	69.32	0.0010
34.53	0.0022	74.16	0.0028
34.53	0.0019	80.16	-0.0022
39.70	0.0034	85.61	-0.0022
45.90	0.0041	90.58	-0.0010
45.65	0.0048	95.69	0.0018
45.62	0.0050	100.92	0.0031
50.10	0.0053	103.25	0.0033
53.47	0.0056	106.11	0.0034
53.29	0.0061	108.31	0.0034
53.21	0.0065	111.08	0.0038
50.49	0.0066	113.24	0.0040
46.14	0.0065	117.83	0.0167
46.13	0.0065	120.92	0.0205
44.97	0.0062	123.28	0.0206
38.98	0.0059	122.97	0.0210
33.99	0.0046	125.82	0.0132
33.96	0.0036	125.60	0.0112
26.83	0.0025	127.84	0.0142
21.88	0.0022	130.19	0.0172
21.90	0.0019	132.53	0.0231
16.69	0.0030	135.33	0.0292
11.74	0.0024	134.42	0.0310
11.77	0.0037	138.35	0.0225
5.05	0.0041	140.16	0.0301
0.02	0.0044	142.63	0.0477
-0.04	0.0055	145.78	0.0774
-0.02	0.0052	142.52	0.0859
-0.02	0.0049	0.22	0.0845
0.02	0.0037		

UPLIFT OF BASEMAT FROM MUDMAT
 TRANSDUCER D0112 (CH 0231)
 AZ = 90 DEGREES

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 232

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0002	9.89	-0.0006
5.33	0.0009	19.55	-0.0007
12.31	0.0011	29.57	-0.0004
16.44	0.0013	39.42	-0.0003
20.51	0.0011	49.16	-0.0001
20.46	0.0010	54.50	-0.0029
20.47	0.0010	59.57	-0.0024
27.05	0.0011	64.20	-0.0011
34.69	0.0011	69.32	-0.0001
34.53	0.0011	74.16	0.0014
34.53	0.0011	80.16	0.0011
39.70	0.0016	85.61	0.0011
45.90	0.0020	90.58	0.0011
45.65	0.0025	95.69	0.0012
45.62	0.0026	100.92	0.0015
50.10	0.0029	103.25	0.0015
53.47	0.0031	106.11	0.0015
53.29	0.0036	108.31	0.0016
53.21	0.0037	111.08	0.0015
50.49	0.0038	113.24	0.0015
46.14	0.0037	117.83	0.0016
46.13	0.0037	120.92	0.0017
44.97	0.0023	123.28	0.0021
38.98	0.0023	122.97	0.0023
33.99	0.0022	125.82	0.0025
33.96	0.0021	125.60	0.0023
26.83	0.0017	127.84	0.0023
21.88	0.0014	130.19	0.0022
21.90	0.0012	132.53	0.0023
16.69	0.0011	135.33	0.0023
11.74	0.0010	134.42	0.0023
11.77	0.0011	138.35	0.0025
5.05	0.0011	140.16	0.0025
0.02	0.0013	142.63	0.0023
-0.04	0.0001	145.78	0.0022
-0.02	0.0007	142.52	0.0018
-0.02	0.0008	0.22	0.0008
0.02	0.0009		

UPLIFT OF BASEMAT FROM MUDMAT
 TRANSDUCER D0113 (CH 0232)
 AZ = 225 DEGREES

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 233

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0304	9.89	-0.0892
5.33	0.0784	19.55	-0.0459
12.31	0.1095	29.57	0.0203
16.44	0.1155	39.42	0.1034
20.51	0.1236	49.16	0.1428
20.46	0.1270	54.50	0.0550
20.47	0.1297	59.57	0.1496
27.05	0.1439	64.20	0.1739
34.69	0.1784	69.32	0.2401
34.53	0.1824	74.16	0.3171
34.53	0.1872	80.16	0.2507
39.70	0.2041	85.61	0.3178
45.90	0.2432	90.58	0.4023
45.65	0.2547	95.69	0.5151
45.62	0.2581	100.92	0.6158
50.10	0.3074	103.25	0.6448
53.47	0.3318	106.11	0.6793
53.29	0.3462	108.31	0.7198
53.21	0.3581	111.08	0.7928
50.49	0.3658	113.24	0.8415
46.14	0.3671	117.83	0.9732
46.13	0.3658	120.92	1.0820
44.97	0.6074	123.28	1.1631
38.98	0.6095	122.97	1.2084
33.99	0.6007	125.82	1.1354
33.96	0.6014	125.60	1.1273
26.83	0.5779	127.84	1.2969
21.88	0.5597	130.19	1.5563
21.90	0.5568	132.53	1.9692
16.69	0.5365	135.33	2.5644
11.74	0.5081	134.42	2.7692
11.77	0.5063	138.35	3.2439
5.05	0.4894	140.16	4.0345
0.02	0.4624	142.63	4.8236
-0.04	0.4475	145.78	5.7392
-0.02	0.4446	142.52	6.1986
-0.02	0.4428	0.22	4.9257
0.02	0.4189		

CIRCUMFERENTIAL GROWTH NEAR CYLINDER MID-HEIGHT
 TRANSDUCER D0114 (CH 0233)
 AZ = 243 DEGREES V = 7 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 234

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0115	9.89	-0.0319
5.33	0.0338	19.55	-0.0333
12.31	0.0330	29.57	-0.0123
16.44	0.0384	39.42	0.0181
20.51	0.0404	49.16	0.0492
20.46	0.0397	54.50	-0.0508
20.47	0.0384	59.57	-0.0130
27.05	0.0532	64.20	0.0546
34.69	0.0769	69.32	0.0931
34.53	0.0816	74.16	0.1526
34.53	0.0842	80.16	0.2424
39.70	0.1071	85.61	0.2850
45.90	0.1456	90.58	0.3404
45.65	0.1544	95.69	0.4147
45.62	0.1625	100.92	0.4965
50.10	0.1956	103.25	0.5336
53.47	0.2200	106.11	0.5749
53.29	0.2294	108.31	0.6059
53.21	0.2342	111.08	0.6728
50.49	0.2384	113.24	0.7323
46.14	0.2416	117.83	0.8465
46.13	0.2377	120.92	0.9370
44.97	0.2532	123.28	1.0478
38.98	0.2519	122.97	1.1242
33.99	0.2526	125.82	1.2499
33.96	0.2499	125.60	1.3005
26.83	0.2472	127.84	1.4046
21.88	0.2377	130.19	1.7363
21.90	0.2382	132.53	2.3404
16.69	0.2242	135.33	3.1708
11.74	0.2139	134.42	3.3904
11.77	0.2125	138.35	4.5984
5.05	0.2024	140.16	5.6240
0.02	0.1909	142.63	6.8876
-0.04	0.1708	145.78	8.0936
-0.02	0.1715	142.52	8.5800
-0.02	0.1681	0.22	7.2975
0.02	0.1681		

CIRCUMFERENTIAL GROWTH NEAR CYLINDER MID-HEIGHT
 TRANSDUCER D0115 (CH 0234)

AZ = 275 DEGREES V = 16FT 2.6IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 235

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0130
5.33	0.0002	19.55	-0.0132
12.31	0.0005	29.57	-0.0130
16.44	0.0009	39.42	-0.0128
20.51	0.0010	49.16	-0.0127
20.46	0.0010	54.50	-0.0127
20.47	0.0012	59.57	-0.0126
27.05	0.0011	64.20	-0.0121
34.69	0.0010	69.32	-0.0107
34.53	0.0010	74.16	-0.0085
34.53	0.0011	80.16	-0.0090
39.70	0.0009	85.61	-0.0091
45.90	0.0007	90.58	-0.0090
45.65	0.0004	95.69	-0.0091
45.62	0.0004	100.92	-0.0090
50.10	0.0002	103.25	-0.0091
53.47	0.0001	106.11	-0.0091
53.29	-0.0001	108.31	-0.0091
53.21	-0.0001	111.08	-0.0091
50.49	0.0005	113.24	-0.0091
46.14	0.0008	117.83	-0.0091
46.13	0.0008	120.92	-0.0091
44.97	0.0017	123.28	-0.0090
38.98	0.0038	122.97	-0.0090
33.99	0.0036	125.82	-0.0083
33.96	0.0038	125.60	-0.0083
26.83	0.0053	127.84	-0.0082
21.88	0.0051	130.19	-0.0082
21.90	0.0051	132.53	-0.0081
16.69	0.0056	135.33	-0.0080
11.74	0.0048	134.42	-0.0079
11.77	0.0046	138.35	-0.0078
5.05	0.0022	140.16	-0.0079
0.02	0.0021	142.63	-0.0080
-0.04	0.0028	145.78	-0.0081
-0.02	0.0030	142.52	-0.0083
-0.02	-0.0133	0.22	-0.0057
0.02	-0.0054		

RELATIVE MOTION BETWEEN PLATFORM AND REFERENCE COLUMN
DISPLACEMENT PERPENDICULAR TO COLUMN AXIS

TRANSDUCER D0116 (CH 0235)

AZ = 180 DEGREES V = 11FT 3.8IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 236

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure	Displacement	Pressure	Displacement
(psig)	(inches)	(psig)	(inches)
No SIT data			
This gage was added after SIT			

19.55	9.89
29.57	39.42
49.16	54.50
59.57	64.20
69.32	74.16
80.16	85.61
90.58	95.69
100.92	103.25
106.11	108.31
111.08	113.24
117.83	120.92
123.28	122.97
125.82	125.60
127.84	130.19
132.53	135.33
134.42	138.35
140.16	142.63
145.78	142.52
142.52	0.22

RELATIVE MOTION BETWEEN PLATFORM AND REFERENCE COLUMN
 DISPLACEMENT PERPENDICULAR TO COLUMN AXIS
 TRANSDUCER D0117 (CH 0236)
 AZ = 270 DEGREES V = 11FT 3.8IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 237

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
No SIT data		9.89	0.0011
This gage was added after SIT		19.55	0.0037
		29.57	0.0058
		39.42	0.0078
		49.16	0.0098
		54.50	0.0113
		59.57	0.0131
		64.20	0.0147
		69.32	0.0165
		74.16	0.0184
		80.16	0.0226
		85.61	0.0248
		90.58	0.0270
		95.69	0.0298
		100.92	0.0324
		103.25	0.0340
		106.11	0.0355
		108.31	0.0367
		111.08	0.0383
		113.24	0.0397
		117.83	0.0425
		120.92	0.0446
		123.28	0.0463
		122.97	0.0462
		125.82	0.0478
		125.60	0.0484
		127.84	0.0498
		130.19	0.0523
		132.53	0.0546
		135.33	0.0587
		134.42	0.0599
		138.35	0.0654
		140.16	0.0718
		142.63	0.0806
		145.78	0.0911
		142.52	0.0945
		0.22	0.0429

CIRCUMFERENTIAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0118 (CH 0237)
 AZ = 0 DEGREES V = 11FT 1.3IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 238

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
No SIT data		9.89	0.0007
This gage was added after SIT		19.55	0.0018
		29.57	0.0028
		39.42	0.0036
		49.16	0.0044
		54.50	0.0047
		59.57	0.0052
		64.20	0.0056
		69.32	0.0060
		74.16	0.0065
		80.16	0.0084
		85.61	0.0093
		90.58	0.0101
		95.69	0.0111
		100.92	0.0123
		103.25	0.0129
		106.11	0.0135
		108.31	0.0140
		111.08	0.0148
		113.24	0.0154
		117.83	0.0170
		120.92	0.0182
		123.28	0.0192
		122.97	0.0193
		125.82	0.0206
		125.60	0.0207
		127.84	0.0215
		130.19	0.0232
		132.53	0.0253
		135.33	0.0291
		134.42	0.0305
		138.35	0.0430
		140.16	0.0622
		142.63	0.0949
		145.78	0.1164
		142.52	0.1229
		0.22	0.0875

CIRCUMFERENTIAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0119 (CH 0238)
 AZ = 20 DEGREES V = 12FT 7.4IN.

REINFORCED CONCRETE TEST DATA

POTENTICMETER CHANNEL 239

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
No SIT data		9.89	0.0005
This gage was added after SIT		19.55	0.0012
		29.57	0.0021
		39.42	0.0033
		49.16	0.0043
		54.50	0.0049
		59.57	0.0057
		64.20	0.0058
		69.32	0.0068
		74.16	0.0072
		80.16	0.0100
		85.61	0.0108
		90.58	0.0114
		95.69	0.0122
		100.92	0.0131
		103.25	0.0135
		106.11	0.0139
		108.31	0.0142
		111.08	0.0147
		113.24	0.0151
		117.83	0.0159
		120.92	0.0166
		123.28	0.0169
		122.97	0.0168
		125.82	0.0174
		125.60	0.0174
		127.84	0.0182
		130.19	0.0203
		132.53	0.0259
		135.33	0.0367
		134.42	0.0385
		138.35	0.0456
		140.16	0.0505
		142.63	0.0569
		145.78	0.0619
		142.52	0.0633
		0.22	0.0468

CIRCUMFERENTIAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0120 (CH 0239)
 AZ = 69 DEGREES V = 11FT 8.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 240

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
No SIT data		9.89	-0.0007
This gage was added after SIT		19.55	-0.0014
		29.57	-0.0021
		39.42	-0.0027
		49.16	-0.0033
		54.50	-0.0036
		59.57	-0.0039
		64.20	-0.0046
		69.32	-0.0048
		74.16	-0.0059
		80.16	-0.0065
		85.61	-0.0068
		90.58	-0.0072
		95.69	-0.0077
		100.92	-0.0084
		103.25	-0.0087
		106.11	-0.0090
		108.31	-0.0095
		111.08	-0.0099
		113.24	-0.0104
		117.83	-0.0114
		120.92	-0.0120
		123.28	-0.0129
		122.97	-0.0132
		125.82	-0.0141
		125.60	-0.0146
		127.84	-0.0152
		130.19	-0.0166
		132.53	-0.0185
		135.33	-0.0214
		134.42	-0.0229
		138.35	-0.0265
		140.16	-0.0285
		142.63	-0.0312
		145.78	-0.0335
		142.52	-0.0348
		0.22	-0.0262

MERIDIONAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0121 (CH 0240)
 AZ = 95 DEGREES V = 1FT 2.3IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 241

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
No SIT data		9.89	0.0003
This gage was added after SIT		19.55	0.0008
		29.57	0.0014
		39.42	0.0019
		49.16	0.0023
		54.50	0.0025
		59.57	0.0027
		64.20	0.0030
		69.32	0.0031
		74.16	0.0032
		80.16	0.0038
		85.61	0.0040
		90.58	0.0042
		95.69	0.0043
		100.92	0.0044
		103.25	0.0045
		106.11	0.0045
		108.31	0.0045
		111.08	0.0046
		113.24	0.0047
		117.83	0.0046
		120.92	0.0046
		123.28	0.0045
		122.97	0.0044
		125.82	0.0043
		125.60	0.0043
		127.84	0.0042
		130.19	0.0039
		132.53	0.0034
		135.33	0.0029
		134.42	0.0027
		138.35	0.0022
		140.16	0.0021
		142.63	0.0016
		145.78	0.0016
		142.52	0.0015
		0.22	-0.0021

MERIDIONAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0122 (CH 0241)
 AZ = 141 DEGREES V = 22FT 5.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 242

STRUCTURAL INTEGRITY TEST

Pressure (psig)	Displacement (inches)
No SIT data	
This gage was added after SIT	

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)
9.89	0.0012
19.55	0.0026
29.57	0.0040
39.42	0.0054
49.16	0.0066
54.50	0.0073
59.57	0.0081
64.20	0.0089
69.32	0.0098
74.16	0.0104
80.16	0.0123
85.61	0.0133
90.58	0.0143
95.69	0.0156
100.92	0.0168
103.25	0.0176
106.11	0.0184
108.31	0.0191
111.08	0.0203
113.24	0.0213
117.83	0.0242
120.92	0.0268
123.28	0.0300
122.97	0.0306
125.82	0.0375
125.60	0.0393
127.84	0.0444
130.19	0.0538
132.53	0.0633
135.33	0.0732
134.42	0.0747
138.35	0.0822
140.16	0.0874
142.63	0.0943
145.78	0.1003
142.52	0.1019
0.22	0.0800

CIRCUMFERENTIAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0123 (CH 0242)
 AZ = 144 DEGREES V = 14FT 7.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 243

STRUCTURAL INTEGRITY TEST

Pressure Displacement
(psig) (inches)
No SIT data
This gage was added after SIT

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)
9.89	0.0008
19.55	0.0023
29.57	0.0038
39.42	0.0053
49.16	0.0066
54.50	0.0073
59.57	0.0081
64.20	0.0090
69.32	0.0098
74.16	0.0107
80.16	0.0127
85.61	0.0139
90.58	0.0151
95.69	0.0167
100.92	0.0181
103.25	0.0188
106.11	0.0195
108.31	0.0200
111.08	0.0208
113.24	0.0213
117.83	0.0224
120.92	0.0233
123.28	0.0239
122.97	0.0240
125.82	0.0247
125.60	0.0249
127.84	0.0253
130.19	0.0260
132.53	0.0267
135.33	0.0272
134.42	0.0271
138.35	0.0273
140.16	0.0275
142.63	0.0278
145.78	0.0283
142.52	0.0280
0.22	0.0084

CIRCUMFERENTIAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0124 (CH 0243)
 AZ = 180 DEGREES V = 10FT 10.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 244

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
No SIT data		9.89	-0.0002
This gage was added after SIT		19.55	-0.0004
		29.57	-0.0006
		39.42	-0.0008
		49.16	-0.0011
		54.50	-0.0012
		59.57	-0.0013
		64.20	-0.0014
		69.32	-0.0016
		74.16	-0.0019
		80.16	-0.0018
		85.61	-0.0021
		90.58	-0.0020
		95.69	-0.0023
		100.92	-0.0027
		103.25	-0.0027
		106.11	-0.0030
		108.31	-0.0032
		111.08	-0.0034
		113.24	-0.0037
		117.83	-0.0044
		120.92	-0.0049
		123.28	-0.0061
		122.97	-0.0065
		125.82	-0.0073
		125.60	-0.0075
		127.84	-0.0080
		130.19	-0.0082
		132.53	-0.0092
		135.33	-0.0107
		134.42	-0.0102
		138.35	-0.0132
		140.16	-0.0163
		142.63	-0.0194
		145.78	-0.0212
		142.52	-0.0220
		0.22	-0.0160

MERIDIONAL DISPLACEMENT OVER CRACK DEVELOPED DURING SIT
 TRANSDUCER D0125 (CH 0244)
 AZ = 270 DEGREES V = 1FT 11.0IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 257

STRUCTURAL INTEGRITY TEST

Pressure (psig) Displacement (inches)
 No SIT data
 This gage was added after SIT

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)
9.89	-0.0025
19.55	0.0245
29.57	0.0525
39.42	0.0810
49.16	0.1088
54.50	0.1125
59.57	0.1371
64.20	0.1621
69.32	0.1936
74.16	0.2415
80.16	0.2606
85.61	0.2929
90.58	0.3333
95.69	0.3745
100.92	0.4091
103.25	0.4281
106.11	0.4432
108.31	0.4558
111.08	0.4737
113.24	0.4860
117.83	0.5136
120.92	0.5385
123.28	0.5633
122.97	0.5713
125.82	0.5620
125.60	0.5659
127.84	0.5960
130.19	0.6309
132.53	0.6607
135.33	0.7170
134.42	0.7379
138.35	0.7515
140.16	0.8045
142.63	0.8437
145.78	0.9082
142.52	0.9436
0.22	0.4626

RADIAL DISPLACEMENT IN DOME AT $\Phi = 58.46$ DEGREES
 TRANSDUCER D0138 (CH 0257)
 AZ = 90 DEGREES V = 33FT 4.5IN.

REINFORCED CONCRETE TEST DATA

POTENTIOMETER CHANNEL 258

STRUCTURAL INTEGRITY TEST

Pressure Displacement
(psig) (inches)
No SIT data
This gage was added after SIT

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)
9.89	-0.0046
19.55	0.0169
29.57	0.0421
39.42	0.0706
49.16	0.0931
54.50	0.0955
59.57	0.1202
64.20	0.1410
69.32	0.1708
74.16	0.2174
80.16	0.2416
85.61	0.2763
90.58	0.3142
95.69	0.3544
100.92	0.3893
103.25	0.4094
106.11	0.4236
108.31	0.4351
111.08	0.4544
113.24	0.4686
117.83	0.4988
120.92	0.5213
123.28	0.5447
122.97	0.5530
125.82	0.5410
125.60	0.5448
127.84	0.5714
130.19	0.6042
132.53	0.6370
135.33	0.6959
134.42	0.7170
138.35	0.7339
140.16	0.7902
142.63	0.8359
145.78	0.9030
142.52	0.9371
0.22	0.4946

RADIAL DISPLACEMENT IN DOME AT $\Phi = 77.56$ DEGREES
 TRANSDUCER D0139 (CH 0258)
 AZ = 90 DEGREES V = 34 FT 8.9 IN.

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SANDIA NATIONAL LABS

**IMAGE EVALUATION
TEST TARGET (MT-3)**

6'

Photographic Sciences Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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AT

24

REDUCTION

Displacement, LVDT

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 122

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0003	9.89	0.0038
5.33	0.0010	9.55	0.0074
12.31	0.0018	29.57	0.0135
16.44	0.0034	39.42	0.0202
20.51	0.0042	49.16	0.0249
20.46	0.0048	54.50	0.0277
20.47	0.0057	59.57	0.0323
27.05	0.0094	64.20	0.0383
34.69	0.0156	69.32	0.0449
34.53	0.0165	74.16	0.0512
34.53	0.0165	80.16	0.0593
39.70	0.0191	85.61	0.0696
45.90	0.0235	90.58	0.0805
45.65	0.0235	95.69	0.0920
45.62	0.0235	100.92	0.1046
50.10	0.0268	103.25	0.1148
53.47	0.0305	106.11	0.1194
53.29	0.0308	108.31	0.1245
53.21	0.0308	111.08	0.1353
50.49	0.0320	113.24	0.1401
46.14	0.0328	117.83	0.1541
46.13	0.0330	120.92	0.1727
44.97	0.0355	123.28	0.1847
38.98	0.0356	122.97	0.1867
33.89	0.0349	125.82	0.1994
33.96	0.0350	125.60	0.2027
26.83	0.0340	127.84	0.2186
21.88	0.0311	130.19	0.2289
21.90	0.0313	132.53	0.2551
16.69	0.0268	135.33	0.2908
11.74	0.0225	134.42	0.2973
11.77	0.0216	138.35	0.3465
5.05	0.0151	140.16	0.3850
0.02	0.0105	142.63	0.4338
-0.04	0.0058	145.78	0.4866
-0.02	0.0075	142.52	0.5088
-0.02	0.0081	0.22	0.3680
0.02	0.0079		

LOCAL DISPLACEMENT AT EQ-A
 VERTICAL DIAPHYETER AT SEALING SURFACE
 TRANSDUCER D0003 (CH 0122)
 AZ = 2 DEGREES Z = 0 FT 40 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 123

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0006
5.33	0.0004	19.55	0.0007
12.31	0.0009	29.57	-0.0002
16.44	0.0008	39.42	-0.0060
20.51	0.0011	49.16	-0.0102
20.46	0.0011	54.50	-0.0153
20.47	0.0011	59.57	-0.0183
27.05	0.0012	64.20	-0.0255
34.69	-0.0063	69.32	-0.0302
34.53	-0.0062	74.16	-0.0388
34.53	-0.0063	80.16	-0.0593
39.70	-0.0120	85.61	-0.0726
45.90	-0.0179	90.58	-0.0858
45.65	-0.0178	95.69	-0.1028
45.62	-0.0179	100.92	-0.1210
50.10	-0.0230	103.25	-0.1311
53.47	-0.0275	106.11	-0.1409
53.29	-0.0300	108.31	-0.1482
53.21	-0.0300	111.08	-0.1589
50.49	-0.0342	113.24	-0.1685
46.14	-0.0343	117.83	-0.1902
46.13	-0.0342	120.92	-0.2081
44.97	-0.0346	123.28	-0.2199
38.98	-0.0346	122.97	-0.2215
33.99	-0.0348	125.82	-0.2383
33.96	-0.0347	125.60	-0.2411
26.83	-0.0347	127.84	-0.2518
21.88	-0.0349	130.19	-0.2736
21.90	-0.0345	132.53	-0.3017
16.69	-0.0347	135.33	-0.3429
11.74	-0.0345	134.42	-0.3552
11.77	-0.0345	138.35	-0.4044
5.05	-0.0332	140.16	-0.4527
0.02	-0.0290	142.63	-0.5086
-0.04	-0.0281	145.78	-0.5659
-0.02	-0.0281	142.52	-0.5969
-0.02	-0.0277	0.22	-0.4520
0.02	-0.0244		

LOCAL DISPLACEMENT AT E0-A
 HORIZONTAL DIAMETER AT SEALING SURFACE
 TRANSDUCER D0004 (CH 0123)
 AZ = 270 DEGREES Z = 0FT 40IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 124

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0037	9.89	0.0078
5.33	0.0075	19.55	0.0160
12.31	0.0105	29.57	0.0250
16.44	0.0020	39.42	0.0330
20.51	0.0042	49.16	0.0406
20.46	-0.0140	54.50	0.0452
20.47	-0.0110	59.57	0.0510
27.05	0.0055	64.20	0.0595
34.69	0.0013	69.32	0.0679
34.53	-0.0133	74.16	0.0771
34.53	-0.0098	80.16	0.0849
39.70	0.0025	85.61	0.0975
45.90	0.0012	90.58	0.1110
45.65	-0.0108	95.69	0.1248
45.62	-0.0086	100.92	0.1417
50.10	0.0018	103.25	0.1501
53.47	0.0041	106.11	0.1587
53.29	-0.0082	108.31	0.1656
53.21	-0.0078	111.08	0.1774
50.49	-0.0033	113.24	0.1854
46.14	0.0022	117.83	0.2064
46.13	-0.0015	120.92	0.2224
44.97	-0.0006	123.28	0.2376
38.98	0.0061	122.97	0.2413
33.99	0.0053	125.82	0.2553
33.96	-0.0091	125.60	0.2611
26.83	0.0067	127.84	0.2727
21.88	0.0080	130.19	0.2912
21.90	-0.0090	132.53	0.3176
16.69	0.0031	135.33	0.3523
11.74	0.0048	134.42	0.3618
11.77	-0.0086	138.35	0.4071
5.05	0.0048	140.16	0.4439
0.02	0.0067	142.63	0.4982
-0.04	0.0258	145.78	0.5472
-0.02	0.0095	142.52	0.5646
-0.02	0.0134	0.22	0.3121
0.02	0.0108		

LOCAL DISPLACEMENT AT EQ-A
 VERTICAL DIAMETER AT WALL MID-PLANE
 TRANSDUCER D0005 (CH 0124)
 AZ = 0 DEGREES Z = 0 FT 11.25 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 125

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0002
5.33	0.0001	19.55	-0.0011
12.31	0.0002	29.57	-0.0049
16.44	0.0004	39.42	-0.0099
20.51	0.0007	49.16	-0.0158
20.46	0.0009	54.50	-0.0185
20.47	0.0010	59.57	-0.0225
27.05	0.0006	64.20	-0.0273
34.69	-0.0053	69.32	-0.0331
34.53	-0.0052	74.16	-0.0401
34.53	-0.0056	80.16	-0.0586
39.70	-0.0099	85.61	-0.0699
45.90	-0.0170	90.58	-0.0819
45.65	-0.0186	95.69	-0.0970
45.62	-0.0188	100.92	-0.1126
50.10	-0.0220	105.25	-0.1209
53.47	-0.0253	106.11	-0.1288
53.29	-0.0280	108.31	-0.1350
53.21	-0.0287	111.08	-0.1453
50.49	-0.0291	113.24	-0.1537
46.14	-0.0292	117.83	-0.1723
46.13	-0.0292	120.92	-0.1861
44.97	-0.0294	123.28	-0.1950
38.98	-0.0295	122.97	-0.1957
33.99	-0.0298	125.82	-0.2088
33.96	-0.0297	125.60	-0.2121
26.83	-0.0298	127.84	-0.2199
21.88	-0.0299	130.19	-0.2370
21.90	-0.0299	132.53	-0.2584
16.69	-0.0299	135.33	-0.2905
11.74	-0.0302	134.42	-0.2991
11.77	-0.0305	138.35	-0.3414
5.05	-0.0307	140.16	-0.3764
0.02	-0.0308	142.63	-0.4235
-0.04	-0.0310	145.78	-0.4701
-0.02	-0.0306	142.52	-0.4975
-0.02	-0.0309	0.22	-0.3264
0.02	-0.0310		

LOCAL DISPLACEMENT AT EQ-A
 HORIZONTAL DIAMETER AT WALL MID-PLANE
 TRANSDUCER D0006 (CH 0125)
 AZ = 270 DEGREES Z = 0 FT 11.10 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 126

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0031
5.33	-0.0007	19.55	-0.0073
12.31	-0.0010	29.57	-0.0103
16.44	-0.0018	39.42	-0.0105
20.51	-0.0030	49.16	-0.0107
20.46	-0.0031	54.50	-0.0107
20.47	-0.0031	59.57	-0.0108
27.05	-0.0065	64.20	-0.0109
34.69	-0.0115	69.32	-0.0110
34.53	-0.0116	74.16	-0.0111
34.53	-0.0116	79.16	-0.0113
39.70	-0.0145	84.16	-0.0114
45.90	-0.0150	89.16	-0.0114
45.65	-0.0149	94.16	-0.0115
45.62	-0.0149	99.16	-0.0116
50.10	-0.0151	104.16	-0.0116
53.47	-0.0151	109.16	-0.0117
53.29	-0.0151	114.16	-0.0117
53.21	-0.0151	119.16	-0.0117
50.49	-0.0147	124.16	-0.0118
46.14	-0.0146	129.16	-0.0119
46.13	-0.0147	134.16	-0.0120
44.97	-0.0146	139.16	-0.0120
38.98	-0.0145	144.16	-0.0120
33.99	-0.0144	149.16	-0.0120
33.96	-0.0145	154.16	-0.0120
26.83	-0.0143	159.16	-0.0119
21.88	-0.0143	164.16	-0.0121
21.90	-0.0143	169.16	-0.0121
16.69	-0.0143	174.16	-0.0122
11.74	-0.0122	179.16	-0.0122
11.77	-0.0122	184.16	-0.0124
5.05	-0.0078	189.16	-0.0128
0.02	-0.0041	194.16	-0.0129
-0.04	-0.0039	199.16	-0.0131
-0.02	-0.0038	204.16	-0.0131
-0.02	-0.0037	209.16	-0.0096
0.02	-0.0037		

LOCAL DISPLACEMENT AT EQ-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0007 (CH 0126)
 AZ = 180 DEGREES Z = 0 FT .05 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 127

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0032
5.33	-0.0011	19.55	-0.0068
12.31	-0.0015	29.57	-0.0105
16.44	-0.0021	39.42	-0.0145
20.51	-0.0031	49.16	-0.0174
20.46	-0.0031	54.50	-0.0191
20.47	-0.0031	59.57	-0.0212
27.05	-0.0059	64.20	-0.0238
34.69	-0.0102	69.32	-0.0268
34.53	-0.0103	74.16	-0.0303
34.53	-0.0103	80.16	-0.0365
39.70	-0.0129	85.61	-0.0418
45.90	-0.0162	90.58	-0.0471
45.65	-0.0164	95.69	-0.0531
45.62	-0.0164	100.92	-0.0591
50.10	-0.0188	103.25	-0.0647
53.47	-0.0207	106.11	-0.0661
53.29	-0.0207	108.31	-0.0680
53.21	-0.0207	111.08	-0.0743
50.49	-0.0214	113.24	-0.0754
46.14	-0.0215	117.83	-0.0804
46.13	-0.0214	120.92	-0.0907
44.97	-0.0215	123.28	-0.0937
38.98	-0.0217	122.97	-0.0938
33.99	-0.0219	125.82	-0.1012
33.96	-0.0219	125.60	-0.1013
26.83	-0.0214	127.84	-0.1090
21.88	-0.0189	130.19	-0.1119
21.90	-0.0189	132.53	-0.1229
16.69	-0.0155	135.33	-0.1378
11.74	-0.0121	134.42	-0.1386
11.77	-0.0121	138.35	-0.1639
5.05	-0.0081	140.16	-0.1860
0.02	-0.0044	142.63	-0.2040
-0.04	-0.0039	145.78	-0.2254
-0.02	-0.0037	142.52	-0.2371
-0.02	-0.0037	0.22	-0.1939
0.02	-0.0036		

LOCAL DISPLACEMENT AT EQ-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0008 (CH 0127)
 AZ = 180 DEGREES Z = 0 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 128

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0050
5.33	0.0016	19.55	0.0077
12.31	0.0026	29.57	0.0099
16.44	0.0029	39.42	0.0117
20.51	0.0035	49.16	0.0133
20.46	0.0035	54.50	0.0142
20.47	0.0036	59.57	0.0158
27.05	0.0052	64.20	0.0178
34.69	0.0078	69.32	0.0206
34.53	0.0080	74.16	0.0244
34.53	0.0081	80.16	0.0306
39.70	0.0093	85.61	0.0368
45.90	0.0112	90.58	0.0431
45.65	0.0114	95.69	0.0504
45.62	0.0114	100.92	0.0586
50.10	0.0129	103.25	0.0629
53.47	0.0141	106.11	0.0672
53.29	0.0142	108.31	0.0707
53.21	0.0143	111.08	0.0761
50.49	0.0148	113.24	0.0803
46.14	0.0148	117.83	0.0904
46.13	0.0149	120.92	0.0981
44.97	0.0148	123.28	0.1051
38.98	0.0147	122.97	0.1062
33.99	0.0148	125.82	0.1150
33.96	0.0147	125.60	0.1168
26.83	0.0143	127.84	0.1227
21.88	0.0133	130.19	0.1340
21.90	0.0134	132.53	0.1486
16.69	0.0114	135.33	0.1683
11.74	0.0092	134.42	0.1731
11.77	0.0092	138.35	0.2007
5.05	0.0062	140.16	0.2235
0.02	0.0031	142.63	0.2550
-0.04	0.0027	145.78	0.2843
-0.02	0.0023	142.52	0.3011
-0.02	0.0023	0.22	0.2216
0.02	0.0023		

LOCAL DISPLACEMENT AT EQ-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0009 (CH 0128)
 AZ = 270 DEGREES Z = 0 FT 0.1 IN.

 

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STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0053
5.33	0.0020	19.55	0.0079
12.31	0.0033	29.57	0.0098
16.44	0.0035	39.42	0.0115
20.51	0.0042	49.16	0.0132
20.46	0.0043	54.50	0.0139
20.47	0.0042	59.57	0.0155
27.05	0.0055	64.20	0.0175
34.69	0.0080	69.32	0.0199
34.53	0.0083	74.16	0.0234
34.53	0.0082	80.16	0.0294
39.70	0.0093	85.61	0.0353
45.90	0.0110	90.58	0.0414
45.65	0.0113	95.69	0.0485
45.62	0.0114	100.92	0.0562
50.10	0.0126	103.25	0.0606
53.47	0.0137	106.11	0.0646
53.29	0.0140	108.31	0.0679
53.21	0.0140	111.08	0.0731
50.49	0.0148	113.24	0.0771
46.14	0.0149	117.83	0.0868
46.13	0.0149	120.92	0.0942
44.97	0.0148	123.28	0.1009
38.98	0.0149	122.97	0.1021
33.99	0.0150	125.82	0.1106
33.96	0.0150	125.60	0.1122
26.83	0.0147	127.84	0.1179
21.88	0.0138	130.19	0.1286
21.90	0.0138	132.53	0.1426
16.69	0.0121	135.33	0.1618
11.74	0.0100	134.42	0.1665
11.77	0.0100	138.35	0.1933
5.05	0.0069	140.16	0.2154
0.02	0.0031	142.63	0.2463
-0.04	0.0027	145.78	0.2748
-0.02	0.0022	142.52	0.2911
-0.02	0.0021	0.22	0.2168
0.02	0.0019		

LOCAL DISPLACEMENT AT EQ-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0010 (CH 0129)
 AZ = 270 DEGREES Z = 0 FT 1.2 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 130

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0042
5.33	-0.0028	19.55	-0.0057
12.31	-0.0036	29.57	-0.0103
16.44	-0.0039	39.42	-0.0147
20.51	-0.0049	49.16	-0.0179
20.46	-0.0049	54.50	-0.0188
20.47	-0.0048	59.57	-0.0221
27.05	-0.0086	64.20	-0.0253
34.69	-0.0136	69.32	-0.0297
34.53	-0.0135	74.16	-0.0317
34.53	-0.0136	80.16	-0.0375
39.70	-0.0164	85.61	-0.0434
45.90	-0.0201	90.58	-0.0492
45.65	-0.0201	95.69	-0.0558
45.62	-0.0200	100.92	-0.0624
50.10	-0.0228	103.25	-0.0692
53.47	-0.0249	106.11	-0.0713
53.29	-0.0250	108.31	-0.0736
53.21	-0.0250	111.08	-0.0791
50.49	-0.0260	113.24	-0.0817
46.14	-0.0261	117.83	-0.0884
46.13	-0.0261	120.92	-0.0989
44.97	-0.0261	123.28	-0.1052
38.98	-0.0260	122.97	-0.1053
33.99	-0.0259	125.82	-0.1110
33.96	-0.0259	125.60	-0.1110
26.83	-0.0254	127.84	-0.1222
21.88	-0.0235	130.19	-0.1271
21.90	-0.0235	132.53	-0.1407
16.69	-0.0198	135.33	-0.1600
11.74	-0.0157	134.42	-0.1613
11.77	-0.0156	138.35	-0.1840
5.05	-0.0086	140.16	-0.1981
0.02	-0.0018	142.63	-0.2201
-0.04	-0.0016	145.78	-0.2518
-0.02	-0.0015	142.52	-0.2629
-0.02	-0.0014	0.22	-0.1856
0.02	-0.0013		

LOCAL DISPLACEMENT AT EQ-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER 00011 (CH 0130)
 AZ = 0 DEGREES Z = 0 FT 20 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 131

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	-0.0045
5.33	-0.0029	19.55	-0.0058
12.31	-0.0041	29.57	-0.0100
16.44	-0.0044	39.42	-0.0141
20.51	-0.0052	49.16	-0.0167
20.46	-0.0052	54.50	-0.0174
20.47	-0.0051	59.57	-0.0204
27.05	-0.0084	64.20	-0.0234
34.69	-0.0129	69.32	-0.0275
34.53	-0.0129	74.16	-0.0294
34.53	-0.0129	80.16	-0.0351
39.70	-0.0154	85.61	-0.0411
45.90	-0.0187	90.58	-0.0467
45.65	-0.0187	95.69	-0.0533
45.62	-0.0188	100.92	-0.0598
50.10	-0.0212	103.25	-0.0666
53.47	-0.0231	106.11	-0.0687
53.29	-0.0232	108.31	-0.0711
53.21	-0.0232	111.08	-0.0766
50.49	-0.0244	113.24	-0.0791
46.14	-0.0244	117.83	-0.0860
46.13	-0.0244	120.92	-0.0964
44.97	-0.0246	123.28	-0.1026
38.98	-0.0248	122.97	-0.1028
33.99	-0.0249	125.82	-0.1083
33.96	-0.0249	125.60	-0.1085
26.83	-0.0244	127.84	-0.1196
21.88	-0.0225	130.19	-0.1243
21.90	-0.0226	132.53	-0.1380
16.69	-0.0191	135.33	-0.1570
11.74	-0.0152	134.42	-0.1582
11.77	-0.0152	138.35	-0.1803
5.05	-0.0084	140.16	-0.1937
0.02	-0.0016	142.63	-0.2151
-0.04	-0.0013	145.78	-0.2456
-0.02	-0.0014	142.52	-0.2559
-0.02	-0.0013	0.22	-0.1860
0.02	-0.0011		

LOCAL DISPLACEMENT AT EQ-A
RELATIVE COVER/SLEEVE DISPLACEMENT
TRANSDUCER D0012 (CH 0131)
AZ = 0 DEGREES Z = 0 FT 1.2 IN.

REINFORCED CONCRETE TEST DATA

LVDI CHANNEL 132

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0032
5.33	0.0014	19.55	0.0051
12.31	0.0017	29.57	0.0075
16.44	0.0017	39.42	0.0095
20.51	0.0018	49.16	0.0112
20.46	0.0019	54.50	0.0121
20.47	0.0019	59.57	0.0138
27.05	0.0031	64.20	0.0159
34.69	0.0059	69.32	0.0188
34.53	0.0063	74.16	0.0222
34.53	0.0064	80.16	0.0284
39.70	0.0080	85.61	0.0342
45.90	0.0106	90.58	0.0404
45.65	0.0110	95.69	0.0478
45.62	0.0110	100.92	0.0558
50.10	0.0123	103.25	0.0598
53.47	0.0138	106.11	0.0639
53.29	0.0141	108.31	0.0672
53.21	0.0142	111.08	0.0726
50.49	0.0149	113.24	0.0765
46.14	0.0149	117.83	0.0865
46.13	0.0149	120.92	0.0944
44.97	0.0149	123.28	0.1008
38.98	0.0148	122.97	0.1022
33.99	0.0148	125.82	0.1098
33.96	0.0148	125.60	0.1117
26.83	0.0147	127.84	0.1176
21.88	0.0141	130.19	0.1280
21.90	0.0140	132.53	0.1426
16.69	0.0122	135.33	0.1635
11.74	0.0098	134.42	0.1689
11.77	0.0097	138.35	0.1947
5.05	0.0066	140.16	0.2161
0.02	0.0043	142.63	0.2464
-0.04	0.0038	145.78	0.2748
-0.02	0.0034	142.52	0.2901
-0.02	0.0031	0.22	0.2181
0.02	0.0029		

LOCAL DISPLACEMENT AT EO-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0013 (CH 0132)
 AZ = 90 DEGREES Z = 0 FT 20 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 133

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0029
5.33	0.0012	19.55	0.0047
12.31	0.0014	29.57	0.0069
16.44	0.0014	39.42	0.0087
20.51	0.0015	49.16	0.0104
20.46	0.0015	54.50	0.0112
20.47	0.0016	59.57	0.0127
27.05	0.0027	69.20	0.0148
34.69	0.0053	69.32	0.0176
34.53	0.0056	74.16	0.0207
34.53	0.0057	80.16	0.0269
39.70	0.0072	85.81	0.0324
45.90	0.0096	90.58	0.0384
45.65	0.0100	95.69	0.0454
45.62	0.0100	100.92	0.0532
50.10	0.0112	103.25	0.0570
53.47	0.0125	106.11	0.0610
53.29	0.0128	108.31	0.0642
53.21	0.0129	111.08	0.0692
50.49	0.0132	113.24	0.0730
46.14	0.0132	117.83	0.0827
46.13	0.0132	120.92	0.0903
44.97	0.0132	123.28	0.0964
38.98	0.0132	122.97	0.0977
33.99	0.0133	125.82	0.1050
33.96	0.0133	125.60	0.1068
26.83	0.0134	127.84	0.1125
21.88	0.0129	130.19	0.1224
21.90	0.0129	132.53	0.1368
16.69	0.0111	135.33	0.1570
11.74	0.0089	134.42	0.1624
11.77	0.0088	138.35	0.1875
5.05	0.0058	140.16	0.2082
0.02	0.0036	142.63	0.2375
-0.04	0.0033	145.78	0.2653
-0.02	0.0029	142.52	0.2802
-0.02	0.0027	0.22	0.2101
0.02	0.0025		

LOCAL DISPLACEMENT AT EQ-A
 RELATIVE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0014 (CH 0133)
 AZ = 90 DEGREES Z = 0FT 1.2IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 135

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0002	9.89	0.0004
5.33	0.0008	19.55	0.0005
12.31	0.0008	29.57	0.0004
16.44	0.0009	39.42	0.0002
20.51	0.0010	49.16	-0.0001
20.46	0.0011	54.50	-0.0002
20.47	0.0011	59.57	-0.0001
27.05	0.0014	64.20	-0.0002
34.69	0.0013	69.32	-0.0002
34.53	0.0014	74.16	0.0003
34.53	0.0014	80.16	-0.0021
39.70	0.0013	85.61	-0.0019
45.90	0.0006	90.58	-0.0016
45.65	0.0000	95.69	-0.0012
45.62	-0.0001	100.92	-0.0008
50.10	-0.0004	103.25	-0.0005
53.47	-0.0004	106.11	-0.0003
53.29	-0.0008	108.31	-0.0001
53.21	-0.0011	111.08	0.0004
50.49	-0.0011	113.24	0.0006
46.14	-0.0010	117.83	0.0014
46.13	-0.0011	120.92	0.0020
44.97	-0.0002	123.28	0.0030
38.98	0.0004	122.97	0.0035
33.99	0.0007	125.82	0.0040
33.96	0.0009	125.60	0.0046
26.83	0.0017	127.84	0.0050
21.88	0.0021	130.19	0.0055
21.90	0.0022	132.53	0.0060
16.69	0.0024	135.33	0.0071
11.74	0.0023	134.42	0.0076
11.77	0.0021	138.35	0.0087
5.05	0.0020	140.16	0.0090
0.02	0.0019	142.63	0.0095
-0.04	-0.0002	145.78	0.0096
-0.02	0.0010	142.52	0.0095
-0.02	0.0013	0.22	0.0078
0.02	0.0017		

LOCAL DISPLACEMENT OF PL-A (OUTSIDE)
 VERTICAL DIAMETER AT INNER BULKHEAD
 TRANSDUCER D0016 (CH 0135)
 AZ = 0 DEGREES

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 136

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0003
5.33	0.0001	19.55	-0.0010
12.31	0.0004	29.57	-0.0025
16.44	0.0003	39.42	-0.0042
20.51	0.0003	49.16	-0.0064
20.46	0.0004	54.50	-0.0066
20.47	0.0001	59.57	-0.0074
27.05	0.0000	64.20	-0.0075
34.69	-0.0011	69.32	-0.0079
34.53	-0.0016	74.16	-0.0075
34.53	-0.0016	80.16	-0.0100
39.70	-0.0021	85.61	-0.0104
45.90	-0.0037	90.58	-0.0108
45.65	-0.0042	95.69	-0.0115
45.62	-0.0047	100.92	-0.0119
50.10	-0.0051	103.25	-0.0128
53.47	-0.0058	106.11	-0.0132
53.29	-0.0060	108.31	-0.0134
53.21	-0.0067	111.08	-0.0136
50.49	-0.0075	113.24	-0.0138
46.14	-0.0072	117.83	-0.0146
46.13	-0.0076	120.92	-0.0147
44.97	-0.0070	123.28	-0.0150
38.98	-0.0058	122.97	-0.0148
33.99	-0.0047	125.82	-0.0146
33.96	-0.0043	125.60	-0.0144
26.83	-0.0033	127.84	-0.0146
21.88	-0.0020	130.19	-0.0146
21.90	-0.0018	132.53	-0.0149
16.69	-0.0011	135.33	-0.0153
11.74	-0.0008	134.42	-0.0152
11.77	-0.0006	138.35	-0.0149
5.05	-0.0003	140.16	-0.0153
0.02	-0.0003	142.63	-0.0158
-0.04	0.0001	145.78	-0.0162
-0.02	0.0004	142.52	-0.0170
-0.02	0.0005	0.22	-0.0011
0.02	0.0006		

LOCAL DISPLACEMENT OF PL-A (OUTSIDE)
HORIZONTAL DIAMETER AT INNER BULKHEAD
TRANSDUCER 00017 (CH 0136)
AZ = 90 DEGREES

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 137

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0022
5.33	-0.0017	19.55	-0.0042
12.31	-0.0040	29.57	-0.0061
16.44	-0.0053	39.42	-0.0080
20.51	-0.0064	49.16	-0.0099
20.46	-0.0065	54.50	-0.0110
20.47	-0.0065	59.57	-0.0124
27.05	-0.0075	64.20	-0.0138
34.69	-0.0086	69.32	-0.0151
34.53	-0.0086	74.16	-0.0162
34.53	-0.0087	80.16	-0.0177
39.70	-0.0098	85.61	-0.0188
45.90	-0.0107	90.58	-0.0195
45.65	-0.0106	95.69	-0.0200
45.62	-0.0106	100.92	-0.0206
50.10	-0.0114	103.25	-0.0209
53.47	-0.0119	106.11	-0.0212
53.29	-0.0119	108.31	-0.0215
53.21	-0.0119	111.08	-0.0217
50.49	-0.0114	113.24	-0.0219
46.14	-0.0108	117.83	-0.0220
46.13	-0.0107	120.92	-0.0221
44.97	-0.0103	123.28	-0.0221
38.98	-0.0093	122.97	-0.0220
33.99	-0.0083	125.82	-0.0220
33.96	-0.0084	125.60	-0.0218
26.83	-0.0069	127.84	-0.0220
21.88	-0.0059	130.19	-0.0217
21.90	-0.0060	132.53	-0.0213
16.69	-0.0051	135.33	-0.0213
11.74	-0.0040	134.42	-0.0210
11.77	-0.0039	138.35	-0.0212
5.05	-0.0023	140.16	-0.0218
0.02	-0.0009	142.63	-0.0233
-0.04	-0.0003	145.78	-0.0246
-0.02	-0.0002	142.52	-0.0234
-0.02	-0.0002	0.22	0.0055
0.02	-0.0003		

INNER BULKHEAD DISPLACEMENT OF PL-A
 TRANSDUCER 00018 (CH 0137)
 X = OFT 0.1N. Y = OFT 0.71N.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 138

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0003
5.33	-0.0002	19.55	-0.0004
12.31	-0.0008	29.57	-0.0006
16.44	-0.0009	39.42	-0.0009
20.51	-0.0011	49.16	-0.0011
20.46	-0.0012	54.50	-0.0013
20.47	-0.0012	59.57	-0.0015
27.05	-0.0012	64.20	-0.0017
34.69	-0.0013	69.32	-0.0019
34.53	-0.0013	74.16	-0.0021
34.53	-0.0013	80.16	-0.0022
39.70	-0.0014	85.61	-0.0024
45.90	-0.0014	90.58	-0.0025
45.65	-0.0014	95.69	-0.0026
45.62	-0.0014	100.92	-0.0026
50.10	-0.0014	103.25	-0.0026
53.47	-0.0015	106.11	-0.0027
53.29	-0.0015	108.31	-0.0027
53.21	-0.0015	111.08	-0.0026
50.49	-0.0015	113.24	-0.0026
46.14	-0.0015	117.83	-0.0026
46.13	-0.0015	120.92	-0.0025
44.97	-0.0014	123.28	-0.0025
38.98	-0.0013	122.97	-0.0025
33.99	-0.0012	125.82	-0.0025
33.96	-0.0013	125.60	-0.0025
26.83	-0.0011	127.84	-0.0025
21.88	-0.0011	130.19	-0.0023
21.90	-0.0011	132.53	-0.0022
16.69	-0.0010	135.33	-0.0022
11.74	-0.0009	134.42	-0.0022
11.77	-0.0008	138.35	-0.0022
5.05	-0.0006	140.16	-0.0023
0.02	-0.0005	142.63	-0.0025
-0.04	-0.0002	145.78	-0.0027
-0.02	-0.0001	142.52	-0.0026
-0.02	-0.0001	0.22	-0.0005
0.02	-0.0001		

INNER BULKHEAD DISPLACEMENT OF PL-A
 TRANSDUCER D0019 (CH 0138)
 X = 0 FT 3.2 IN. Y = 0 FT 0.7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 139

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0006
5.33	-0.0007	19.55	-0.0011
12.31	-0.0017	29.57	-0.0016
16.44	-0.0023	39.42	-0.0022
20.51	-0.0028	49.16	-0.0027
20.46	-0.0029	54.50	-0.0031
20.47	-0.0029	59.57	-0.0037
27.05	-0.0030	64.20	-0.0043
34.69	-0.0032	69.32	-0.0048
34.53	-0.0033	74.16	-0.0051
34.53	-0.0034	80.16	-0.0056
39.70	-0.0037	85.61	-0.0058
45.90	-0.0038	90.58	-0.0059
45.65	-0.0038	95.69	-0.0057
45.62	-0.0038	100.92	-0.0056
50.10	-0.0039	103.25	-0.0056
53.47	-0.0040	106.11	-0.0056
53.29	-0.0041	108.31	-0.0056
53.21	-0.0040	111.08	-0.0054
50.49	-0.0040	113.24	-0.0053
46.14	-0.0040	117.83	-0.0050
46.13	-0.0038	120.92	-0.0047
44.97	-0.0037	123.28	-0.0045
38.98	-0.0034	122.97	-0.0044
33.99	-0.0031	125.82	-0.0041
33.96	-0.0032	125.60	-0.0041
26.83	-0.0027	127.84	-0.0040
21.88	-0.0024	130.19	-0.0035
21.90	-0.0026	132.53	-0.0030
16.69	-0.0023	135.33	-0.0028
11.74	-0.0020	134.42	-0.0027
11.77	-0.0019	138.35	-0.0025
5.05	-0.0014	140.16	-0.0029
0.02	-0.0009	142.63	-0.0039
-0.04	-0.0003	145.78	-0.0047
-0.02	-0.0003	142.52	-0.0038
-0.02	-0.0003	0.22	0.0042
0.02	-0.0003		

INNER BULKHEAD DISPLACEMENT OF PL-A
 TRANSDUCER D0020 (CH 0139)
 X = 0FT 0IN. Y = 0FT 4.95IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 140

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0001
5.33	-0.0001	19.55	-0.0001
12.31	-0.0005	29.57	-0.0002
16.44	-0.0005	39.42	-0.0003
20.51	-0.0006	49.16	-0.0004
20.46	-0.0007	54.50	-0.0005
20.47	-0.0007	59.57	-0.0006
27.05	-0.0006	64.20	-0.0007
34.69	-0.0006	69.32	-0.0008
34.53	-0.0007	74.16	-0.0009
34.53	-0.0007	80.16	-0.0009
39.70	-0.0007	85.61	-0.0009
45.90	-0.0007	90.58	-0.0009
45.65	-0.0007	95.69	-0.0009
45.62	-0.0007	100.92	-0.0008
50.10	-0.0007	103.25	-0.0008
53.47	-0.0007	106.11	-0.0008
53.29	-0.0007	108.31	-0.0008
53.21	-0.0007	111.08	-0.0008
50.49	-0.0007	113.24	-0.0008
46.14	-0.0008	117.83	-0.0006
46.13	-0.0007	120.92	-0.0006
44.97	-0.0007	123.28	-0.0006
38.98	-0.0006	122.97	-0.0006
33.99	-0.0006	125.82	-0.0005
33.96	-0.0006	125.60	-0.0005
26.83	-0.0006	127.84	-0.0005
21.88	-0.0006	130.19	-0.0004
21.90	-0.0006	132.53	-0.0003
16.69	-0.0005	135.33	-0.0002
11.74	-0.0005	134.42	-0.0002
11.77	-0.0004	138.35	-0.0002
5.05	-0.0004	140.16	-0.0002
0.02	-0.0003	142.63	-0.0003
-0.04	-0.0001	145.78	-0.0004
-0.02	-0.0001	142.52	-0.0004
-0.02	-0.0001	0.22	-0.0004
0.02	-0.0001		

INNER BULKHEAD DISPLACEMENT OF PL-A
 TRANSDUCER D0021 (CH 0140)
 X = 0FT 3.2IN. Y = 0FT 4.95IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 143

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0071
5.33	0.0000	19.55	-0.0053
12.31	0.0003	29.57	-0.0052
16.44	0.0002	39.42	-0.0039
20.51	-0.0002	49.15	-0.0018
20.46	-0.0002	54.50	-0.0004
20.47	-0.0003	59.57	0.0018
27.05	-0.0007	64.20	0.0060
34.69	0.0043	69.32	0.0112
34.53	0.0050	74.16	0.0167
34.53	0.0052	80.16	0.0225
39.70	0.0090	85.61	0.0274
45.90	0.0148	90.58	0.0316
45.65	0.0148	95.69	0.0383
45.62	0.0146	100.92	0.0445
50.10	0.0167	103.25	0.0478
53.47	0.0190	106.11	0.0500
53.29	0.0197	108.31	0.0518
53.21	0.0196	111.08	0.0553
50.49	0.0197	113.24	0.0574
46.14	0.0195	117.83	0.0631
46.13	0.0196	120.92	0.0671
44.97	0.0199	123.28	0.0721
38.98	0.0199	122.97	0.0738
33.99	0.0199	125.82	0.0793
33.96	0.0200	125.60	0.0806
26.83	0.0200	127.84	0.0841
21.88	0.0200	130.19	0.0901
21.90	0.0202	132.53	0.0978
16.69	0.0201	135.33	0.1078
11.74	0.0203	134.42	0.1130
11.77	0.0201	138.35	0.1251
5.05	0.0200	140.16	0.1344
0.02	0.0182	142.63	0.1479
-0.04	0.0150	145.78	0.1599
-0.02	0.0151	142.52	0.1669
-0.02	0.0150	0.22	0.0696
0.02	0.0151		

LOCAL DISPLACEMENT AT EQ-B
 VERTICAL DIAMETER AT INNER SEALING SURFACE
 TRANSDUCER D0024 (CH 0143)
 AZ = 2 DEGREES Z = OFT 0.4 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 144

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0192
5.33	0.0002	19.55	0.0169
12.31	0.0003	29.57	0.0103
16.44	0.0003	39.42	0.0027
20.51	0.0007	49.16	-0.0022
20.46	0.0009	54.50	-0.0076
20.47	0.0009	59.57	-0.0114
27.05	0.0024	64.20	-0.0166
34.69	0.0048	69.32	-0.0219
34.53	0.0054	74.16	-0.0276
34.53	0.0054	80.16	-0.0344
39.70	0.0066	85.61	-0.0395
45.90	0.0085	90.58	-0.0433
45.65	0.0060	95.69	-0.0485
45.62	0.0051	100.92	-0.0538
50.10	0.0022	103.25	-0.0578
53.47	0.0015	106.11	-0.0607
53.29	0.0011	108.31	-0.0624
53.21	0.0008	111.08	-0.0650
50.49	-0.0026	113.24	-0.0681
46.14	-0.0027	117.83	-0.0714
46.13	-0.0028	120.92	-0.0738
44.97	-0.0023	123.28	-0.0772
38.98	-0.0023	122.97	-0.0770
33.99	-0.0021	125.82	-0.0804
33.96	-0.0020	125.60	-0.0805
26.83	-0.0021	127.84	-0.0832
21.88	-0.0020	130.19	-0.0887
21.90	-0.0016	132.53	-0.0941
16.69	-0.0015	135.33	-0.0999
11.74	-0.0015	134.42	-0.0999
11.77	-0.0018	138.35	-0.1069
5.05	-0.0019	140.16	-0.1137
0.02	-0.0020	142.63	-0.1224
-0.04	-0.0013	145.78	-0.1340
-0.02	-0.0015	142.52	-0.1392
-0.02	-0.0012	0.22	-0.0782
0.02	-0.0009		

LOCAL DISPLACEMENT AT EQ-B
 HORIZONTAL DIAMETER AT INNER SEALING SURFACE
 TRANSDUCER D0025 (CH 0144)
 AZ = 92 DEGREES Z = 0 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 145

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0002	9.89	0.0021
5.33	0.0004	19.55	0.0029
12.31	0.0009	29.57	0.0021
16.44	0.0017	39.42	0.0013
20.51	0.0028	49.16	0.0015
20.46	0.0037	54.50	0.0024
20.47	0.0039	59.57	0.0041
27.05	0.0068	64.20	0.0068
34.69	0.0096	69.32	0.0119
34.53	0.0111	74.16	0.0169
34.53	0.0114	80.16	0.0200
39.70	0.0139	85.61	0.0244
45.90	0.0187	90.58	0.0283
45.65	0.0184	95.69	0.0331
45.62	0.0177	100.92	0.0385
50.10	0.0179	103.25	0.0408
53.47	0.0203	106.11	0.0427
53.29	0.0206	108.31	0.0444
53.21	0.0201	111.08	0.0476
50.49	0.0197	113.24	0.0501
46.14	0.0193	117.83	0.0552
46.13	0.0189	120.92	0.0600
44.97	0.0204	123.28	0.0650
38.98	0.0200	122.97	0.0669
33.99	0.0189	125.82	0.0722
33.96	0.0188	125.60	0.0737
26.83	0.0174	127.84	0.0762
21.88	0.0165	130.19	0.0819
21.90	0.0171	132.53	0.0881
16.69	0.0164	135.33	0.0960
11.74	0.0149	134.42	0.0985
11.77	0.0139	138.35	0.1080
5.05	0.0114	140.16	0.1148
0.02	0.0090	142.63	0.1256
-0.04	0.0060	145.78	0.1348
-0.02	0.0068	142.52	0.1404
-0.02	0.0072	0.22	0.0746
0.02	0.0071		

LOCAL DISPLACEMENT AT EO-B
 VERTICAL DIAMETER AT WALL MID-PLANE
 TRANSDUCER D0026 (CH 0145)
 AZ = 0 DEGREES Z = 1FT 2.8IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 146

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0003	9.89	-0.0007
5.33	0.0001	19.55	-0.0030
12.31	0.0000	29.57	-0.0110
16.44	0.0000	39.42	-0.0195
20.51	0.0004	49.16	-0.0277
20.46	0.0003	54.50	-0.0312
20.47	0.0005	59.57	-0.0357
27.05	-0.0015	64.20	-0.0402
34.69	-0.0074	69.32	-0.0453
34.53	-0.0072	74.16	-0.0514
34.53	-0.0071	80.16	-0.0613
39.70	-0.0086	85.61	-0.0666
45.90	-0.0118	90.58	-0.0707
45.65	-0.0136	95.69	-0.0777
45.62	-0.0146	100.92	-0.0830
50.10	-0.0164	103.25	-0.0860
53.47	-0.0181	106.11	-0.0893
53.29	-0.0187	108.31	-0.0907
53.21	-0.0191	111.08	-0.0935
50.49	-0.0193	113.24	-0.0964
46.14	-0.0196	117.83	-0.0999
46.13	-0.0192	120.92	-0.1040
44.97	-0.0196	123.28	-0.1080
38.98	-0.0196	122.97	-0.1079
33.99	-0.0195	125.82	-0.1109
33.96	-0.0194	125.60	-0.1118
26.83	-0.0196	127.84	-0.1150
21.82	-0.0195	130.19	-0.1187
21.90	-0.0193	132.53	-0.1239
16.69	-0.0193	135.33	-0.1301
11.74	-0.0192	134.42	-0.1313
11.77	-0.0194	138.35	-0.1390
5.05	-0.0193	140.16	-0.1448
0.02	-0.0192	142.63	-0.1528
-0.04	-0.0195	145.78	-0.1617
-0.02	-0.0197	142.52	-0.1658
-0.02	-0.0196	0.22	-0.0811
0.02	-0.0195		

LOCAL DISPLACEMENT AT EQ-B
HORIZONTAL DIAMETER AT WALL MID-PLANE
TRANSDUCER D0027 (CH 0146)
AZ = 90 DEGREES L = 1FT 2.8IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 147

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0007
5.33	0.0008	19.55	0.0001
12.31	0.0013	29.57	-0.0038
16.44	0.0009	39.42	-0.0056
20.51	0.0018	49.16	-0.0064
20.46	0.0024	54.50	-0.0068
20.47	0.0020	59.57	-0.0065
27.05	0.0027	64.20	-0.0026
34.69	0.0027	69.32	0.0026
34.53	0.0027	74.16	0.0064
34.53	0.0035	80.16	0.0112
39.70	0.0039	85.61	0.0143
45.90	0.0061	90.58	0.0182
45.65	0.0074	95.69	0.0224
45.62	0.0070	100.92	0.0272
50.10	0.0077	103.25	0.0292
53.47	0.0085	106.11	0.0311
53.29	0.0090	108.31	0.0330
53.21	0.0088	111.08	0.0351
50.49	0.0066	113.24	0.0372
46.14	0.0055	117.83	0.0414
46.13	0.0063	120.92	0.0452
44.97	0.0062	123.28	0.0486
38.98	0.0056	122.97	0.0496
33.99	0.0054	125.82	0.0535
33.96	0.0054	125.60	0.0546
26.83	0.0053	127.84	0.0562
21.88	0.0043	130.19	0.0600
21.90	0.0046	132.53	0.0635
16.69	0.0042	135.33	0.0682
11.74	0.0038	134.42	0.0698
11.77	0.0045	138.35	0.0753
5.05	0.0037	140.16	0.0800
0.02	0.0025	142.63	0.0859
-0.04	0.0021	145.78	0.0907
-0.02	0.0021	142.52	0.0938
-0.02	0.0025	0.22	0.0612
0.02	0.0030		

LOCAL DISPLACEMENT AT EQ-B
 VERTICAL DIAMETER AT OUTER SEALING SURFACE
 TRANSDUCER D0028 (CH 0147)
 AZ = 2 DEGREES Z = 2 FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 148

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0001
5.33	0.0003	19.55	-0.0004
12.31	-0.0001	29.57	-0.0004
16.44	0.0002	39.42	-0.0022
20.51	0.0002	49.16	-0.0049
20.46	0.0005	54.50	-0.0066
20.47	0.0004	59.57	-0.0082
27.05	0.0005	64.20	-0.0102
34.69	0.0010	69.32	-0.0114
34.53	0.0016	74.16	-0.0131
34.53	0.0016	80.16	-0.0153
39.70	0.0019	85.61	-0.0164
45.90	0.0021	90.58	-0.0176
45.65	0.0020	95.69	-0.0193
45.62	0.0016	100.92	-0.0208
50.10	0.0018	103.25	-0.0213
53.47	0.0018	106.11	-0.0221
53.29	0.0020	108.31	-0.0224
53.21	0.0016	111.08	-0.0231
50.49	0.0017	113.24	-0.0235
46.14	0.0016	117.83	-0.0245
46.13	0.0020	120.92	-0.0260
44.97	0.0020	123.28	-0.0274
38.98	0.0020	122.97	-0.0284
33.99	0.0021	125.82	-0.0287
33.96	0.0023	125.60	-0.0287
26.83	0.0020	127.64	-0.0292
21.88	0.0024	130.19	-0.0321
21.90	0.0025	132.53	-0.0329
16.69	0.0024	135.33	-0.0355
11.74	0.0025	134.42	-0.0365
11.77	0.0023	138.35	-0.0383
5.05	0.0023	140.16	-0.0430
0.02	0.0023	142.63	-0.0462
-0.04	0.0017	145.78	-0.0501
-0.02	0.0017	142.52	-0.0540
-0.02	0.0015	0.22	-0.0583
0.02	0.0013		

LOCAL DISPLACEMENT AT EQ-B
 HORIZONTAL DIAMETER AT OUTER SEALING SURFACE
 TRANSDUCER D0029 (CH 0148)
 AZ = 92 DEGREES Z = 2FT 4.5IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 149

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0002	9.89	-0.0003
5.33	0.0006	19.55	-0.0002
12.31	0.0006	29.57	-0.0009
16.44	0.0001	39.42	-0.0037
20.51	0.0002	49.16	-0.0068
20.46	0.0001	54.50	-0.0088
20.47	-0.0001	59.57	-0.0104
27.05	-0.0002	64.20	-0.0127
34.69	-0.0028	69.32	-0.0156
34.53	-0.0034	74.16	-0.0184
34.53	-0.0030	80.16	-0.0221
39.70	-0.0052	85.61	-0.0255
45.90	-0.0079	90.58	-0.0288
45.65	-0.0085	95.69	-0.0320
45.62	-0.0084	100.92	-0.0349
50.10	-0.0107	103.25	-0.0371
53.47	-0.0122	106.11	-0.0386
53.29	-0.0122	108.31	-0.0395
53.21	-0.0123	111.08	-0.0420
50.49	-0.0126	113.24	-0.0428
46.14	-0.0121	117.83	-0.0467
46.13	-0.0122	120.92	-0.0491
44.97	-0.0123	123.28	-0.0510
38.98	-0.0123	122.97	-0.0516
33.99	-0.0119	125.82	-0.0546
33.96	-0.0123	125.60	-0.0552
26.83	-0.0118	127.84	-0.0573
21.88	-0.0117	130.19	-0.0610
21.90	-0.0120	132.53	-0.0647
16.69	-0.0119	135.33	-0.0702
11.74	-0.0119	134.42	-0.0708
11.77	-0.0119	138.35	-0.0772
5.05	-0.0112	140.16	-0.0814
0.02	-0.0094	142.63	-0.0881
-0.04	-0.0090	145.78	-0.0937
-0.02	-0.0087	142.52	-0.0974
-0.02	-0.0085	0.22	-0.0329
0.02	-0.0090		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0030 (CH 0149)
 AZ = 180 DEGREES Z = 0FT 0.1IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 150

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0011	9.89	0.0010
5.33	0.0011	19.55	0.0003
12.31	0.0010	29.57	-0.0004
16.44	0.0000	39.42	-0.0030
20.51	0.0008	49.16	-0.0059
20.46	0.0009	54.50	-0.0066
20.47	-0.0001	59.57	-0.0078
27.05	0.0000	64.20	-0.0104
34.69	-0.0020	69.32	-0.0134
34.53	-0.0031	74.16	-0.0155
34.53	-0.0026	80.16	-0.0199
39.70	-0.0043	85.61	-0.0228
45.90	-0.0073	90.58	-0.0252
45.65	-0.0075	95.69	-0.0281
45.62	-0.0083	100.92	-0.0318
50.10	-0.0095	103.25	-0.0329
53.47	-0.0119	106.11	-0.0347
53.29	-0.0114	108.31	-0.0364
53.21	-0.0123	111.08	-0.0379
50.49	-0.0118	113.24	-0.0391
46.14	-0.0119	117.83	-0.0422
46.13	-0.0110	120.92	-0.0445
44.97	-0.0116	123.28	-0.0471
38.98	-0.0118	122.97	-0.0472
33.99	-0.0115	125.82	-0.0506
33.96	-0.0117	125.60	-0.0505
26.83	-0.0117	127.84	-0.0527
21.88	-0.0109	130.19	-0.0561
21.90	-0.0112	132.53	-0.0602
16.69	-0.0108	135.33	-0.0648
11.74	-0.0113	134.42	-0.0665
11.77	-0.0105	138.35	-0.0716
5.05	-0.0108	140.16	-0.0767
0.02	-0.0084	142.63	-0.0820
-0.04	-0.0082	145.78	-0.0884
-0.02	-0.0077	142.52	-0.0916
-0.02	-0.0078	0.22	-0.0321
0.02	-0.0078		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER DC031 (CH 0-50)
 AZ = 180 DEGREES Z = 0 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 151

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0002	9.89	0.0002
5.33	-0.0003	19.55	0.0008
12.31	-0.0003	29.57	0.0017
16.44	-0.0003	39.42	0.0028
20.51	-0.0004	49.16	0.0046
20.46	-0.0003	54.50	0.0060
20.47	-0.0002	59.57	0.0074
27.05	-0.0005	64.20	0.0094
34.69	-0.0003	69.32	0.0112
34.53	-0.0004	74.16	0.0136
34.53	-0.0002	80.16	0.0166
39.70	-0.0002	85.61	0.0190
45.90	0.0000	90.58	0.0213
45.65	-0.0001	95.69	0.0235
45.62	0.0001	100.92	0.0260
50.10	0.0002	103.25	0.0273
53.47	0.0003	106.11	0.0284
53.29	0.0004	108.31	0.0293
53.21	0.0003	111.08	0.0307
50.49	0.0006	113.24	0.0317
46.14	0.0007	117.83	0.0340
46.13	0.0005	120.92	0.0358
44.97	0.0007	123.28	0.0374
38.98	0.0009	122.97	0.0375
33.99	0.0009	125.82	0.0394
33.96	0.0009	125.60	0.0398
26.83	0.0015	127.84	0.0411
21.88	0.0019	130.19	0.0434
21.90	0.0021	132.53	0.0460
16.69	0.0026	135.33	0.0491
11.74	0.0030	134.42	0.0497
11.77	0.0029	138.35	0.0532
5.05	0.0032	140.16	0.0559
0.02	0.0036	142.63	0.0599
-0.04	0.0036	145.78	0.0639
-0.02	0.0037	142.52	0.0661
-0.02	0.0036	0.22	0.0279
0.02	0.0037		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0032 (CH 0151)
 AZ = 270 DEGREES Z = 0FT 0.1IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 152

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0001	9.89	0.0002
5.33	0.0000	19.55	0.0007
12.31	-0.0001	29.57	0.0012
16.44	0.0000	39.42	0.0023
20.51	-0.0003	49.16	0.0044
20.46	-0.0001	54.50	0.0053
20.47	0.0000	59.57	0.0067
27.05	-0.0003	64.20	0.0086
34.69	-0.0005	69.32	0.0109
34.53	-0.0004	74.16	0.0129
34.53	-0.0001	80.16	0.0163
39.70	-0.0004	85.61	0.0184
45.90	-0.0004	90.58	0.0208
45.65	-0.0002	95.69	0.0229
45.62	0.0000	100.92	0.0255
50.10	-0.0002	103.25	0.0267
53.47	0.0000	106.11	0.0280
53.29	-0.0002	108.31	0.0288
53.21	-0.0001	111.08	0.0302
50.49	0.0002	113.24	0.0313
46.14	0.0001	117.83	0.0336
46.13	0.0003	120.92	0.0352
44.97	0.0001	123.28	0.0371
38.98	0.0006	122.97	0.0371
33.99	0.0007	125.82	0.0391
33.96	0.0004	125.60	0.0394
26.83	0.0008	127.84	0.0407
21.88	0.0015	130.19	0.0431
21.90	0.0016	132.53	0.0460
16.69	0.0024	135.33	0.0490
11.74	0.0027	134.42	0.0497
11.77	0.0026	138.35	0.0533
5.05	0.0034	140.16	0.0563
0.02	0.0036	142.63	0.0604
-0.04	0.0037	145.78	0.0646
-0.02	0.0039	142.52	0.0670
-0.02	0.0037	0.22	0.0287
0.02	0.0037		

LOCAL DISPLACEMENT AT EQ-B
RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
TRANSDUCER D0033 (CH 0152)
AZ = 270 DEGREES Z = 0 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 153

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0001
5.33	0.0000	19.55	-0.0002
12.31	-0.0001	29.57	-0.0010
16.44	-0.0001	39.42	-0.0035
20.51	-0.0002	49.16	-0.0065
20.46	-0.0002	54.50	-0.0082
20.47	-0.0002	59.57	-0.0101
27.05	-0.0005	64.20	-0.0128
34.69	-0.0022	69.32	-0.0157
34.53	-0.0025	74.16	-0.0186
34.53	-0.0026	80.16	-0.0226
39.70	-0.0053	85.61	-0.0258
45.90	-0.0098	90.58	-0.0285
45.65	-0.0102	95.69	-0.0317
45.62	-0.0103	100.92	-0.0349
50.10	-0.0124	103.25	-0.0366
53.47	-0.0140	106.11	-0.0382
53.29	-0.0142	108.31	-0.0394
53.21	-0.0142	111.08	-0.0412
50.49	-0.0139	113.24	-0.0425
46.14	-0.0138	117.83	-0.0455
46.13	-0.0138	120.92	-0.0477
44.97	-0.0138	123.28	-0.0498
38.98	-0.0137	122.97	-0.0499
33.99	-0.0137	125.82	-0.0523
33.96	-0.0137	125.60	-0.0527
26.83	-0.0137	127.84	-0.0547
21.88	-0.0136	130.19	-0.0580
21.90	-0.0136	132.53	-0.0618
16.69	-0.0136	135.33	-0.0664
11.74	-0.0134	134.42	-0.0672
11.77	-0.0135	138.35	-0.0727
5.05	-0.0127	140.16	-0.0770
0.02	-0.0102	142.63	-0.0833
-0.04	-0.0100	145.78	-0.0882
-0.02	-0.0099	142.52	-0.0890
-0.02	-0.0100	0.22	-0.0331
0.02	-0.0101		

LOCAL DISPLACEMENT AT E0-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0034 (CH 0153)
 AZ = 0 DEGREES Z = 0FT 0.1IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 154

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0000
5.33	0.0000	19.55	0.0001
12.31	-0.0001	29.57	-0.0005
16.44	-0.0001	39.42	-0.0027
20.51	-0.0001	49.16	-0.0053
20.46	-0.0001	54.50	-0.0068
20.47	-0.0001	59.57	-0.0085
27.05	-0.0002	64.20	-0.0109
34.69	-0.0019	69.32	-0.0136
34.53	-0.0021	74.16	-0.0163
34.53	-0.0022	80.16	-0.0200
39.70	-0.0048	85.61	-0.0230
45.90	-0.0091	90.58	-0.0255
45.65	-0.0095	95.69	-0.0284
45.62	-0.0095	100.92	-0.0315
50.10	-0.0116	103.25	-0.0331
53.47	-0.0131	106.11	-0.0346
53.29	-0.0133	108.31	-0.0357
53.21	-0.0133	111.08	-0.0375
50.49	-0.0133	113.24	-0.0387
46.14	-0.0133	117.83	-0.0416
46.13	-0.0133	120.92	-0.0434
44.97	-0.0133	123.28	-0.0454
38.98	-0.0133	122.97	-0.0456
33.99	-0.0132	125.82	-0.0478
33.96	-0.0132	125.60	-0.0482
26.83	-0.0132	127.84	-0.0501
21.88	-0.0132	130.19	-0.0531
21.90	-0.0132	132.53	-0.0567
16.69	-0.0132	135.33	-0.0611
11.74	-0.0131	134.42	-0.0619
11.77	-0.0131	138.35	-0.0671
5.05	-0.0124	140.16	-0.0711
0.02	-0.0100	142.63	-0.0771
-0.04	-0.0096	145.78	-0.0831
-0.02	-0.0096	142.52	-0.0863
-0.02	-0.0096	0.22	-0.0325
0.02	-0.0096		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0035 (CH 0154)
 AZ = 0 DEGREES Z = 0 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 155

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0002
5.33	0.0000	19.55	0.0004
12.31	0.0000	29.57	0.0010
16.44	-0.0001	39.42	0.0019
20.51	-0.0001	49.16	0.0031
20.46	-0.0001	54.50	0.0042
20.47	-0.0001	59.57	0.0056
27.05	-0.0001	64.20	0.0072
34.69	-0.0001	69.32	0.0092
34.53	-0.0001	74.16	0.0113
34.53	0.0000	80.16	0.0143
39.70	-0.0001	85.61	0.0165
45.90	-0.0001	90.58	0.0186
45.65	0.0000	95.69	0.0210
45.62	0.0000	100.92	0.0233
50.10	0.0000	103.25	0.0247
53.47	0.0000	106.11	0.0258
53.29	0.0001	108.31	0.0267
53.21	0.0001	111.08	0.0280
50.49	0.0002	113.24	0.0289
46.14	0.0002	117.83	0.0307
46.13	0.0002	120.92	0.0322
44.97	0.0003	123.28	0.0337
38.98	0.0003	122.97	0.0338
33.99	0.0004	125.82	0.0356
33.96	0.0004	125.60	0.0361
26.83	0.0006	127.84	0.0376
21.88	0.0010	130.19	0.0403
21.90	0.0010	132.53	0.0437
16.69	0.0012	135.33	0.0475
11.74	0.0015	134.42	0.0482
11.77	0.0014	138.35	0.0530
5.05	0.0018	140.16	0.0564
0.02	0.0021	142.63	0.0616
-0.04	0.0021	145.78	0.0669
-0.02	0.0021	142.52	0.0700
-0.02	0.0021	0.22	0.0258
0.02	0.0020		

LOCAL DISPLACEMENT AT EO-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0036 (CH 0155)
 AZ = 90 DEGREES Z = 0 FT 0.1 IN.

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LOCAL DISPL. INT AT EQ-B
 RELATIVE INSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0037 (CH 0156)
 AZ = 90 DEGREES Z = 0FT 1.1IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 157

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0000
5.33	0.0000	19.55	0.0001
12.31	0.0000	29.57	0.0003
16.44	0.0000	39.42	0.0005
20.51	0.0000	49.16	0.0006
20.46	-0.0001	54.50	0.0005
20.47	-0.0001	59.57	-0.0001
27.05	-0.0001	64.20	-0.0017
34.69	-0.0001	69.32	-0.0042
34.53	-0.0006	74.16	-0.0059
34.53	-0.0006	80.16	-0.0060
39.70	-0.0005	85.61	-0.0066
45.90	-0.0006	90.58	-0.0073
45.65	-0.0005	95.69	-0.0081
45.62	-0.0005	100.92	-0.0088
50.10	-0.0006	103.25	-0.0091
53.47	-0.0009	106.11	-0.0094
53.29	-0.0009	108.31	-0.0097
53.21	-0.0009	111.08	-0.0102
50.49	-0.0009	113.24	-0.0105
46.14	-0.0009	117.83	-0.0115
46.13	-0.0009	120.92	-0.0122
44.97	-0.0012	123.28	-0.0134
38.98	-0.0013	122.97	-0.0138
33.99	-0.0012	125.82	-0.0143
33.96	-0.0013	125.60	-0.0146
26.83	-0.0013	127.84	-0.0148
21.88	-0.0013	130.19	-0.0152
21.90	-0.0015	132.53	-0.0157
16.69	-0.0016	135.33	-0.0164
11.74	-0.0016	134.42	-0.0169
11.77	-0.0013	138.35	-0.0172
5.05	-0.0012	140.16	-0.0175
0.02	-0.0011	142.63	-0.0180
-0.04	-0.0010	145.78	-0.0182
-0.02	-0.0011	142.52	-0.0185
-0.02	-0.0010	0.22	-0.0269
0.02	-0.0011		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER 00038 (CH 0157)
 AZ = 180 DEGREES Z = 2 FT 3.7 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 158

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0000
5.33	-0.0001	19.55	0.0000
12.31	-0.0002	29.57	0.0001
16.44	-0.0003	39.42	0.0001
20.51	-0.0004	49.16	-0.0001
20.46	-0.0005	54.50	-0.0004
20.47	-0.0005	59.57	-0.0012
27.05	-0.0006	64.20	-0.0030
34.69	-0.0007	69.32	-0.0057
34.53	-0.0011	74.16	-0.0079
34.53	-0.0011	80.16	-0.0086
39.70	-0.0010	85.61	-0.0101
45.90	-0.0010	90.58	-0.0116
45.65	-0.0008	95.69	-0.0132
45.62	-0.0008	100.92	-0.0148
50.10	-0.0010	103.25	-0.0155
53.47	-0.0013	106.11	-0.0162
53.29	-0.0012	108.31	-0.0169
53.21	-0.0013	111.08	-0.0178
50.49	-0.0013	113.24	-0.0185
46.14	-0.0014	117.83	-0.0202
46.13	-0.0013	120.92	-0.0214
44.97	-0.0016	123.28	-0.0233
38.98	-0.0017	122.97	-0.0237
33.99	-0.0016	125.82	-0.0246
33.96	-0.0017	125.60	-0.0249
26.83	-0.0018	127.84	-0.0253
21.88	-0.0018	130.19	-0.0262
21.90	-0.0020	132.53	-0.0269
16.69	-0.0020	135.33	-0.0280
11.74	-0.0021	134.42	-0.0286
11.77	-0.0016	138.35	-0.0294
5.05	-0.0015	140.16	-0.0297
0.02	-0.0013	142.63	-0.0305
-0.04	-0.0013	145.78	-0.0308
-0.02	-0.0013	142.52	-0.0311
-0.02	-0.0013	0.22	-0.0307
0.02	-0.0015		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0039 (CH 0158)
 AZ = 180 DEGREES Z = 2 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 159

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0001
5.33	0.0002	19.55	0.0002
12.31	0.0003	29.57	0.0003
16.44	0.0004	39.42	0.0004
20.51	0.0005	49.16	0.0007
20.46	0.0005	54.50	0.0009
20.47	0.0006	59.57	0.0011
27.05	0.0006	64.20	0.0013
34.69	0.0007	69.32	0.0014
34.53	0.0008	74.16	0.0011
34.53	0.0008	80.16	0.0003
39.70	0.0008	85.61	-0.0003
45.90	0.0005	90.58	-0.0009
45.65	0.0004	95.69	-0.0015
45.62	0.0005	100.92	-0.0022
50.10	0.0005	103.25	-0.0025
53.47	0.0006	106.11	-0.0028
53.29	0.0005	108.31	-0.0030
53.21	0.0005	111.08	-0.0033
50.49	0.0004	113.24	-0.0035
46.14	0.0004	117.83	-0.0038
46.13	0.0003	120.92	-0.0041
44.97	0.0004	123.28	-0.0041
38.98	0.0005	122.97	-0.0040
33.99	0.0004	125.82	-0.0041
33.96	0.0005	125.60	-0.0040
26.83	0.0005	127.84	-0.0041
21.88	0.0005	130.19	-0.0040
21.90	0.0005	132.53	-0.0040
16.69	0.0005	135.33	-0.0039
11.74	0.0005	134.42	-0.0037
11.77	0.0003	138.35	-0.0036
5.05	0.0002	140.16	-0.0035
0.02	0.0002	142.63	-0.0032
-0.04	0.0003	145.78	-0.0029
-0.02	0.0002	142.52	-0.0026
-0.02	0.0003	0.22	0.0018
0.02	0.0003		

LOCAL DISPLACEMENT AT E0-B
 GAP BETWEEN OUTSIDE COVER AND SLEEVE
 TRANSDUCER D0040 (CH 0159)
 AZ = 180 DEGREES V = 11FT 5.2IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 160

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0001
5.33	-0.0001	19.55	0.0005
12.31	-0.0001	29.57	0.0030
16.44	-0.0002	39.42	0.0063
20.51	0.0000	49.16	0.0096
20.46	0.0000	54.50	0.0114
20.47	-0.0002	59.57	0.0134
27.05	0.0008	64.20	0.0154
34.69	0.0012	69.32	0.0172
34.53	0.0009	74.16	0.0187
34.53	0.0010	80.16	0.0205
39.70	0.0012	85.61	0.0216
45.90	0.0016	90.58	0.0224
45.65	0.0019	95.69	0.0234
45.62	0.0020	100.92	0.0248
50.10	0.0023	103.25	0.0253
53.47	0.0027	106.11	0.0258
53.29	0.0030	108.31	0.0261
53.21	0.0030	111.08	0.0265
50.49	0.0030	113.24	0.0268
46.14	0.0030	117.83	0.0272
46.13	0.0031	120.92	0.0275
44.97	0.0028	123.28	0.0276
38.98	0.0027	122.97	0.0275
33.99	0.0027	125.82	0.0277
33.96	0.0026	125.60	0.0277
26.83	0.0025	127.84	0.0279
21.88	0.0025	130.19	0.0281
21.90	0.0024	132.53	0.0283
16.69	0.0024	135.33	0.0286
11.74	0.0024	134.42	0.0286
11.77	0.0027	138.35	0.0289
5.05	0.0028	140.16	0.0290
0.02	0.0029	142.63	0.0293
-0.04	0.0030	145.78	0.0296
-0.02	0.0029	142.52	0.0298
-0.02	0.0029	0.22	0.0204
0.02	0.0028		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER 00041 (CH 0160)
 AZ = 270 DEGREES Z = 2FT 3.8IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 161

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	-0.0001	9.89	0.0000
5.33	-0.0002	19.55	0.0004
12.31	-0.0004	29.57	0.0029
16.44	-0.0006	39.42	0.0061
20.51	-0.0005	49.16	0.0093
20.46	-0.0005	54.50	0.0110
20.47	-0.0010	59.57	0.0129
27.05	0.0001	64.20	0.0146
34.69	0.0005	69.32	0.0163
34.53	-0.0002	74.16	0.0174
34.53	-0.0001	80.16	0.0194
39.70	0.0003	85.61	0.0201
45.90	0.0011	90.58	0.0206
45.65	0.0016	95.69	0.0213
45.62	0.0017	100.92	0.0224
50.10	0.0020	103.25	0.0228
53.47	0.0024	106.11	0.0232
53.29	0.0030	108.31	0.0234
53.21	0.0030	111.08	0.0238
50.49	0.0030	113.24	0.0240
46.14	0.0028	117.83	0.0243
46.13	0.0031	120.92	0.0245
44.97	0.0024	123.28	0.0243
38.98	0.0023	122.97	0.0242
33.99	0.0023	125.82	0.0243
33.96	0.0021	125.60	0.0243
26.83	0.0017	127.84	0.0244
21.88	0.0018	130.19	0.0244
21.90	0.0016	132.53	0.0245
16.69	0.0015	135.33	0.0247
11.74	0.0015	134.42	0.0246
11.77	0.0022	138.35	0.0248
5.05	0.0024	140.16	0.0249
0.02	0.0026	142.63	0.0252
-0.04	0.0029	145.78	0.0257
-0.02	0.0027	142.52	0.0259
-0.02	0.0026	0.22	0.0221
0.02	0.0024		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0042 (CH 0161)
 AZ = 270 DEGREES Z = 2FT 4.8IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 162

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0000
5.33	0.0000	19.55	-0.0001
12.31	0.0001	29.57	-0.0002
16.44	0.0001	39.42	-0.0003
20.51	0.0000	49.16	-0.0002
20.46	0.0000	54.50	-0.0003
20.47	0.0001	59.57	-0.0005
27.05	0.0000	64.20	-0.0007
34.69	0.0000	69.32	-0.0009
34.53	0.0001	74.16	-0.0011
34.53	0.0001	80.16	-0.0020
39.70	0.0000	85.61	-0.0028
45.90	-0.0003	90.58	-0.0037
45.65	-0.0002	95.69	-0.0048
45.62	-0.0002	100.92	-0.0060
50.10	-0.0003	103.25	-0.0066
53.47	-0.0003	106.11	-0.0072
53.29	-0.0004	108.31	-0.0077
53.21	-0.0004	111.08	-0.0084
50.49	-0.0005	113.24	-0.0089
46.14	-0.0004	117.83	-0.0100
46.13	-0.0005	120.92	-0.0109
44.97	-0.0004	123.28	-0.0115
38.98	-0.0003	122.97	-0.0117
33.99	-0.0003	125.82	-0.0124
33.96	-0.0003	125.60	-0.0126
26.83	-0.0002	127.84	-0.0130
21.88	-0.0003	130.19	-0.0137
21.90	-0.0003	132.53	-0.0145
16.69	-0.0002	135.33	-0.0156
11.74	-0.0002	134.42	-0.0159
11.77	-0.0003	138.35	-0.0170
5.05	-0.0003	140.16	-0.0180
0.02	-0.0003	142.63	-0.0196
-0.04	-0.0001	145.78	-0.0213
-0.02	-0.0002	142.52	-0.0222
-0.02	-0.0001	0.22	-0.0060
0.02	-0.0001		

LOCAL DISPLACEMENT AT EQ-B
 GAP BETWEEN OUTSIDE COVER AND SLEEVE
 TRANSDUCER D0043 (CH 0162)
 AZ = 270 DEGREES V = 13FT 1.2IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 163

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0001
5.33	0.0000	19.55	0.0004
12.31	0.0001	29.57	0.0008
16.44	0.0001	39.42	0.0011
20.51	0.0000	49.16	0.0010
20.46	0.0000	54.50	0.0010
20.47	0.0000	59.57	0.0008
27.05	-0.0001	64.20	-0.0009
34.69	-0.0002	69.32	-0.0033
34.53	-0.0006	74.16	-0.0050
34.53	-0.0006	80.16	-0.0054
39.70	-0.0004	85.61	-0.0064
45.90	-0.0002	90.58	-0.0073
45.65	0.0001	95.69	-0.0081
45.62	0.0001	100.92	-0.0091
50.10	0.0001	103.25	-0.0095
53.47	0.0002	106.11	-0.0098
53.29	0.0003	108.31	-0.0102
53.21	0.0004	111.00	-0.0107
50.49	0.0003	113.24	-0.0110
46.14	0.0003	117.83	-0.0120
46.13	0.0003	120.92	-0.0126
44.97	0.0000	123.28	-0.0143
38.98	-0.0001	122.97	-0.0146
33.99	-0.0001	125.82	-0.0149
33.96	-0.0001	125.60	-0.0152
26.83	-0.0002	127.84	-0.0154
21.88	-0.0004	130.19	-0.0160
21.90	-0.0005	132.53	-0.0164
16.69	-0.0007	135.33	-0.0173
11.74	-0.0007	134.42	-0.0180
11.77	-0.0004	138.35	-0.0186
5.05	-0.0004	140.16	-0.0190
0.02	-0.0003	142.63	-0.0199
-0.04	-0.0003	145.78	-0.0201
-0.02	-0.0003	142.52	-0.0208
-0.02	-0.0003	0.22	-0.0286
0.02	-0.0004		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0044 (CH 0163)
 AZ = 0 DEGREES Z = 2 FT 3.7 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 164

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	-0.0002
5.33	-0.0003	19.55	0.0000
12.31	-0.0005	29.57	0.0005
16.44	-0.0007	39.42	0.0006
20.51	-0.0008	49.16	0.0002
20.46	-0.0010	54.50	0.0002
20.47	-0.0010	59.57	-0.0001
27.05	-0.0012	64.20	-0.0020
34.69	-0.0014	69.32	-0.0045
34.53	-0.0023	74.16	-0.0069
34.53	-0.0023	80.16	-0.0071
39.70	-0.0017	85.61	-0.0088
45.90	-0.0011	90.58	-0.0101
45.65	-0.0004	95.69	-0.0113
45.62	-0.0004	100.92	-0.0127
50.10	-0.0004	103.25	-0.0131
53.47	-0.0004	106.11	-0.0137
53.29	0.0001	108.31	-0.0143
53.21	-0.0001	111.08	-0.0149
50.49	-0.0001	113.24	-0.0154
46.14	-0.0003	117.83	-0.0169
46.13	-0.0001	120.92	-0.0178
44.97	-0.0007	123.28	-0.0206
38.98	-0.0009	122.97	-0.0212
33.99	-0.0009	125.82	-0.0212
33.96	-0.0010	125.60	-0.0214
26.83	-0.0011	127.84	-0.0216
21.88	-0.0015	130.19	-0.0226
21.90	-0.0017	132.53	-0.0233
16.69	-0.0020	135.33	-0.0245
11.74	-0.0020	134.42	-0.0255
11.77	-0.0010	138.35	-0.0266
5.05	-0.0006	140.16	-0.0270
0.02	-0.0003	142.63	-0.0283
-0.04	-0.0008	145.78	-0.0287
-0.02	-0.0005	142.52	-0.0293
-0.02	-0.0005	0.22	-0.0284
0.02	-0.0008		

LOCAL DISPLACEMENT AT EO-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER 00045 (CH 0164)
 AZ = 0 DEGREES Z = 2FT 4.7IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 165

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0001
5.33	0.0002	19.55	0.0002
12.31	0.0004	29.57	0.0003
16.44	0.0005	39.42	0.0005
20.51	0.0006	49.16	0.0007
20.46	0.0006	54.50	0.0007
20.47	0.0007	59.57	0.0008
27.05	0.0007	64.20	0.0009
34.69	0.0006	69.32	0.0011
34.53	0.0008	74.16	0.0008
34.53	0.0008	80.16	-0.0001
39.70	0.0006	85.61	-0.0007
45.90	0.0005	90.58	-0.0013
45.65	0.0004	95.69	-0.0020
45.62	0.0004	100.92	-0.0026
50.10	0.0005	103.25	-0.0030
53.47	0.0006	106.11	-0.0034
53.29	0.0005	108.31	-0.0037
53.21	0.0005	111.08	-0.0041
50.49	0.0004	113.24	-0.0044
46.14	0.0004	117.83	-0.0048
46.13	0.0004	120.92	-0.0052
44.97	0.0005	123.28	-0.0052
38.98	0.0005	122.97	-0.0050
33.99	0.0005	125.82	-0.0053
33.96	0.0005	125.60	-0.0053
26.83	0.0005	127.84	-0.0054
21.88	0.0005	130.19	-0.0054
21.90	0.0005	132.53	-0.0055
16.69	0.0005	135.33	-0.0056
11.74	0.0004	134.42	-0.0054
11.77	0.0001	138.35	-0.0053
5.05	-0.0001	140.16	-0.0051
0.02	-0.0002	142.63	-0.0047
-0.04	0.0000	145.78	-0.0043
-0.02	-0.0001	142.52	-0.0038
-0.02	-0.0001	0.22	-0.0004
0.02	0.0000		

LOCAL DISPLACEMENT AT E0-B
 GAP BETWEEN OUTSIDE COVER AND SLEEVE
 TRANSDUCER D0046 (CH 0165)
 AZ = 0 DEGREES V = 14FT 9.2IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 166

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0001
5.33	-0.0001	19.55	0.0025
12.31	-0.0001	29.57	0.0055
16.44	-0.0002	39.42	0.0082
20.51	-0.0001	49.16	0.0103
20.46	0.0000	54.50	0.0114
20.47	0.0000	59.57	0.0126
27.05	0.0006	64.20	0.0139
34.69	0.0007	69.32	0.0152
34.53	0.0006	74.16	0.0163
34.53	0.0006	80.16	0.0185
39.70	0.0007	85.61	0.0199
45.90	0.0008	90.58	0.0211
45.65	0.0009	95.69	0.0224
45.62	0.0009	100.92	0.0234
50.10	0.0009	103.25	0.0240
53.47	0.0009	106.11	0.0244
53.29	0.0010	108.31	0.0246
53.21	0.0010	111.08	0.0249
50.49	0.0010	113.24	0.0251
46.14	0.0009	117.83	0.0254
46.13	0.0010	120.92	0.0257
44.97	0.0007	123.28	0.0257
38.98	0.0007	122.97	0.0255
33.99	0.0007	125.82	0.0258
33.96	0.0006	125.60	0.0259
26.83	0.0006	127.84	0.0261
21.88	0.0006	130.19	0.0263
21.90	0.0006	132.53	0.0265
16.69	0.0006	135.33	0.0268
11.74	0.0006	134.42	0.0268
11.77	0.0007	138.35	0.0272
5.05	0.0007	140.16	0.0279
0.02	0.0008	142.63	0.0285
-0.04	0.0005	145.78	0.0290
-0.02	0.0007	142.52	0.0291
-0.02	0.0007	0.22	0.0201
0.02	0.0007		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0047 (CH 0166)
 AZ = 90 DEGREES Z = 2 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 167

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0001
5.33	-0.0001	19.55	0.0024
12.31	-0.0002	29.57	0.0054
16.44	-0.0003	39.42	0.0080
20.51	-0.0002	49.16	0.0100
20.46	-0.0002	54.50	0.0111
20.47	-0.0002	59.57	0.0121
27.05	0.0003	64.20	0.0134
34.69	0.0003	69.32	0.0146
34.53	0.0001	74.16	0.0153
34.53	0.0002	80.16	0.0175
39.70	0.0003	85.61	0.0187
45.90	0.0005	90.58	0.0196
45.65	0.0006	95.69	0.0205
45.62	0.0006	100.92	0.0210
50.10	0.0006	103.25	0.0214
53.47	0.0006	106.11	0.0216
53.29	0.0008	108.31	0.0216
53.21	0.0008	111.08	0.0217
50.49	0.0007	113.24	0.0217
46.14	0.0007	117.83	0.0218
46.13	0.0008	120.92	0.0219
44.97	0.0005	123.28	0.0216
38.98	0.0004	122.97	0.0214
33.99	0.0004	125.82	0.0215
33.96	0.0004	125.60	0.0216
26.83	0.0003	127.84	0.0216
21.88	0.0003	130.19	0.0216
21.90	0.0003	132.53	0.0217
16.69	0.0002	135.33	0.0218
11.74	0.0002	134.42	0.0218
11.77	0.0004	138.35	0.0220
5.05	0.0005	140.16	0.0226
0.02	0.0006	142.63	0.0231
-0.04	0.0004	145.78	0.0235
-0.02	0.0005	142.52	0.0237
-0.02	0.0005	0.22	0.0220
0.02	0.0004		

LOCAL DISPLACEMENT AT EQ-B
 RELATIVE OUTSIDE COVER/SLEEVE DISPLACEMENT
 TRANSDUCER D0043 (CH 0167)
 AZ = 90 DEGREES Z = 2 FT 4.9 IN.

REINFORCED CONCRETE TEST DATA

LVDT CHANNEL 168

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	Displacement (inches)	Pressure (psig)	Displacement (inches)
-0.05	0.0000	9.89	0.0000
5.33	0.0000	19.55	0.0002
12.31	0.0001	29.57	0.0002
16.44	0.0001	39.42	0.0003
20.51	0.0000	49.16	0.0003
20.46	0.0000	54.50	0.0003
20.47	0.0000	59.57	0.0002
27.05	0.0001	64.20	0.0001
34.69	0.0003	69.32	-0.0001
34.53	0.0004	74.16	-0.0007
34.53	0.0003	80.16	-0.0019
39.70	0.0003	85.61	-0.0031
45.90	0.0002	90.58	-0.0042
45.65	0.0002	95.69	-0.0055
45.62	0.0002	100.92	-0.0068
50.10	0.0002	103.25	-0.0075
53.47	0.0002	106.11	-0.0081
53.29	0.0001	108.31	-0.0086
53.21	0.0001	111.08	-0.0094
50.49	0.0000	113.24	-0.0100
46.14	0.0001	117.83	-0.0112
46.13	0.0000	120.92	-0.0121
44.97	0.0002	123.28	-0.0129
38.98	0.0002	122.97	-0.0131
33.99	0.0002	125.82	-0.0139
33.96	0.0003	125.60	-0.0141
26.83	0.0003	127.84	-0.0144
21.88	0.0003	130.19	-0.0150
21.90	0.0004	132.53	-0.0158
16.69	0.0004	135.33	-0.0170
11.74	0.0004	134.42	-0.0174
11.77	0.0003	138.35	-0.0190
5.05	0.0003	140.16	-0.0204
0.02	0.0003	142.63	-0.0223
-0.04	0.0003	145.78	-0.0239
-0.02	0.0004	142.52	-0.0248
-0.02	0.0004	0.22	-0.0075
0.02	0.0005		

LOCAL DISPLACEMENT AT EO-B
GAP BETWEEN OUTSIDE COVER AND SLEEVE
TRANSDUCER D0049 (CH 0168)
AZ = 90 DEGREES V = 13FT 1.2IN.

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SANDIA NATIONAL LABS

IMAGE EVALUATION
TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
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SECURITY CLASSIFICATION

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DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

THIS DOCUMENT FILMED

AT

24

REDUCTION

INTERIOR TRACK TRANSDUCER BELOW EQ-A
 AZ = 2.43 DEGREES V = 2 FT 6.9 IN. V = 8 FT 2.1 IN.

Figure 3. TRACK #1

INTERIOR TRACK TRANSDUCER BELOW EQ-B
 AZ = 182.77 DEGREES V = 2 FT 6.0 IN. V = 8 FT 1.6 IN.

Displacement (in.)

Figure 5. TRACK #3

Figure 6. TRACK #4

EXTERIOR TRACK TRANSDUCER BELOW EQ-A
 AZ = 358.82 DEGREES V = 1 FT 11.9 IN. V = 8 FT 3.9 IN.

Displacement (in.)

Figure 7. TRACK #5

EXTERIOR TRACK TRANSDUCER NEAR PL-A
 AZ = 102.48 DEGREES V = 2 FT 0.0 IN. V = 22 FT 4.3 IN.

Displacement (in.)

Figure 8. TRACK #5

EXTERIOR TRACI TRANSDUCER BELOW EQ-B
 AZ = 179 DEGREES V = 2 FT 1.9 IN. V = 8 FT 5.6 IN.

Displacement (in.)

Figure 9. TRACK #7

Figure 10. TRACK #8

BASEMAT TRACK TRANSDUCER
 AZ = 84.78 DEGREES R = 1 FT 11.8 IN. R = 9 FT 0.9 IN.

Figure 11. TRACK #9

Reinforced Concrete Test Data

Track 1 - High Pressure Test

Scan 1, 49.2 psig	88.1271 0.0857	65.1471 0.0803	41.7671 0.0802
	85.5731 0.0837	62.5531 0.0814	38.1331 0.0456
	83.0451 0.0835	60.0311 0.0801	35.4851 0.0285
98.1200 0.0753	80.4911 0.0789	57.4021 0.0790	32.8361 0.0274
98.1200 0.0753	77.9581 0.0830	54.8021 0.0705	30.1871 0.0521
97.7348 0.0831	75.4111 0.0772	52.2281 0.0668	27.5381 0.0494
95.5932 0.0742	72.8231 0.0795	49.6341 0.0763	24.8891 0.0403
93.1200 0.0676	70.2891 0.0730	46.9901 0.0611	22.2401 0.0367
90.6675 0.0681	67.7281 0.0802	44.4031 0.0516	19.5911 0.0361
88.1271 0.0699	65.1471 0.0598	41.7671 0.0477	16.9421 0.0648
85.5731 0.0638	62.5531 0.0666	39.1331 0.0337	14.2931 0.0660
83.0451 0.0661	60.0311 0.0703	36.4851 0.0244	11.6441 0.0753
80.4911 0.0650	57.4021 0.0698	33.8361 0.0243	9.0001 0.0767
77.9581 0.0658	54.8021 0.0620	31.1871 0.0193	6.3511 0.0793
75.4111 0.0598	52.2281 0.0602	28.5381 0.0288	3.7021 0.0851
72.8231 0.0637	49.6341 0.0499	25.8891 0.0221	1.0531 0.0919
70.2891 0.0669	46.9901 0.0497	23.2401 0.0268	0.4041 0.0909
67.7281 0.0613	44.4031 0.0418	20.5911 0.0438	0.0551 0.0946
65.1471 0.0593	41.7671 0.0378	17.9421 0.0574	0.0061 0.0915
62.5531 0.0527	39.1331 0.0294	15.2931 0.0585	0.0001 0.1431
60.0311 0.0519	36.4851 0.0224	12.6441 0.0600	0.0001 0.1028
57.4021 0.0547	33.8361 0.0172	9.9951 0.0678	0.0001 0.1006
54.8021 0.0489	31.1871 0.0129	7.3461 0.0703	0.0001 0.1029
52.2281 0.0432	28.5381 0.0114	4.6971 0.0813	0.0001 0.0986
49.6341 0.0422	25.8891 0.0289	2.0481 0.0868	0.0001 0.0908
46.9901 0.0338	23.2401 0.0309	0.3991 0.0857	0.0001 0.0886
44.4031 0.0396	20.5911 0.0397	0.0501 0.0881	0.0001 0.0899
41.7671 0.0273	17.9421 0.0499	0.0011 0.0872	0.0001 0.0889
39.1331 0.0238	15.2931 0.0491	0.0001 0.1064	0.0001 0.1029
36.4851 0.0120	12.6441 0.0554	0.0001 0.0956	0.0001 0.0947
33.8361 0.0106	9.9951 0.0601	0.0001 0.0953	0.0001 0.0940
31.1871 0.0252	7.3461 0.0629	0.0001 0.1009	0.0001 0.0970
28.5381 0.0251	4.6971 0.0668	0.0001 0.0947	0.0001 0.1007
25.8891 0.0210	2.0481 0.0757	0.0001 0.0980	0.0001 0.1012
23.2401 0.0276	0.3991 0.0728	0.0001 0.0977	0.0001 0.1102
20.5911 0.0303	0.0501 0.0771	0.0001 0.0937	0.0001 0.1100
17.9421 0.0398	0.0011 0.0773	0.0001 0.0978	
15.2931 0.0389	0.0001 0.1043	0.0001 0.1034	Scan 5, 90.6 psig
12.6441 0.0408	0.0001 0.0879	0.0001 0.0993	98.1200 0.1211
9.9951 0.0494	0.0001 0.0860	0.0001 0.0911	98.1200 0.1211
7.3461 0.0515	0.0001 0.0899	0.0001 0.0969	98.1200 0.1211
4.6971 0.0580	0.0001 0.0815	0.0001 0.0981	95.5932 0.1170
2.0481 0.0619	0.0001 0.0884	0.0001 0.1009	93.1200 0.1052
0.3991 0.0593	0.0001 0.0859	0.0001 0.0929	90.6675 0.1033
0.0501 0.0608	0.0001 0.0861		88.1271 0.1042
0.0011 0.0571	0.0001 0.0866		85.5731 0.1045
	0.0001 0.0902		83.0451 0.1061
	0.0001 0.0848		80.4911 0.1031
	0.0001 0.0829		77.9581 0.0996
	0.0001 0.0857		75.4111 0.0946
	0.0001 0.0888		72.8231 0.1028
	0.0001 0.0888		70.2891 0.1057
	0.0001 0.1468		67.7281 0.0998
			65.1471 0.0745
			62.5531 0.0885
			60.0311 0.0946
			57.4021 0.0981
			54.8021 0.0839
			52.2281 0.0792
			49.6341 0.0736
			46.9901 0.0755
			44.4031 0.0686
			41.7671 0.0873
			39.1331 0.0811
			36.4851 0.0370
			33.8361 0.0401
			31.1871 0.0221
			28.5381 0.0433
			25.8891 0.0440
			23.2401 0.0527
			20.5911 0.0607
			17.9421 0.0631
			15.2931 0.0651
			12.6441 0.0678
			9.9951 0.0681
			7.3461 0.0681
			4.6971 0.0681
			2.0481 0.0681
			0.3991 0.0681
			0.0501 0.0681
			0.0011 0.0681
			0.0001 0.0681

Reinforced Concrete Test Data

Track 1 - High Pressure Test

41.8971	0.0746	61.9651	0.1102	82.5391	0.1365		
44.1331	0.0766	64.2011	0.1616	84.8301	0.1407		
46.3301	0.0883	66.4241	0.1201	87.0931	0.1287	Scan 9, 113.2 psig	
48.5801	0.0865	68.7081	0.1217	89.3634	0.1252	98.1200	1.5894
50.7741	0.0876	70.9241	0.1225	91.5727	0.1285	98.1200	1.5894
53.0121	0.0949	73.1871	0.1186	93.8365	0.1348	98.1200	1.5894
55.2351	0.1019	75.4441	0.1191	96.1001	0.1353	95.5932	0.1735
57.4781	0.1018	77.6871	0.1204	97.9042	0.1466	93.1200	0.1634
59.7411	0.1046	80.3161	0.1226			90.6675	0.1588
61.9651	0.0994	82.5391	0.1254			88.1271	0.1553
64.2011	0.1550	84.8301	0.1256	Scan 8, 108.3 psig		85.5731	0.1625
66.4241	0.1088	87.0931	0.1185			83.0451	0.1741
68.7081	0.1100	89.3634	0.1128	98.1200	0.1171	80.4911	0.1673
70.9241	0.1138	91.5727	0.1173	98.1200	0.1171	77.9581	0.1575
73.1871	0.1063	93.8365	0.1204	98.1200	0.1171	75.4111	0.1511
75.4441	0.1099	96.1001	0.1224	95.5932	0.1568	72.8231	0.1537
77.6871	0.1085	97.9042	0.2312	93.1200	0.1500	70.2891	0.1641
80.3161	0.1099			90.6675	0.1468	67.7281	0.1504
82.5391	0.1113			88.1271	0.1412	65.1471	0.1437
84.8301	0.1141	Scan 7, 100.9 psig		85.5731	0.1533	62.5531	0.1343
87.0931	0.1056			83.0451	0.1569	60.0311	0.1322
89.3634	0.1027	98.1200	0.1493	80.4911	0.1526	57.4021	0.1375
91.5727	0.1040	98.1200	0.1493	77.9581	0.1446	54.8021	0.1210
93.8365	0.1100	98.1200	0.1493	75.4111	0.1389	52.2281	0.1082
96.1001	0.1089	95.5932	0.1391	72.8231	0.1424	49.6341	0.0930
97.9042	0.1685	93.1200	0.1272	70.2891	0.1481	46.9901	0.0983
		90.6675	0.1271	67.7281	0.1387	44.4031	0.0903
		88.1271	0.1271	65.1471	0.1292	41.7671	0.0740
		85.5731	0.1321	62.5531	0.1245	39.1331	0.0625
		83.0451	0.1339	60.0311	0.1231	36.4851	0.0414
		80.4911	0.1297	57.4021	0.1265	33.8361	0.0458
		77.9581	0.1236	54.8021	0.1114	31.6451	0.0370
		75.4111	0.1183	52.2281	0.1023	31.1131	0.0542
		72.8231	0.1251	49.6341	0.0920	35.3571	0.0534
		70.2891	0.1395	46.9901	0.0940	37.4991	0.0594
		67.7281	0.1212	44.4031	0.0900	39.6871	0.0722
		65.1471	0.0963	41.7671	0.0725	41.8971	0.0924
		62.5531	0.1113	39.1331	0.0608	44.1331	0.0984
		60.0311	0.1144	36.4851	0.0468	46.3301	0.1095
		57.4021	0.1138	33.8361	0.0437	48.5801	0.1106
		54.8021	0.0986	31.6451	0.0482	50.7741	0.1131
		52.2281	0.0939	33.1131	0.0530	53.0121	0.1243
		49.6341	0.0858	35.3571	0.0526	55.2351	0.1381
		46.9901	0.0861	37.4991	0.0609	57.4781	0.1393
		44.4031	0.0765	39.6871	0.0702	59.7411	0.1412
		41.7671	0.0675	41.8971	0.0867	61.9651	0.1404
		39.1331	0.0542	44.1331	0.0929	64.2011	0.1673
		36.4851	0.0375	46.3301	0.1063	66.4241	0.1493
		33.8361	0.0397	48.5801	0.1043	68.7081	0.1604
		31.6451	0.0381	50.7741	0.1071	70.9241	0.1649
		33.1131	0.0461	53.0121	0.1157	73.1871	0.1553
		35.3571	0.0526	55.2351	0.1295	75.4441	0.1611
		37.4991	0.0564	57.4781	0.1310	77.6871	0.1626
		39.6871	0.0671	59.7411	0.1343	80.3161	0.1674
		41.8971	0.0820	61.9651	0.1294	82.5391	0.1726
		44.1331	0.0831	64.2011	0.1831	84.8301	0.1698
		46.3301	0.0955	66.4241	0.1438	87.0931	0.1569
		48.5801	0.0951	68.7081	0.1469	89.3634	0.1568
		50.7741	0.0992	70.9241	0.1496	91.5727	0.1588
		53.0121	0.1090	73.1871	0.1448	93.8365	0.1669
		55.2351	0.1188	75.4441	0.1459	96.1001	0.1681
		57.4781	0.1182	77.6871	0.1487	97.9042	0.1344
		59.7411	0.1207	80.3161	0.1528		
		61.9651	0.1176	82.5391	0.1565		
		64.2011	0.1440	84.8301	0.1546	Scan 10, 117.8 psig	
		66.4241	0.1257	87.0931	0.1432	98.1200	0.2670
		68.7081	0.1333	89.3634	0.1417	98.1200	0.2670
		70.9241	0.1375	91.5727	0.1360	98.1200	0.2670
		73.1871	0.1264	93.8365	0.1503	95.5932	0.1898
		75.4441	0.1314	96.1001	0.1531	93.1200	0.1817
		77.6871	0.1343	97.9042	0.1432	90.6675	0.1752
		80.3161	0.1349				

Reinforced Concrete Test Data

Track 1 - High Pressure Test

88.1271	0.1689	70.2891	0.1867	46.9901	0.1188	37.4991	0.0827
85.5731	0.1783	67.7281	0.1759	44.4031	0.1128	39.6871	0.0971
83.0451	0.1878	65.1471	0.1686	41.7671	0.0950	41.8971	0.1233
80.4911	0.1842	62.5531	0.1574	39.1331	0.0741	44.1331	0.1334
77.9381	0.1724	60.0311	0.1487	36.4851	0.0576	46.3301	0.1419
75.4111	0.1644	57.4021	0.1536	33.8361	0.0541	48.5801	0.1451
72.8231	0.1684	54.8021	0.1360	31.6451	0.0366	50.7741	0.1539
70.2891	0.1774	52.2281	0.1226	33.1131	0.0573	53.0121	0.1705
67.7281	0.1635	49.6331	0.1082	35.3571	0.0644	55.2351	0.1879
65.1471	0.1548	46.9901	0.1074	37.4991	0.0737	57.4781	0.1971
62.5531	0.1490	44.4031	0.1018	39.6871	0.0909	59.7411	0.1973
60.0311	0.1386	41.7671	0.0848	41.8971	0.1121	61.9651	0.1985
57.4021	0.1456	39.1331	0.0643	44.1331	0.1199	64.2011	0.2638
54.8021	0.1270	36.4851	0.0451	46.3301	0.1310	66.4241	0.2288
52.2281	0.1120	33.8361	0.0459	48.5801	0.1327	68.7081	0.2395
49.6331	0.1011	31.6451	0.0425	50.7741	0.1402	70.9241	0.2460
46.9901	0.1032	33.1131	0.0536	53.0121	0.1533	73.1871	0.2350
44.4031	0.0975	35.3571	0.0565	55.2351	0.1688	75.4441	0.2411
41.7671	0.0812	37.4991	0.0676	57.4781	0.1731	77.6871	0.2509
39.1331	0.0671	39.6871	0.0822	59.7411	0.1788	80.3161	0.2593
36.4851	0.0426	41.8971	0.0985	61.9651	0.1759	82.5391	0.2669
33.8361	0.0470	44.1331	0.1061	64.2011	0.2313	84.8301	0.2646
31.6451	0.0277	46.3301	0.1158	66.4241	0.2008	87.0931	0.2506
29.1131	0.0557	48.5801	0.1192	68.7081	0.2080	89.3634	0.2538
26.5571	0.0553	50.7741	0.1265	70.9241	0.2137	91.5727	0.2648
23.9991	0.0622	53.0121	0.1397	73.1871	0.2053	93.8365	0.2747
21.6871	0.0751	55.2351	0.1519	75.4441	0.2098	96.1001	0.2818
19.8971	0.0974	57.4781	0.1583	77.6871	0.2166	97.9042	0.2835
17.4331	0.1024	59.7411	0.1575	80.3161	0.2267		
14.6301	0.1141	61.9651	0.1573	82.5391	0.2297		
11.8501	0.1126	64.2011	0.1913	84.8301	0.2282		
9.7741	0.1167	66.4241	0.1668	87.0931	0.2134		
53.0121	0.1232	68.7081	0.1851	89.3634	0.2148		
55.2351	0.1424	70.9241	0.1887	91.5727	0.2250		
57.4781	0.1480	73.1871	0.1796	93.8365	0.2318		
59.7411	0.1511	75.4441	0.1816	96.1001	0.2367		
61.9651	0.1503	77.6871	0.1875	97.9042	0.2579		
64.2011	0.1721	80.3161	0.1942				
66.4241	0.1665	82.5391	0.2002				
68.7081	0.1714	84.8301	0.1980				
70.9241	0.1780	87.0931	0.1846				
73.1871	0.1658	89.3634	0.1826				
75.4441	0.1723	91.5727	0.1883				
77.6871	0.1760	93.8365	0.1984				
80.3161	0.1825	96.1001	0.2019				
82.5391	0.1866	97.9042	0.1710				
84.8301	0.1844						
87.0931	0.1711						
89.3634	0.1704						
91.5727	0.1755						
93.8365	0.1798						
96.1001	0.1879						
97.9042	0.1640						
Scan 11, 120.9 psig				Scan 12, 125.8 psig			
98.1200	0.2127	98.1200	0.2450	98.1200	0.2887	98.1200	0.3972
98.1200	0.2127	98.1200	0.2450	98.1200	0.2887	98.1200	0.3972
98.1200	0.2127	98.1200	0.2450	98.1200	0.2887	98.1200	0.3972
95.5932	0.2057	95.5932	0.2403	95.5932	0.2826	95.5932	0.3883
93.1200	0.1940	93.1200	0.2264	93.1200	0.2687	93.1200	0.3768
90.6675	0.1870	90.6675	0.2200	90.6675	0.2572	90.6675	0.3613
88.1271	0.1857	88.1271	0.2146	88.1271	0.2538	88.1271	0.3465
85.5731	0.1893	85.5731	0.2194	85.5731	0.2560	85.5731	0.3471
83.0451	0.2010	83.0451	0.2352	83.0451	0.2699	83.0451	0.3578
80.4911	0.1990	80.4911	0.2289	80.4911	0.2673	80.4911	0.3547
77.9581	0.1867	77.9581	0.2148	77.9581	0.2503	77.9581	0.3304
75.4111	0.2013	75.4111	0.2013	75.4111	0.2356	75.4111	0.3043
72.8231	0.2019	72.8231	0.2019	72.8231	0.2341	72.8231	0.3023
70.2891	0.2121	70.2891	0.2121	70.2891	0.2444	70.2891	0.3089
67.7281	0.1990	67.7281	0.1990	67.7281	0.2352	67.7281	0.2930
65.1471	0.1875	65.1471	0.1875	65.1471	0.2134	65.1471	0.2394
62.5531	0.1721	62.5531	0.1721	62.5531	0.2003	62.5531	0.2549
60.0311	0.1649	60.0311	0.1649	60.0311	0.1864	60.0311	0.2433
57.4021	0.1720	57.4021	0.1720	57.4021	0.1917	57.4021	0.2348
54.8021	0.1532	54.8021	0.1532	54.8021	0.1722	54.8021	0.2129
52.2281	0.1384	52.2281	0.1384	52.2281	0.1545	52.2281	0.1896
49.6331	0.1241	49.6331	0.1241	49.6331	0.1371	49.6331	0.1684
46.9901	0.1074	46.9901	0.1074	46.9901	0.1122	46.9901	0.1578
44.4031	0.0848	44.4031	0.0848	44.4031	0.0857	44.4031	0.1535
41.7671	0.0643	41.7671	0.0643	41.7671	0.0639	41.7671	0.1299
39.1331	0.0451	39.1331	0.0451	39.1331	0.0536	39.1331	0.1019
36.4851	0.0366	36.4851	0.0366	36.4851	0.0408	36.4851	0.0784
33.8361	0.0541	33.8361	0.0541	33.8361	0.0672	33.8361	0.0644
31.6451	0.0366	31.6451	0.0366	31.6451	0.0672	31.6451	0.0512
33.1131	0.0573	33.1131	0.0573	33.1131	0.0672	33.1131	0.0702
35.3571	0.0644	35.3571	0.0644	35.3571	0.0679	35.3571	0.0803
37.4991	0.0737	37.4991	0.0737				0.0966
39.6871	0.0909	39.6871	0.0909				0.1198
41.8971	0.1121	41.8971	0.1121				0.1462
44.1331	0.1199	44.1331	0.1199				0.1581
46.3301	0.1310	46.3301	0.1310				0.1715
48.5801	0.1327	48.5801	0.1327				0.1794
50.7741	0.1402	50.7741	0.1402				0.1891
53.0121	0.1533	53.0121	0.1533				0.2101
55.2351	0.1688	55.2351	0.1688				0.2310

Reinforced Concrete Test Data

Track 1 - High Pressure Test

57.4781	0.2412	77.6871	0.4736	97.9042	0.8339
59.7411	0.2499	80.3161	0.4878		
61.9651	0.2559	82.5391	0.5002	scan 17, 0 psig (posttest)	
64.2011	0.2150	84.8301	0.5055	98.1200	0.5834
66.4241	0.2919	87.0931	0.4988	98.1200	0.5863
68.7081	0.3060	89.3634	0.5088	97.7348	0.5869
70.9241	0.3111	91.5727	0.5255	95.5932	0.5820
73.1871	0.3032	93.8365	0.5456	93.1200	0.5629
75.4441	0.3171	96.1001	0.5507	90.6675	0.5400
77.6871	0.3277	97.9042	0.5723	88.1271	0.5142
80.3161	0.3448			85.5731	0.5026
82.5391	0.3528	Scan 16, 145.8 psig		83.0451	0.5041
84.8301	0.3541	98.1200	0.8309	80.4911	0.4903
87.0931	0.3461	98.1200	0.8309	77.9581	0.4535
89.3634	0.3508	98.1200	0.8309	75.4111	0.4123
91.5727	0.3642	95.5932	0.8214	72.8231	0.3914
93.8365	0.3700	93.1200	0.8029	70.2891	0.3835
96.1001	0.3851	90.6675	0.7762	67.7281	0.3576
97.9042	0.3903	88.1271	0.7531	65.1471	0.3288
		85.5731	0.7422	62.5531	0.2974
Scan 15, 40.2 psig		83.0451	0.7393	60.0311	0.2741
98.1200	0.5829	80.4911	0.7283	57.4021	0.2611
98.1200	0.5869	77.9581	0.6865	54.8021	0.2330
98.1200	0.5887	75.4111	0.6401	52.2281	0.1992
95.5932	0.5507	72.8231	0.6161	49.6341	0.1758
93.1200	0.5396	70.2891	0.6039	46.9901	0.1651
90.6675	0.5207	67.7281	0.5724	44.4031	0.1512
88.1271	0.5044	65.1471	0.5221	41.7671	0.1297
85.5731	0.5008	62.5531	0.4959	39.1331	0.0991
83.0451	0.5009	60.0311	0.4602	36.4851	0.0649
80.4911	0.4991	57.4021	0.4364	33.8361	0.0572
77.9581	0.4721	54.8021	0.3991	31.6451	0.0536
75.4111	0.4410	52.2281	0.3551	33.1131	0.0637
72.8231	0.4259	49.6341	0.3113	35.3571	0.0730
70.2891	0.4246	46.9901	0.2816	37.4991	0.0897
67.7281	0.4033	44.4031	0.2598	39.6871	0.1131
65.1471	0.3737	41.7671	0.2226	41.8971	0.1423
62.5531	0.3480	39.1331	0.1764	44.1331	0.1509
60.0311	0.3288	36.4851	0.1327	46.3301	0.1664
57.4021	0.3180	33.8361	0.1051	48.5801	0.1771
54.8021	0.2888	31.6451	0.0761	50.7741	0.1974
52.2281	0.2516	33.1131	0.1080	53.0121	0.2216
49.6341	0.2191	35.3571	0.1353	55.2351	0.2477
46.9901	0.2078	37.4991	0.1676	57.4781	0.2629
44.4031	0.1937	39.6871	0.2050	59.7411	0.2765
41.7671	0.1645	41.8971	0.2454	61.9651	0.2907
39.1331	0.1325	44.1331	0.2655	64.2011	0.3463
36.4851	0.1015	46.3301	0.2949	66.4241	0.3436
33.8361	0.0784	48.5801	0.3133	68.7081	0.3677
31.6451	0.1874	50.7741	0.3466	70.9241	0.3895
33.1131	0.0872	53.0121	0.3817	73.1871	0.3963
35.3571	0.1020	55.2351	0.4194	75.4441	0.4225
37.4991	0.1267	57.4781	0.4402	77.6871	0.4493
39.6871	0.1554	59.7411	0.4670	80.3161	0.4801
41.8971	0.1850	61.9651	0.4887	82.5391	0.4943
44.1331	0.2007	64.2011	0.5609	84.8301	0.5052
46.3301	0.2156	66.4241	0.5639	87.0931	0.5111
48.5801	0.2298	68.7081	0.5891	89.3634	0.5246
50.7741	0.2486	70.9241	0.6161	91.5727	0.5452
53.0121	0.2768	73.1871	0.6221	93.8365	0.5643
55.2351	0.3068	75.4441	0.6519	96.1001	0.5777
57.4781	0.4224	77.6871	0.6856	97.9042	0.5957
59.7411	0.3336	80.3161	0.7185	98.0927	0.5962
61.9651	0.3425	82.5391	0.7378	98.0793	0.5959
64.2011	0.4057	84.8301	0.7454		
66.4241	0.3940	87.0931	0.7482		
68.7081	0.4145	89.3634	0.7630		
70.9241	0.4305	91.5727	0.7830		
73.1871	0.4321	93.8365	0.8191		
75.4441	0.4488	96.1001	0.8192		

Reinforced Concrete Test Data

Track 2 - High Pressure Test

Scan 1, 49.2 psig	118.8904	0.0752	114.4204	0.0947	236.3204	0.0914	
287.2670	0.0594	116.6004	0.0825	116.8504	0.0917	236.8914	0.0887
287.2428	0.0591	114.2204	0.0918	119.1404	0.0840	237.5024	0.0848
286.7693	0.0528	111.6904	0.0837	121.6004	0.0826	238.0754	0.0820
284.3547	0.0968	109.2604	0.0857	124.0104	0.0785	238.6464	0.0842
281.4999	0.0796	106.9304	0.0894	126.4404	0.0838	239.2594	0.0847
278.8584	0.0739	104.7404	0.0899	128.7304	0.0801	239.8494	0.0868
276.3004	0.0632	102.1504	0.0916	131.1904	0.0833	240.4424	0.0913
273.7274	0.0532	99.7004	0.0954	133.7504	0.1002	241.0544	0.0913
271.2794	0.0629	97.5004	0.1069	136.1704	0.0768	241.5854	0.0945
268.7494	0.0686	94.9704	0.0989	138.6704	0.0650	242.1964	0.0959
266.2594	0.0684	92.6204	0.0913	140.9104	0.0584	242.7894	0.0974
263.8304	0.0738	90.2304	0.0968	143.4004	0.0709	243.4024	0.0940
261.2794	0.0698	87.9104	0.1092	145.8304	0.0751	244.0134	0.0899
258.7684	0.0793	85.6004	0.0995	148.0504	0.0468	244.6254	0.0890
256.3614	0.0810	83.2004	0.0920	150.5804	0.0759	245.1554	0.0856
253.9524	0.0887	80.7304	0.0922	152.8904	0.0699	245.7684	0.0896
251.4014	0.0830	78.1404	0.0956	155.3804	0.0645	246.2994	0.0841
248.9524	0.0725	75.6204	0.0903	157.5604	0.0647	246.7894	0.0829
246.5434	0.0830	73.0904	0.0870	159.8704	0.0618	247.3814	0.0799
244.1154	0.0929	70.5204	0.0871	162.1604	0.0702	247.9734	0.0780
241.5854	0.0903	67.9704	0.0815	164.5204	0.0680	248.5854	0.0770
238.9924	0.0805	65.4604	0.0902	167.0104	0.0719	249.1774	0.0800
236.7084	0.0827	62.9504	0.0829	169.4604	0.0795	249.7484	0.0788
234.2994	0.0842	60.5004	0.0798	171.8304	0.0916	250.3204	0.0801
231.8304	0.0858	57.9904	0.0893	174.0104	0.0658	250.9324	0.0820
229.3614	0.0863	55.6104	0.0682	176.5604	0.0681	251.5244	0.0820
226.9524	0.0864	53.0904	0.0694	179.1604	0.0625	252.1164	0.0815
224.4834	0.0894	50.2404	0.0627	181.5204	0.0622	252.7274	0.0811
222.0344	0.0856	47.7804	0.0587	183.9104	0.0701	253.3194	0.0867
219.6254	0.0884	44.9304	0.0522	186.3804	0.0751	253.9114	0.0823
216.9114	0.0865	42.2704	0.0396	188.9314	0.0838	254.5224	0.0814
214.5644	0.0861	39.8304	0.0435	191.3384	0.0817	255.1364	0.0832
212.0744	0.0727	37.3804	0.0365	193.8684	0.0834	255.7284	0.0835
209.8284	0.0689	35.1304	0.0319	196.3614	0.0843	256.3404	0.0856
207.4634	0.0967	32.6904	0.0111	198.1544	0.0841	256.8704	0.0845
205.1154	0.0876	30.2404	0.0205	199.9324	0.0873	257.5854	0.0830
202.6664	0.0833	29.4204	0.0157	201.0534	0.0876	258.1354	0.0828
200.3194	0.0864	31.8704	0.0203	202.1754	0.0900	258.6654	0.0818
197.9714	0.0755	34.5204	0.0297	203.3404	0.0853	259.2594	0.0829
195.5654	0.0780	36.9704	0.0332	204.5214	0.0846	259.8714	0.0829
193.0524	0.0796	39.6304	0.0422	205.6674	0.0942	260.5444	0.0829
190.6674	0.0803	42.0704	0.0413	206.8904	0.1011	261.1574	0.0840
188.2794	0.0770	44.7304	0.0561	207.9724	0.0927	261.7684	0.0839
185.7704	0.0708	47.1804	0.0660	209.0754	0.0701	262.3604	0.0828
183.3604	0.0646	49.8304	0.0656	210.2174	0.0695	262.9534	0.0798
180.9304	0.0586	52.2804	0.0744	211.3384	0.0792	263.5234	0.0775
178.4404	0.0624	54.8704	0.0722	212.4424	0.0832	264.1364	0.0769
175.6704	0.0556	57.2204	0.1019	213.6854	0.0808	264.7284	0.0751
173.2004	0.0548	59.6204	0.0840	214.8104	0.0840	265.3404	0.0786
170.9104	0.0739	61.9704	0.0812	215.9114	0.0891	265.8914	0.0797
167.8504	0.0624	64.3504	0.0886	217.0344	0.0902	266.4424	0.0797
165.4204	0.0640	66.7104	0.0938	218.1554	0.0838	266.9724	0.0795
162.8704	0.0623	69.1104	0.0951	219.4834	0.0941	267.5854	0.0765
160.4004	0.0654	71.4204	0.0945	220.6044	0.0949	268.1364	0.0738
157.9904	0.0549	73.8504	0.0980	221.8714	0.0880	268.7284	0.0684
155.7504	0.0622	76.1604	0.0949	223.0144	0.0868	269.4014	0.0670
153.0904	0.0896	78.5204	0.0977	224.1974	0.0875	270.0754	0.0686
150.6904	0.0574	80.8904	0.0923	225.5854	0.0914	270.6874	0.0710
148.1004	0.0434	83.2804	0.0965	226.9114	0.0942	271.3004	0.0717
145.8504	0.0799	85.6004	0.0996	228.0744	0.0977	271.8304	0.0742
143.3204	0.0656	87.9504	0.1055	229.2594	0.0908	272.4424	0.0710
140.7704	0.0646	90.3104	0.1093	230.5244	0.0926	272.9534	0.0686
138.3404	0.0658	92.7504	0.1073	231.1164	0.0924	273.5444	0.0646
135.8504	0.0764	95.0904	0.1011	231.7084	0.0895	274.1564	0.0643
133.3604	0.0804	97.6704	0.1049	232.2594	0.0926	274.7084	0.0645
131.0704	0.0728	99.8704	0.1010	232.8504	0.0926	275.3404	0.0612
128.5004	0.0760	102.2804	0.0954	233.4624	0.0885	275.9524	0.0670
126.2604	0.0806	104.8904	0.0962	234.0554	0.0896	276.6264	0.0675
123.7904	0.0715	107.0904	0.0924	234.6664	0.0886	277.2304	0.0651
121.1204	0.0763	109.5404	0.0905	235.2584	0.0911	277.8874	0.0645
		111.8904	0.0895	235.8094	0.0905	278.4509	0.0677

Reinforced Concrete Test Data

Track 2 - High Pressure Test

279.1427	0.0709	160.4004	0.0814	73.8504	0.1162	221.8714	0.1109
279.7590	0.0677	157.9904	0.0803	76.1604	0.1127	223.0144	0.1084
280.3917	0.0752	155.7504	0.0846	78.5204	0.1183	224.1974	0.1077
281.0345	0.0819	153.0904	0.1023	80.8904	0.1146	225.5854	0.1109
281.6305	0.0801	150.6904	0.0706	83.2804	0.1153	226.9114	0.1157
282.2366	0.0797	148.1004	0.0741	85.6904	0.1180	228.0744	0.1188
282.8631	0.1537	145.8504	0.0974	87.9504	0.1307	229.2594	0.1141
283.5346	0.0989	143.3204	0.0807	90.3104	0.1298	230.5244	0.1180
284.2896	0.0085	140.7704	0.0837	92.7504	0.1247	231.1164	0.1155
285.0120	0.0647	138.3404	0.0844	95.0904	0.1216	231.7084	0.1115
285.6183	0.0588	135.8504	0.0956	97.6704	0.1297	232.2594	0.1145
285.2792	0.0632	133.3604	0.1168	99.8704	0.1258	232.8504	0.1159
286.8976	0.0632	131.0704	0.0941	102.2804	0.1164	233.4624	0.1149
287.1877	0.0556	128.5004	0.0969	104.8904	0.1186	234.0554	0.1176
287.2096	0.0701	126.2604	0.1049	107.0904	0.1166	234.6664	0.1170
287.1425	0.0711	123.7904	0.0962	109.5404	0.1121	235.2584	0.1157
Scan 2, 59.6 psig		121.4204	0.0935	111.8904	0.1091	235.8094	0.1146
287.2670	0.0695	118.8904	0.0921	114.4204	0.1130	236.3204	0.1125
287.2428	0.0690	116.6004	0.1014	116.8504	0.1067	236.8914	0.1104
286.7693	0.0617	114.2204	0.1099	119.1404	0.1007	237.5024	0.1077
284.3547	0.1254	111.6904	0.1042	121.6004	0.1037	238.0754	0.1036
281.4999	0.0892	109.3604	0.1065	124.0104	0.1006	238.6464	0.1050
278.8584	0.0860	106.9304	0.1052	126.4404	0.1067	239.2594	0.1070
276.3004	0.0791	104.7404	0.1119	128.7304	0.1016	239.8494	0.1079
273.7274	0.0748	102.1504	0.1157	131.1904	0.1072	240.4424	0.1116
271.2794	0.0840	99.7004	0.1130	133.7504	0.1477	241.0544	0.1136
268.7494	0.0894	97.5004	0.1253	136.1704	0.0963	241.5854	0.1141
266.2594	0.0900	94.9704	0.1173	138.6704	0.0836	242.1964	0.1153
263.8304	0.0887	92.6204	0.1158	140.9104	0.0765	242.7894	0.1207
261.2794	0.0909	90.2304	0.1184	143.4004	0.0752	243.4024	0.1128
258.7684	0.1005	87.9104	0.1316	145.8304	0.0997	244.0134	0.1119
256.3614	0.1017	85.6004	0.1239	148.0504	0.0767	244.6254	0.1137
253.9524	0.1110	83.2004	0.1181	150.5804	0.0575	245.1554	0.1137
251.4014	0.1038	80.7304	0.1122	152.8904	0.1049	245.7684	0.1082
248.9524	0.0939	78.1404	0.1153	155.3804	0.0894	246.2994	0.1041
246.5434	0.1100	75.6204	0.1163	157.5604	0.0799	246.7894	0.1037
244.1154	0.1064	73.0904	0.1143	159.8704	0.0793	247.3814	0.1011
241.5854	0.1096	70.5204	0.1077	162.1604	0.0846	247.9734	0.0998
238.9924	0.1020	67.9704	0.0959	164.5204	0.0842	248.5854	0.0972
236.7084	0.1019	65.4604	0.1093	167.0104	0.0878	249.1774	0.0980
234.2994	0.1102	62.9504	0.0997	169.4604	0.1003	249.7484	0.1002
231.8304	0.1064	60.5004	0.0996	171.8304	0.1156	250.3204	0.1015
229.3614	0.1113	57.9904	0.1011	174.0104	0.0818	250.9324	0.1034
226.9524	0.1106	55.6104	0.0817	176.5604	0.0894	251.5244	0.1034
224.4834	0.1074	53.0904	0.0815	179.1604	0.0829	252.1164	0.1015
222.0344	0.1083	50.2404	0.0791	181.5204	0.0815	252.7274	0.1029
219.6254	0.1102	47.7804	0.0749	183.9104	0.0899	253.3194	0.1076
216.9114	0.1049	44.9404	0.0627	186.3804	0.0915	253.9114	0.1034
214.5644	0.1067	42.2704	0.0467	188.9314	0.1037	254.5224	0.1001
212.0744	0.0937	39.8304	0.0502	191.3384	0.1040	255.1364	0.1014
209.8284	0.0900	37.3804	0.0439	193.8684	0.1024	255.7284	0.1028
207.4634	0.1211	35.1304	0.0312	196.3614	0.1068	256.3404	0.1017
205.1154	0.1119	32.6904	0.0197	198.1544	0.0998	256.8704	0.1011
202.6664	0.1026	30.2404	0.0201	199.9324	0.1068	257.5854	0.0998
200.3194	0.1022	29.4204	0.0208	201.0534	0.1082	258.1354	0.0997
197.9714	0.0938	31.8704	0.0267	202.1754	0.1081	258.6654	0.0997
195.5654	0.0982	34.5204	0.0359	203.5404	0.1079	259.2594	0.0971
193.0524	0.1009	36.9704	0.0428	204.5214	0.1056	259.8714	0.0987
190.6674	0.1000	39.6304	0.0545	205.6674	0.1151	260.5444	0.0997
188.2794	0.0987	42.0704	0.0506	206.8904	0.1242	261.1574	0.1006
185.7704	0.0863	44.7304	0.0709	207.9724	0.1195	261.7684	0.1012
183.3604	0.0837	47.1804	0.0788	209.0754	0.1060	262.3604	0.1006
180.9304	0.0829	49.8304	0.0786	210.2174	0.0995	262.9534	0.0964
178.4404	0.0892	52.2804	0.0913	211.3384	0.0973	263.5234	0.0941
175.6704	0.0867	54.8704	0.0941	212.4424	0.1028	264.1364	0.0926
173.2004	0.0913	57.2204	0.1167	213.6854	0.1034	264.7284	0.0912
170.9104	0.0989	59.6204	0.1126	214.8104	0.1047	265.3404	0.0932
167.8504	0.0768	61.9704	0.1003	215.9114	0.1109	265.8914	0.0955
165.4204	0.0846	64.3504	0.1045	217.0344	0.1111	266.4424	0.0960
162.8704	0.0919	66.7104	0.1110	218.1554	0.1065	266.9724	0.0960
		69.1104	0.1124	219.4834	0.1170	267.5854	0.0925
		71.4204	0.1124	220.6044	0.1167	268.1364	0.0904

Reinforced Concrete Test Data

Track 2 - High Pressure Test

268.7284	0.0870	202.6664	0.1298	31.8704	0.0273	202.1754	0.1326
269.4014	0.0857	200.3194	0.1275	34.5204	0.0406	203.3404	0.1302
270.0754	0.0882	197.9714	0.1194	36.9704	0.0535	204.5214	0.1307
270.6874	0.0875	195.5654	0.1240	39.6304	0.0633	205.6674	0.1381
271.3004	0.0873	193.0524	0.1274	42.0704	0.0632	206.8904	0.1492
271.8304	0.0888	190.6674	0.1268	44.7304	0.0770	207.9724	0.1394
272.4424	0.0885	188.2794	0.1201	47.1804	0.0912	209.0754	0.1152
272.9534	0.0861	185.7704	0.1083	49.8304	0.0934	210.2174	0.1165
273.5444	0.0803	183.3604	0.1038	52.2804	0.1037	211.3384	0.1160
274.1564	0.0813	180.9304	0.1015	54.8704	0.1067	212.4424	0.1224
274.7084	0.0804	178.4404	0.1058	57.2204	0.1272	213.6854	0.1259
275.3404	0.0828	175.6704	0.1096	59.6204	0.1276	214.8104	0.1327
275.9524	0.0829	173.2004	0.1155	61.9704	0.1201	215.9114	0.1402
276.6264	0.0826	170.9104	0.1274	64.3504	0.1236	217.0344	0.1393
277.2304	0.0788	167.8504	0.1039	66.7104	0.1301	218.1554	0.1347
277.8874	0.0817	165.4204	0.1107	69.1104	0.1328	219.4834	0.1419
278.4509	0.0854	162.8704	0.1160	71.4204	0.1327	220.6044	0.1442
279.1427	0.0856	160.4004	0.1076	73.8504	0.1353	221.8714	0.1390
279.7590	0.0865	157.9904	0.1015	76.1604	0.1318	223.0144	0.1344
280.3917	0.0919	155.7504	0.1049	78.5204	0.1349	224.1974	0.1347
281.0345	0.0952	153.0904	0.1378	80.8904	0.1337	225.5854	0.1354
281.6305	0.0968	150.6904	0.1026	83.2804	0.1318	226.9114	0.1363
282.2366	0.0973	148.1004	0.0806	85.6004	0.1404	228.0744	0.1410
282.8631	0.1731	145.8504	0.1186	87.9504	0.1501	229.2594	0.1385
283.5346	0.1068	143.3204	0.1155	90.3104	0.1488	230.5244	0.1449
284.2896	0.0325	140.7704	0.1113	92.7504	0.1465	231.1164	0.1470
285.0120	0.0832	138.3404	0.1096	95.0904	0.1407	231.7084	0.1436
285.6183	0.0744	135.8504	0.1155	97.6704	0.1458	232.2594	0.1460
286.2792	0.0752	133.3604	0.1271	99.8704	0.1454	232.8504	0.1473
286.8976	0.0768	131.0704	0.1198	102.2804	0.1384	233.4624	0.1433
287.1877	0.0797	128.5004	0.1209	104.8904	0.1385	234.0554	0.1446
287.2096	0.0845	126.2604	0.1330	107.0904	0.1367	234.6664	0.1456
287.1425	0.0846	123.7904	0.1224	109.5404	0.1333	235.2584	0.1443
Scan 3, 60.3 psig		121.4204	0.1174	111.8904	0.1342	235.8094	0.1419
287.2670	0.0986	118.8904	0.1179	114.4204	0.1380	236.3204	0.1404
287.2428	0.0980	116.6004	0.1250	116.8504	0.1292	236.8914	0.1363
286.7693	0.0813	114.2204	0.1315	119.1404	0.1239	237.5024	0.1318
284.3547	0.0995	111.6904	0.1274	121.6004	0.1218	238.0754	0.1252
281.4999	0.1194	109.3604	0.1275	124.0104	0.1244	238.6464	0.1289
278.8584	0.1097	106.9304	0.1224	126.4404	0.1317	239.2594	0.1299
276.3004	0.1000	104.7404	0.1272	128.7304	0.1301	239.8494	0.1349
273.7274	0.0989	102.1504	0.1366	131.1904	0.1345	240.4424	0.1384
271.2794	0.1023	99.7004	0.1349	133.7504	0.1560	241.0544	0.1418
268.7494	0.1116	97.5004	0.1435	136.1704	0.1152	241.5854	0.1471
266.2594	0.1154	94.9704	0.1409	138.6704	0.1069	242.1964	0.1490
263.8304	0.1136	92.6204	0.1411	140.9104	0.1021	242.7894	0.1496
261.2794	0.1140	90.2304	0.1381	143.4004	0.1180	243.4024	0.1474
258.7684	0.1244	87.9104	0.1484	145.8304	0.1188	244.0134	0.1438
256.1614	0.1248	85.6004	0.1421	148.0504	0.0828	244.6254	0.1415
253.9524	0.1355	83.2004	0.1326	150.5804	0.1237	245.1554	0.1367
251.4014	0.1301	80.7304	0.1284	152.8904	0.1237	245.7684	0.1321
248.9524	0.1171	78.1404	0.1319	155.3804	0.1066	246.2994	0.1266
246.5434	0.1348	75.6204	0.1317	157.5604	0.1074	246.7894	0.1303
244.1154	0.1365	73.0904	0.1266	159.8704	0.1049	247.3814	0.1348
241.5854	0.1378	70.5204	0.1242	162.1604	0.1104	247.9734	0.1303
238.9924	0.1249	67.9704	0.1191	164.5204	0.1111	248.5854	0.1248
236.7084	0.1276	65.4604	0.1243	167.0104	0.1111	249.1774	0.1249
234.2994	0.1362	62.9504	0.1174	169.4604	0.1328	249.7484	0.1223
231.8304	0.1314	60.5004	0.1121	171.8304	0.1385	250.3204	0.1223
229.3614	0.1381	57.9904	0.1211	174.0104	0.0964	250.9324	0.1250
226.9524	0.1359	55.6104	0.0955	176.5604	0.1113	251.5244	0.1267
224.4834	0.1360	53.0904	0.0943	179.1604	0.1022	252.1164	0.1278
222.0344	0.1348	50.2404	0.0912	181.5204	0.1018	252.7274	0.1317
219.6254	0.1370	47.7804	0.0886	183.9104	0.1165	253.3194	0.1369
216.9114	0.1371	44.9304	0.0730	186.3804	0.1181	253.9114	0.1334
214.5644	0.1293	42.2704	0.0578	188.9314	0.1302	254.5224	0.1302
212.0744	0.1104	39.8304	0.0609	191.3384	0.1298	255.1364	0.1283
209.8284	0.0953	37.3804	0.0534	193.8684	0.1281	255.7284	0.1261
207.4634	0.1428	35.1304	0.0380	196.3614	0.1316	256.3404	0.1264
205.1154	0.1340	32.6904	0.0252	198.1544	0.1270	256.8704	0.1254
		30.2404	0.0257	199.9324	0.1292	257.5854	0.1251
		29.4204	0.0257	201.0534	0.1313	258.1354	0.1264

Reinforced Concrete Test Data

Track 2 - High Pressure Test

258.6654	0.1264	241.5854	0.1621	65.4604	0.1419	167.0104	0.1487
259.2594	0.1222	238.9924	0.1519	62.9504	0.1368	169.4604	0.1643
259.8714	0.1221	236.7084	0.1551	60.5004	0.1248	171.8304	0.1697
260.5444	0.1208	234.2994	0.1606	57.9904	0.1291	174.0104	0.1339
261.1574	0.1222	231.8304	0.1592	55.6104	0.1119	176.5604	0.1473
261.7684	0.1236	229.3614	0.1680	53.0904	0.1110	179.1604	0.1370
262.3604	0.1236	226.9524	0.1644	50.2404	0.1067	181.5204	0.1390
262.9534	0.1214	224.4834	0.1602	47.7804	0.1007	183.9104	0.1461
263.5234	0.1214	222.0344	0.1607	44.9304	0.0858	186.3804	0.1478
264.1364	0.1200	219.6254	0.1613	42.2704	0.0720	188.9314	0.1575
264.7284	0.1179	216.9114	0.1577	39.8304	0.0703	191.3384	0.1633
265.3404	0.1174	214.5644	0.1577	37.3804	0.0663	193.8684	0.1565
265.8914	0.1175	212.0744	0.1347	35.1304	0.0558	196.3614	0.1630
266.4424	0.1174	209.8284	0.1358	32.6904	0.0350	198.1544	0.1606
266.9724	0.1179	207.4634	0.1790	30.2404	0.0362	199.9324	0.1599
267.5854	0.1179	205.1154	0.1694	29.4204	0.0346	201.0534	0.1616
268.1364	0.1150	202.6664	0.1619	31.8704	0.0362	202.1754	0.1644
268.7284	0.1150	200.3194	0.1624	34.5204	0.0534	203.3404	0.1634
269.4014	0.1160	197.9714	0.1518	36.9704	0.0670	204.5214	0.1644
270.0754	0.1159	195.5654	0.1573	39.6304	0.0772	205.6634	0.1742
270.6874	0.1145	193.0524	0.1603	42.0704	0.0710	206.8904	0.1827
271.3004	0.1141	190.6674	0.1611	44.7304	0.0804	207.9724	0.1742
271.8304	0.1144	188.2794	0.1499	47.1804	0.1005	209.0754	0.1585
272.4424	0.1137	185.7704	0.1428	49.8304	0.1099	210.2174	0.1520
272.9534	0.1126	183.3604	0.1371	52.2804	0.1190	211.3814	0.1511
273.5444	0.1096	180.9304	0.1337	54.8704	0.1199	212.4424	0.1555
274.1564	0.1082	178.4404	0.1425	57.2204	0.1474	213.6854	0.1526
274.7084	0.1068	175.6704	0.1386	59.6204	0.1359	214.8104	0.1565
275.3404	0.1038	173.2404	0.1530	61.9704	0.1343	215.9114	0.1644
275.9524	0.1037	170.9104	0.1607	64.3504	0.1416	217.0344	0.1677
276.6264	0.1025	167.8504	0.1421	66.7104	0.1449	218.1554	0.1649
277.2704	0.1013	165.4204	0.1517	69.1104	0.1488	219.4814	0.709
277.8874	0.1036	162.8704	0.1555	71.4204	0.1463	220.6044	0.1679
278.4509	0.1047	160.4804	0.1418	73.8504	0.1524	221.8714	0.1644
279.1427	0.1062	157.9904	0.1378	76.1604	0.1509	223.0144	0.1626
279.7590	0.1068	155.7504	0.1392	78.5204	0.1567	224.1974	0.1610
280.3917	0.1136	153.0904	0.1551	80.8904	0.1529	225.5854	0.1605
281.0345	0.1195	150.6904	0.1314	83.2804	0.1527	226.9114	0.1616
281.6305	0.1241	148.1004	0.1309	85.6004	0.1530	228.0744	0.1677
282.2366	0.1288	145.8504	0.1529	87.9504	0.1662	229.2594	0.1647
282.8631	0.2093	143.3204	0.1385	90.3104	0.1665	230.5244	0.1687
283.5346	0.1375	140.7704	0.1394	92.7504	0.1647	231.1164	0.1687
284.2896	0.0275	138.3404	0.1425	95.0904	0.1533	231.7084	0.1672
285.0120	0.0863	135.8504	0.1504	97.6704	0.1627	232.2504	0.1699
285.6183	0.0911	133.3604	0.1713	99.8704	0.1640	232.8504	0.1710
286.2792	0.0931	131.0704	0.1583	102.2804	0.1613	233.4624	0.1675
286.8976	0.1008	128.5004	0.1515	104.8904	0.1587	234.0554	0.1669
287.1877	0.1052	126.2604	0.1582	107.0904	0.1573	234.6664	0.1675
287.2096	0.1110	123.7904	0.1499	109.5404	0.1539	235.2584	0.1679
287.1425	0.1126	121.4204	0.1488	111.8904	0.1538	235.8094	0.1664
		118.8904	0.1471	114.4204	0.1606	236.3204	0.1642
		116.6004	0.1510	116.8504	0.1556	236.8914	0.1601
		114.2204	0.1584	119.1404	0.1510	237.5024	0.1560
		111.6904	0.1521	121.6004	0.1499	238.0754	0.1528
		109.3604	0.1487	124.0104	0.1514	238.6464	0.1574
		106.9304	0.1437	126.4404	0.1589	239.2594	0.1614
		104.7404	0.1524	128.7304	0.1569	239.8494	0.1594
		102.1504	0.1560	131.1904	0.1575	240.4424	0.1629
		99.7004	0.1527	133.7504	0.1960	241.0544	0.1649
		97.5004	0.1633	136.1704	0.1547	241.5854	0.1713
		94.9704	0.1494	138.6704	0.1437	242.1964	0.1705
		92.6204	0.1535	140.9104	0.1350	242.7894	0.1714
		90.2304	0.1583	143.4004	0.1405	243.4024	0.1670
		87.9104	0.1711	145.8304	0.1485	244.0134	0.1642
		85.6004	0.1644	148.0504	0.1264	244.6254	0.1677
		83.2004	0.1460	150.5804	0.1420	245.1554	0.1647
		80.7304	0.1466	152.8904	0.1512	245.7684	0.1687
		78.1404	0.1551	155.3804	0.1390	246.2994	0.1601
		75.6204	0.1533	157.5604	0.1401	246.7894	0.1609
		73.0904	0.1452	159.8704	0.1376	247.3814	0.1596
		70.5204	0.1388	162.1604	0.1475	247.9734	0.1537
		67.9704	0.1335	164.5204	0.1451	248.5854	0.1489

Scan 4, 80.2 psig

Reinforced Concrete Test Data

Track 2 - High Pressure Test

249.1774	0.1488	284.3547	0.1172	106.9304	0.1717	126.4404	0.1862
249.7484	0.1475	281.4999	0.1515	104.7404	0.1781	128.7304	0.1922
250.3204	0.1489	278.8584	0.1420	102.1504	0.1841	131.1904	0.1941
250.9324	0.1514	276.3004	0.1345	99.7004	0.1841	133.7504	0.2338
251.5244	0.1502	273.7274	0.1379	97.5004	0.1910	136.1704	0.1724
252.1164	0.1475	271.2794	0.1461	94.9704	0.1813	138.6704	0.1698
252.7274	0.1495	268.7494	0.1553	92.6204	0.1784	140.9104	0.1661
253.3194	0.1542	266.2594	0.1554	90.2304	0.1863	143.4004	0.1625
253.9114	0.1513	263.8304	0.1509	87.9104	0.1985	145.8304	0.1852
254.5224	0.1496	261.2794	0.1552	85.6004	0.1842	148.0504	0.1573
255.1364	0.1496	258.7684	0.1705	83.2004	0.1729	150.5804	0.1525
255.7284	0.1498	256.3614	0.1726	80.7304	0.1759	152.8904	0.1978
256.3404	0.1510	253.9524	0.1831	78.1404	0.1779	155.3804	0.1723
256.8704	0.1496	251.4014	0.1675	75.6204	0.1798	157.5604	0.1732
257.5854	0.1489	248.9524	0.1631	73.0904	0.1661	159.8704	0.1714
258.1354	0.1464	246.5434	0.1720	70.5204	0.1610	162.1604	0.1787
258.6654	0.1482	244.1154	0.1911	67.9704	0.1573	164.5204	0.1750
259.2594	0.1448	241.5854	0.1870	65.4604	0.1621	167.0104	0.1872
259.8714	0.1459	238.9924	0.1749	62.9504	0.1566	169.4604	0.1964
260.5444	0.1447	236.7084	0.1731	60.5004	0.1516	171.8304	0.2279
261.1574	0.1459	234.2994	0.1853	57.9904	0.1580	174.0104	0.1657
261.7684	0.1459	231.8304	0.1853	55.6104	0.1331	176.5604	0.1753
262.3604	0.1447	229.3614	0.1904	53.0904	0.1289	179.1604	0.1741
262.9534	0.1419	226.9524	0.1880	50.2404	0.1274	181.5204	0.1712
263.5234	0.1410	224.4834	0.1865	47.7804	0.1188	183.9104	0.1793
264.1364	0.1404	222.0344	0.1885	44.9304	0.0992	186.3804	0.1793
264.7284	0.1390	219.6254	0.1948	42.2704	0.0856	188.9314	0.1866
265.3404	0.1384	216.9114	0.1909	39.8304	0.0870	191.3384	0.1953
265.8914	0.1390	214.5644	0.1871	37.3804	0.0791	193.8684	0.1941
266.4424	0.1396	212.0744	0.1752	35.1304	0.0647	196.3614	0.1981
266.9724	0.1404	209.8284	0.1721	32.6904	0.0444	198.1544	0.1960
267.5854	0.1394	207.4634	0.2100	30.2404	0.0496	199.9324	0.1916
268.1364	0.1390	205.1154	0.2033	29.4204	0.0478	201.0534	0.1947
268.7284	0.1351	202.6664	0.1890	31.8704	0.0501	202.1754	0.1971
269.4014	0.1359	200.3194	0.1897	34.5204	0.0542	203.3404	0.1957
270.0754	0.1350	197.9714	0.1859	36.9704	0.0800	204.5214	0.1951
270.6874	0.1362	195.5654	0.1899	39.6304	0.0909	205.6674	0.2037
271.3004	0.1305	193.0524	0.1931	42.0704	0.0875	206.8904	0.2120
271.8304	0.1295	190.6674	0.1896	44.7304	0.1031	207.9724	0.2071
272.4424	0.1290	188.2794	0.1839	47.1804	0.1153	209.0754	0.1896
272.9534	0.1277	185.7704	0.1729	49.8304	0.1250	210.2174	0.1816
273.5444	0.1246	183.3604	0.1738	52.2804	0.1380	211.3384	0.1801
274.1564	0.1270	180.9304	0.1701	54.8704	0.1387	212.4424	0.1833
274.7084	0.1264	178.4404	0.1787	57.2204	0.1657	213.6854	0.1820
275.3404	0.1252	175.6704	0.1733	59.6204	0.1503	214.8104	0.1862
275.9524	0.1236	173.2004	0.1815	61.9704	0.1520	215.9114	0.1938
276.6264	0.1243	170.9104	0.2020	64.3504	0.1625	217.0344	0.1994
277.2304	0.1208	167.8504	0.1784	66.7104	0.1700	218.1554	0.1990
277.8874	0.1234	165.4204	0.1885	69.1104	0.1708	219.4834	0.1987
278.4509	0.1267	162.8704	0.1852	71.4204	0.1689	220.6044	0.1958
279.1427	0.1259	160.4004	0.1730	73.8504	0.1753	221.8714	0.1937
279.7590	0.1235	157.9904	0.1703	76.1604	0.1737	223.0144	0.1941
280.3917	0.1304	155.7504	0.1775	78.5204	0.1770	224.1974	0.1897
281.0345	0.1373	153.0904	0.1939	80.8904	0.1773	225.5854	0.1834
281.6305	0.1369	150.6904	0.1619	83.2804	0.1740	226.9114	0.1868
282.2366	0.1359	148.1004	0.1482	85.6004	0.1747	228.0744	0.1898
282.8631	0.1861	145.8504	0.1824	87.9504	0.1896	229.2594	0.1911
283.5346	0.1397	143.3204	0.1739	90.3104	0.1902	230.5244	0.1962
284.2896	0.1038	140.7704	0.1768	92.7504	0.1898	231.1164	0.1969
285.0120	0.1172	138.3404	0.1766	95.0904	0.1874	231.7084	0.1928
285.6183	0.1105	135.8504	0.1766	97.6704	0.1903	232.2594	0.1936
286.2792	0.1110	133.3604	0.1928	99.8704	0.1896	232.8504	0.1959
286.8976	0.1139	131.0704	0.1839	102.2804	0.1838	233.4624	0.1936
287.1877	0.1183	128.5004	0.1848	104.8904	0.1864	234.0554	0.1896
287.3244	0.1163	126.2604	0.1925	107.0904	0.1828	234.6664	0.1870
		123.7904	0.1820	109.5404	0.1823	235.2584	0.1902
		121.4204	0.1707	111.8904	0.1774	235.8094	0.1903
		118.8904	0.1724	114.4204	0.1875	236.3204	0.1875
		116.6004	0.1786	116.8504	0.1840	236.8914	0.1830
		114.2204	0.1863	119.1404	0.1790	237.5024	0.1782
		111.6904	0.1804	121.6004	0.1784	238.0754	0.1738
		109.3604	0.1742	124.0104	0.1758	238.6464	0.1754
Scan 5, 90.6 psig							
287.2670	0.1287						
287.2428	0.1279						
286.7693	0.1299						

Reinforced Concrete Test Data

Track 2 - High Pressure Test

239.2594	0.1790	282.2366	0.1583	145.8504	0.1969	87.9504	0.2067
239.8494	0.1811	282.8631	0.2088	143.3204	0.1946	90.3104	0.2058
240.4424	0.1841	283.5346	0.1619	140.7704	0.1892	92.7504	0.2022
241.0544	0.1854	284.2896	0.0776	138.3404	0.1841	95.0904	0.1986
241.5854	0.1904	285.0120	0.1339	135.8504	0.1971	97.6704	0.2052
242.1964	0.1960	285.6183	0.1246	133.3604	0.2309	99.8704	0.2097
242.7894	0.1970	286.2792	0.1295	131.0704	0.2030	102.2804	0.2018
243.4024	0.1948	286.8976	0.1331	128.5004	0.2043	104.8904	0.2036
244.0134	0.1929	287.1877	0.1367	126.2604	0.2073	107.0904	0.2022
244.6254	0.1910	287.3244	0.1511	123.7904	0.1911	109.5404	0.2003
245.1554	0.1902			121.4204	0.1966	111.8904	0.1975
245.7684	0.1883	Scan 6, 95.7 psig		118.8904	0.1927	114.4204	0.2046
246.2994	0.1786			116.6004	0.1980	116.8504	0.2005
246.7894	0.1809	287.2670	0.1459	114.2204	0.2041	119.1404	0.1971
247.3814	0.1803	287.2428	0.1450	111.6904	0.1958	121.6004	0.1921
247.9734	0.1762	286.7693	0.1428	109.3604	0.1897	124.0104	0.1947
248.5854	0.1714	284.3547	0.1358	106.9304	0.1915	126.4404	0.2041
249.1774	0.1711	281.4999	0.1634	104.7404	0.2008	128.7304	0.2025
249.7484	0.1677	278.8584	0.1529	102.1504	0.2016	131.1904	0.2084
250.3204	0.1684	276.3004	0.1474	99.7004	0.1972	133.7504	0.2317
250.9324	0.1719	273.7274	0.1533	97.5004	0.2047	136.1704	0.1862
251.5244	0.1741	271.2794	0.1617	94.9704	0.1978	138.6704	0.1871
252.1164	0.1722	268.7494	0.1714	92.6204	0.1984	140.9104	0.1831
252.7274	0.1736	266.2594	0.1681	90.2304	0.2058	143.4004	0.1932
253.3194	0.1776	263.8304	0.1641	87.9104	0.2133	145.8304	0.1959
253.9114	0.1770	261.2794	0.1718	85.6004	0.2036	148.0504	0.1552
254.5224	0.1726	258.7684	0.1876	83.2004	0.1900	150.5804	0.1833
255.1364	0.1741	256.3614	0.1908	80.7304	0.1919	152.8904	0.2099
255.7284	0.1737	253.9524	0.1881	78.1404	0.1969	155.3804	0.1888
256.3404	0.1777	251.4014	0.1834	75.6204	0.1927	157.5604	0.1871
256.8704	0.1770	248.9524	0.1792	73.0904	0.1770	159.8704	0.1867
257.5854	0.1759	246.5434	0.1960	70.5204	0.1757	162.1604	0.1958
258.1354	0.1719	244.1154	0.2052	67.9704	0.1743	164.5204	0.1881
258.6654	0.1702	241.5854	0.2036	65.4604	0.1826	167.0104	0.1960
259.2594	0.1659	238.9924	0.1862	62.9504	0.1706	169.4604	0.2136
259.8714	0.1657	236.7084	0.1919	60.5004	0.1588	171.8304	0.2163
260.5444	0.1660	234.2994	0.2071	57.9904	0.1566	174.0104	0.1858
261.1574	0.1689	231.8304	0.2050	55.6104	0.1488	176.5604	0.1910
261.7684	0.1713	229.3614	0.2071	53.0904	0.1430	179.1604	0.1897
262.3604	0.1703	226.9524	0.2009	50.2404	0.1380	181.5204	0.1901
262.9534	0.1651	224.4834	0.1981	47.7804	0.1225	183.9104	0.1953
263.5234	0.1623	222.0344	0.2078	44.9304	0.1071	186.3804	0.1977
264.1364	0.1591	219.6254	0.2125	42.2704	0.0983	188.9314	0.2031
264.7284	0.1554	216.9114	0.2091	39.8304	0.0953	191.3384	0.2116
265.3404	0.1554	214.5644	0.2043	37.3804	0.0829	193.8684	0.2131
265.8914	0.1559	212.0744	0.1903	35.1304	0.0596	196.3614	0.2140
266.4424	0.1600	209.8284	0.1885	32.6904	0.0460	198.1544	0.2102
266.9724	0.1627	207.4634	0.2265	30.2404	0.0501	199.9324	0.2093
267.5854	0.1615	205.1154	0.2189	29.4204	0.0491	201.0534	0.2118
268.1364	0.1615	202.6664	0.1978	31.8704	0.0506	202.1754	0.2140
268.7284	0.1534	200.3194	0.2037	34.5204	0.0655	203.3404	0.2133
269.4014	0.1502	197.9714	0.2030	36.9704	0.0854	204.5214	0.2107
270.0754	0.1514	195.5654	0.2053	39.6304	0.0998	205.6674	0.2183
270.6874	0.1513	193.0524	0.2088	42.0704	0.0983	206.8904	0.2332
271.3004	0.1523	190.6674	0.2066	44.7304	0.1087	207.9724	0.2274
271.8304	0.1546	188.2794	0.1974	47.1804	0.1219	209.0754	0.2018
272.4424	0.1522	185.7704	0.1900	49.8304	0.1363	210.2174	0.1940
272.9534	0.1509	183.3604	0.1940	52.2804	0.1489	211.3384	0.1929
273.5444	0.1466	180.9304	0.1889	54.8704	0.1502	212.4424	0.1967
274.1564	0.1451	178.4404	0.1961	57.2204	0.1774	213.6854	0.1980
274.7084	0.1461	175.6704	0.1875	59.6204	0.1665	214.8104	0.2033
275.3404	0.1448	173.2004	0.2035	61.9704	0.1681	215.9114	0.2120
275.9524	0.1446	170.9104	0.2168	64.3504	0.1798	217.0344	0.2145
276.6264	0.1471	167.8504	0.1945	66.7104	0.1830	218.1554	0.2144
277.2304	0.1439	165.4204	0.1963	69.1104	0.1860	219.4834	0.2202
277.8874	0.1418	162.8704	0.1994	71.4204	0.1828	220.6044	0.2152
278.4509	0.1442	160.4004	0.1933	73.8504	0.1882	221.8714	0.2075
279.1427	0.1469	157.9904	0.1867	76.1604	0.1928	223.0144	0.2088
279.7590	0.1427	155.7504	0.1926	78.5204	0.1971	224.1974	0.2085
280.3917	0.1441	153.0904	0.2168	80.8904	0.1934	225.5854	0.2038
281.0345	0.1541	150.6904	0.1767	83.2804	0.1956	226.9114	0.2061
281.6305	0.1584	148.1004	0.1575	85.6004	0.1951	228.0744	0.2096

Reinforced Concrete Test Data

Track 2 - High Pressure Test

229.2504	0.2065	272.4424	0.1671	188.2794	0.2113	47.1804	0.1272
230.5244	0.2133	272.9534	0.1664	185.7704	0.2084	49.8304	0.1404
231.1164	0.2140	273.5444	0.1610	183.3604	0.2090	52.2804	0.1586
231.7084	0.2121	274.1564	0.1601	180.9304	0.2073	54.8704	0.1617
232.2594	0.2143	274.7084	0.1604	178.4404	0.2133	57.2204	0.1893
232.8504	0.2156	275.3404	0.1617	175.6704	0.2032	59.6204	0.1893
233.4624	0.2127	275.9524	0.1602	173.2004	0.2116	61.9704	0.1774
234.0954	0.2117	276.6264	0.1577	170.9104	0.2360	64.3504	0.1916
234.6664	0.2100	277.2304	0.1519	167.8504	0.2077	66.7104	0.1956
235.2584	0.2107	277.8874	0.1516	165.4204	0.2100	69.1104	0.1994
235.8094	0.2107	278.4504	0.1557	162.8704	0.2121	71.4204	0.2005
236.3204	0.2092	279.1427	0.1542	160.4004	0.2032	73.8504	0.2032
236.8914	0.2052	279.7590	0.1548	157.9904	0.2005	76.1604	0.2072
237.5024	0.2064	280.3917	0.1628	155.7504	0.2045	78.5204	0.2144
238.0754	0.1954	281.0345	0.1632	153.0904	0.2116	80.8904	0.2093
238.6464	0.1962	281.6305	0.1673	150.6904	0.2003	83.2804	0.2092
239.2594	0.1957	282.2366	0.1709	148.1004	0.1829	85.6804	0.2102
239.8494	0.1936	282.8631	0.2361	145.8504	0.2131	87.9504	0.2247
240.4424	0.1967	283.5336	0.1812	143.3204	0.2052	90.3104	0.2275
241.0544	0.1980	284.2806	0.1011	140.7704	0.2009	92.7504	0.2276
241.5854	0.2025	285.0120	0.1399	138.3404	0.1970	95.0904	0.2216
242.1964	0.2080	285.6183	0.1371	135.8503	0.2029	97.6704	0.2219
242.7894	0.2097	286.2392	0.1460	133.3604	0.2377	99.8704	0.2217
243.4024	0.2078	286.8976	0.1432	131.0704	0.2171	102.7804	0.2185
244.0134	0.2088	287.5877	0.1483	128.5004	0.2193	104.8904	0.2205
244.6254	0.2091	287.3244	0.1252	126.2604	0.2255	107.0904	0.2205
245.1554	0.2077	Sum 7, 100.9 psi					
245.7684	0.2048	287.2670	0.1506	116.6004	0.2144	109.5404	0.2109
246.2994	0.1941	287.2428	0.1496	114.2204	0.2173	111.8904	0.2062
246.7894	0.1955	287.7693	0.1482	111.6904	0.2111	114.4204	0.2152
247.3814	0.1929	288.3547	0.1337	109.3604	0.2092	116.8504	0.2178
248.5654	0.1878	288.4909	0.1377	106.9304	0.2083	119.1904	0.2141
249.1774	0.1881	288.8584	0.1619	104.7404	0.2160	121.6004	0.2120
250.3204	0.1854	278.8584	0.1619	102.1504	0.2187	124.0104	0.2062
250.9324	0.1867	276.3004	0.1586	99.7004	0.2139	126.4404	0.2185
251.5244	0.1870	273.7274	0.1630	97.5004	0.2186	128.7304	0.2198
252.1164	0.1850	271.2794	0.1740	94.9704	0.2169	131.1904	0.2247
252.7274	0.1861	268.7494	0.1808	92.6204	0.2157	133.7504	0.2353
253.3194	0.1887	266.2394	0.1789	90.2304	0.2241	136.1704	0.2018
253.9114	0.1859	263.8304	0.1840	87.9104	0.2310	138.6704	0.1914
254.5224	0.1856	261.2794	0.1836	85.6004	0.2155	140.9104	0.1959
255.1364	0.1858	258.7684	0.2030	83.2004	0.2063	142.8304	0.2082
255.7284	0.1883	256.3614	0.2011	80.7304	0.2081	145.8304	0.2079
256.3404	0.1897	253.9524	0.2017	78.1404	0.2102	148.0504	0.1763
256.8704	0.1896	251.4014	0.1981	75.6204	0.2095	150.5804	0.2010
257.5854	0.1891	248.9524	0.1968	73.0904	0.1924	152.8904	0.2216
258.1354	0.1868	246.5434	0.2142	70.5204	0.1924	155.3604	0.2010
258.6654	0.1868	244.1154	0.2218	67.9704	0.1834	157.5604	0.2051
259.2594	0.1849	241.5854	0.2138	65.4604	0.1916	159.8704	0.2018
259.8714	0.1844	238.9924	0.2014	62.9504	0.1854	162.1604	0.2074
260.5444	0.1852	236.7084	0.2117	60.5004	0.1669	164.5204	0.2035
261.1574	0.1855	234.2994	0.2224	57.9904	0.1678	167.0104	0.2151
261.7684	0.1854	231.8304	0.2224	55.6104	0.1508	169.4604	0.2308
262.3604	0.1854	229.3614	0.2229	53.0904	0.1530	171.8304	0.2585
262.9534	0.1812	226.9524	0.2181	50.2404	0.1446	174.0104	0.1970
263.5234	0.1793	224.4834	0.2201	47.7804	0.1137	176.5604	0.2056
264.1364	0.1736	222.0344	0.2271	44.9304	0.1137	179.1604	0.2090
264.7284	0.1701	219.6254	0.2277	42.2704	0.1029	181.5204	0.2049
265.3404	0.1685	216.9114	0.2223	39.8304	0.0875	183.9104	0.2167
265.8914	0.1707	214.5644	0.2153	37.3804	0.0871	186.9314	0.2136
266.4424	0.1711	212.0744	0.1980	35.1304	0.0631	188.9314	0.2174
266.9724	0.1714	209.8284	0.1870	32.6904	0.0488	191.3384	0.2219
267.5854	0.1689	207.4634	0.2406	30.2404	0.0538	193.8684	0.2219
268.1364	0.1675	205.1154	0.2336	29.4204	0.0550	196.3614	0.2282
268.7284	0.1642	202.6664	0.2225	31.8704	0.0515	198.1544	0.2234
269.4014	0.1642	200.3194	0.2231	34.5204	0.0641	199.9324	0.2300
270.0754	0.1643	197.9714	0.2160	36.9704	0.0842	201.0534	0.2295
270.6874	0.1685	195.5654	0.2231	39.6304	0.1054	202.1754	0.2273
271.3004	0.1697	193.0524	0.2242	42.0704	0.1012	203.3404	0.2252
271.8304	0.1704	190.6674	0.2201	44.7304	0.1165	204.5214	0.2252
						205.6674	0.2358
						206.8904	0.2466
						207.9724	0.2428

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Reinforced Concrete Test Data

Track 2 - High Pressure Test

209.0754	0.2183	262.3604	0.1924	229.3614	0.2487	53.0904	0.1674
210.2174	0.2031	262.9534	0.1869	226.9524	0.2436	50.2404	0.1551
211.3384	0.2098	263.5234	0.1853	224.4834	0.2420	47.7804	0.1403
212.4424	0.2149	264.1364	0.1825	222.0344	0.2512	44.9304	0.1243
213.6854	0.2134	264.7284	0.1817	219.6254	0.2520	42.2704	0.1115
214.8104	0.2168	265.3404	0.1826	216.9114	0.2488	39.8304	0.1091
215.9114	0.2286	265.8914	0.1832	214.5644	0.2402	37.3804	0.0904
217.0344	0.2317	266.4424	0.1831	212.0744	0.2196	35.1304	0.0702
218.1554	0.2276	266.9724	0.1831	209.8284	0.2143	32.6904	0.0509
219.4834	0.2329	267.5854	0.1826	207.4634	0.2690	30.2404	0.0572
220.6044	0.2308	268.1364	0.1826	205.1154	0.2555	29.4204	0.0557
221.8714	0.2246	268.7284	0.1760	202.6664	0.2376	31.8704	0.0526
223.0144	0.2236	269.4014	0.1783	200.3194	0.2422	34.5204	0.0717
224.1974	0.2244	270.0754	0.1784	197.9714	0.2409	36.9704	0.0900
225.5854	0.2231	270.6874	0.1795	195.5654	0.2492	39.6304	0.1090
226.9114	0.2226	271.3004	0.1798	193.0524	0.2478	42.0704	0.1163
228.0744	0.2269	271.8304	0.1822	190.6674	0.2388	44.7304	0.1271
229.2594	0.2238	272.4424	0.1780	188.2794	0.2350	47.1804	0.1405
230.5244	0.2264	272.9534	0.1762	185.7704	0.2299	49.8304	0.1534
231.1164	0.2275	273.5444	0.1708	183.3604	0.2343	52.2804	0.1686
231.7084	0.2275	274.1564	0.1707	180.9304	0.2303	54.8704	0.1719
232.2594	0.2317	274.7084	0.1719	178.4404	0.2346	57.2204	0.2036
232.8504	0.2341	275.3404	0.1713	175.6704	0.2313	59.6204	0.1840
233.4624	0.2306	275.9524	0.1706	173.2004	0.2362	61.9704	0.1882
234.0554	0.2295	276.6264	0.1675	170.9104	0.2513	64.3504	0.2015
234.6664	0.2277	277.2304	0.1657	167.8504	0.2284	66.7104	0.2135
235.2584	0.2268	277.8874	0.1667	165.4204	0.2307	69.1104	0.2150
235.8094	0.2253	278.4509	0.1642	162.8704	0.2327	71.4204	0.2178
236.3204	0.2228	279.1427	0.1632	160.4004	0.2288	73.8504	0.2230
236.8914	0.2179	279.7590	0.1652	157.9904	0.2247	76.1604	0.2254
237.5024	0.2140	280.3917	0.1694	155.7504	0.2304	78.5204	0.2337
238.0754	0.2107	281.0345	0.1728	153.0904	0.2487	80.8904	0.2296
238.6464	0.2122	281.6305	0.1755	150.6904	0.2292	83.2804	0.2299
239.2594	0.2126	282.2366	0.1793	148.1004	0.2013	85.6004	0.2307
239.8494	0.2113	282.8631	0.2411	145.8504	0.2278	87.9504	0.2432
240.4424	0.2146	283.5346	0.1903	143.3204	0.2292	90.3104	0.2486
241.0544	0.2151	284.2896	0.0979	140.7704	0.2231	92.7504	0.2482
241.5854	0.2188	285.0120	0.1535	138.3404	0.2164	95.0904	0.2473
242.1964	0.2218	285.6183	0.1432	135.8504	0.2337	97.6704	0.2503
242.7894	0.2252	286.2792	0.1452	133.3604	0.2669	99.8704	0.2478
243.4024	0.2241	286.8976	0.1546	131.0704	0.2517	102.2804	0.2415
244.0134	0.2214	287.1877	0.1565	128.5004	0.2432	104.8904	0.2438
244.6254	0.2188	287.3244	0.1526	126.2604	0.2499	107.0904	0.2442
245.1554	0.2174			123.7904	0.2335	109.5404	0.2400
245.7684	0.2160			121.4204	0.2373	111.8904	0.2372
246.2994	0.2077			118.8904	0.2337	114.4204	0.2440
246.7894	0.2104	Scan 8, 108.3 psig		116.6004	0.2399	116.8504	0.2428
247.3814	0.2087	287.2670	0.1702	114.2204	0.2430	119.1404	0.2372
247.9734	0.2045	287.2670	0.1702	111.6904	0.2359	121.6004	0.2354
248.5854	0.2023	286.7693	0.1655	109.3604	0.2331	124.0104	0.2316
249.1774	0.2032	284.3547	0.1414	106.9304	0.2348	126.4404	0.2433
249.7484	0.2019	281.4999	0.1888	104.7404	0.2431	128.7304	0.2413
250.3204	0.2018	278.8584	0.1779	102.1504	0.2465	131.1904	0.2481
250.9324	0.2023	276.3004	0.1758	99.7004	0.2369	133.7504	0.2825
251.5244	0.2023	273.7274	0.1795	97.5004	0.2465	136.1704	0.2280
252.1164	0.2009	271.2794	0.1884	94.9704	0.2435	138.6704	0.2209
252.7274	0.1996	268.7494	0.1950	92.6204	0.2453	140.9104	0.2210
253.3194	0.2008	266.2594	0.1925	90.2304	0.2438	143.4004	0.2306
253.9114	0.1970	263.8304	0.1978	87.9104	0.2530	145.8304	0.2247
254.5224	0.1950	261.2794	0.2032	85.6004	0.2413	148.0504	0.1935
255.1364	0.1971	258.7684	0.2196	83.2004	0.2252	150.5804	0.2231
255.7264	0.1992	256.3614	0.2195	80.7304	0.2264	152.8904	0.2416
256.3404	0.2013	253.9524	0.2238	78.1404	0.2338	155.3804	0.2243
256.8704	0.2012	251.4014	0.2249	75.6204	0.2275	157.5604	0.2295
257.5854	0.2031	248.9524	0.2186	73.0904	0.2170	159.8704	0.2282
258.1354	0.2009	246.1124	0.2354	70.5204	0.2113	162.1604	0.2302
258.6654	0.1990	244.1154	0.2434	67.9704	0.2063	164.5204	0.2253
259.2594	0.1948	241.5854	0.2347	65.4604	0.2149	167.0104	0.2319
259.8714	0.1941	238.9924	0.2277	62.9504	0.2048	169.4604	0.2514
260.5444	0.1963	236.7084	0.2332	60.5004	0.1839	171.8304	0.2724
261.1574	0.1941	234.2994	0.2493	57.9904	0.1821	174.0104	0.2229
261.7684	0.1938	231.8304	0.2479	55.6104	0.1715	176.5604	0.2333

Reinforced Concrete Test Data

Track 2 - High Pressure Test

179.1604	0.2310	252.1164	0.2218	268.7494	0.2323	92.6204	0.2651
181.5204	0.2289	252.7274	0.2244	268.2594	0.2367	90.2304	0.2683
183.9104	0.2387	253.3194	0.2245	263.8304	0.2378	87.9104	0.2763
186.3804	0.2349	253.9114	0.2192	261.2794	0.2187	85.6004	0.2603
188.9314	0.2410	254.5224	0.2171	258.7684	0.2341	83.2004	0.2450
191.3384	0.2427	255.1364	0.2176	256.3614	0.2407	80.7304	0.2509
193.8684	0.2507	255.7284	0.2183	253.9524	0.2407	78.1404	0.2549
196.3614	0.2519	256.3404	0.2205	251.4614	0.2386	75.6204	0.2454
198.1544	0.2493	256.8304	0.2205	248.9524	0.2359	73.0904	0.2342
199.9324	0.2500	257.5884	0.2221	246.5134	0.2500	70.5204	0.2275
201.0534	0.2473	258.1954	0.2217	243.9554	0.2653	67.9704	0.2323
202.1754	0.2478	258.6684	0.2209	241.5854	0.2535	65.4604	0.2338
203.3404	0.2453	259.2594	0.2160	238.9924	0.2439	62.9504	0.2176
204.5214	0.2470	259.8714	0.2145	236.5844	0.2440	60.5004	0.2034
205.6674	0.2570	260.5444	0.2135	234.2994	0.2656	57.9904	0.1985
206.8904	0.2692	261.1574	0.2149	231.8304	0.2635	55.6104	0.1881
207.9724	0.2620	261.7684	0.2148	229.3614	0.2612	53.0904	0.1829
209.0754	0.2463	262.3604	0.2119	226.9524	0.2597	50.2404	0.1669
210.2174	0.2332	262.9534	0.2068	224.4834	0.2657	47.7804	0.1509
211.3384	0.2319	263.5234	0.2050	222.0344	0.2690	44.9304	0.1340
212.4424	0.2373	264.1364	0.2049	219.6254	0.2755	42.2704	0.1199
213.6854	0.2372	264.7174	0.2036	216.9114	0.2635	39.8304	0.1124
214.8104	0.2445	265.3104	0.2005	214.5644	0.2609	37.3804	0.0944
215.9114	0.2496	265.8914	0.1978	212.0744	0.2501	35.1304	0.0725
217.0344	0.2505	266.4424	0.1973	209.8284	0.2406	32.6904	0.0491
218.1554	0.2463	266.9724	0.1962	207.1674	0.2934	30.2404	0.0518
219.4834	0.2537	267.5854	0.1946	205.1154	0.2775	29.4204	0.0534
220.6044	0.2582	268.1364	0.1939	202.6264	0.2673	31.8704	0.0601
221.8714	0.2473	268.7284	0.1883	200.0174	0.2640	34.5204	0.0706
223.0144	0.2447	269.4014	0.1890	197.9714	0.2626	36.9704	0.0912
224.1974	0.2485	270.0754	0.1897	195.5634	0.2689	39.6304	0.1158
225.5854	0.2464	270.6274	0.1910	193.5244	0.2669	42.0704	0.1175
226.9114	0.2466	271.3004	0.1937	191.0744	0.2867	44.7304	0.1348
228.0744	0.2504	271.8374	0.1937	188.2704	0.2527	47.1804	0.1514
229.2594	0.2462	272.4424	0.1922	185.7774	0.2577	49.8304	0.1609
230.5244	0.2500	273.9574	0.1911	183.0944	0.2522	52.2804	0.1794
231.1164	0.2506	274.5444	0.1875	180.7704	0.2577	54.8704	0.1875
231.7084	0.2498	274.1504	0.1854	178.4444	0.2467	57.2204	0.2154
232.2594	0.2546	274.7634	0.1882	175.7704	0.2447	59.6204	0.2045
232.8504	0.2586	275.3404	0.1887	173.2104	0.2585	61.9704	0.2059
233.4624	0.2582	275.9524	0.1854	170.7174	0.2761	64.3504	0.2186
234.0554	0.2566	276.6264	0.1853	168.3504	0.2512	66.7104	0.2285
234.6664	0.2533	277.2374	0.1768	165.4204	0.2454	69.1104	0.2345
235.2584	0.2529	277.8874	0.1822	162.8704	0.2512	71.4204	0.2334
235.8094	0.2513	278.4574	0.1823	160.4004	0.2539	73.8504	0.2396
236.3204	0.2476	279.1274	0.1793	157.9904	0.2496	76.1604	0.2452
236.8914	0.2424	279.7590	0.1812	155.7504	0.2489	78.5204	0.2545
237.5024	0.2402	280.9917	0.1821	153.0904	0.2475	80.8904	0.2525
238.0754	0.2359	281.6345	0.1863	150.6904	0.2474	83.2804	0.2499
238.6464	0.2359	281.6305	0.1915	148.1004	0.2252	85.6004	0.2537
239.2594	0.2352	282.2366	0.1953	145.8504	0.2511	87.9504	0.2645
239.8494	0.2332	282.8631	0.2812	143.3204	0.2469	90.3104	0.2675
240.4424	0.2360	283.5346	0.1930	140.7704	0.2383	92.7504	0.2708
241.0544	0.2370	284.2896	0.0861	138.3404	0.2329	95.0904	0.2635
241.5854	0.2413	285.0120	0.1689	135.8504	0.2496	97.6704	0.2731
242.1964	0.2449	285.6183	0.1551	133.3604	0.2905	99.8704	0.2679
242.7894	0.2485	286.2792	0.1595	131.0704	0.2714	102.2804	0.2634
243.4024	0.2466	286.8976	0.1689	128.5004	0.2627	104.8904	0.2679
244.0134	0.2445	287.1877	0.1445	126.2604	0.2686	107.0904	0.2661
244.6254	0.2453			123.7904	0.2468	109.5404	0.2698
245.1554	0.2406			121.4204	0.2592	111.8904	0.2627
245.7684	0.2442			118.8904	0.2578	114.4204	0.2629
246.2994	0.2338			116.6004	0.2617	116.8704	0.2632
246.7894	0.2330			114.2204	0.2636	119.1404	0.2617
247.3814	0.2304			111.6904	0.2559	121.6004	0.2566
247.9734	0.2260			109.3604	0.2549	124.0104	0.2529
248.5854	0.2221			106.9304	0.2608	126.4404	0.2651
249.1774	0.2229			104.7404	0.2673	128.7304	0.2669
249.7484	0.2206			102.1504	0.2694	131.1904	0.2739
250.3204	0.2205			99.7004	0.2597	133.7504	0.3097
250.9324	0.2210			97.5604	0.2725	136.1704	0.2449
251.5244	0.2218			94.9704	0.2651	138.6704	0.2319

Scan 9, 113.2 psig

Reinforced Concrete Test Data

Track 2 - High Pressure Test

140.9104	0.2343	242.7894	0.2682	286.2094	0.1644	131.0704	0.2984
143.4004	0.2399	243.4024	0.2647	286.8976	0.1746	128.5004	0.2886
145.8304	0.2562	244.0134	0.2634	287.1877	0.1773	126.2604	0.2896
148.0504	0.2203	244.6254	0.2626			123.7904	0.2729
150.5804	0.2399	245.1554	0.2581			121.4204	0.2863
152.8904	0.2498	245.7684	0.2545			118.8904	0.2840
155.3804	0.2446	246.2994	0.2428			116.6004	0.2865
157.5604	0.2487	246.7894	0.2457			114.2204	0.2902
159.8704	0.2472	247.3814	0.2472			111.6904	0.2827
162.1604	0.2493	247.9734	0.2459			109.3604	0.2836
164.5204	0.2416	248.5854	0.2413			106.9804	0.2880
167.0104	0.2473	249.1774	0.2417			104.7404	0.2943
169.4604	0.2761	249.7484	0.2399			102.1504	0.2936
171.8304	0.3001	250.3204	0.2399			99.7004	0.2887
174.0104	0.2409	250.9324	0.2404			97.5004	0.2932
176.5604	0.2491	251.5244	0.2404			94.9704	0.2899
179.1604	0.2498	252.1164	0.2388			92.6204	0.2939
181.5204	0.2474	252.7274	0.2384			90.2304	0.2944
183.9104	0.2599	253.3194	0.2406			87.9104	0.2969
186.3804	0.2546	253.9114	0.2349			85.6004	0.2814
188.9314	0.2586	254.5224	0.2399			83.2004	0.2727
191.3384	0.2618	255.1364	0.2305			80.7304	0.2745
193.8684	0.2646	255.7284	0.2321			78.1404	0.2775
196.3614	0.2726	256.3404	0.2356			75.6204	0.2679
198.1544	0.2679	256.8704	0.2352			73.0904	0.2552
199.9324	0.2689	257.5854	0.2333			70.5204	0.2512
201.0534	0.2709	258.1354	0.2336			67.9704	0.2421
202.1754	0.2725	258.6654	0.2358			65.4604	0.2468
203.3404	0.2693	259.2594	0.2324			62.9504	0.2309
204.5214	0.2671	259.8714	0.2316			60.5004	0.2157
205.6674	0.2780	260.5444	0.2299			57.9904	0.2078
206.8904	0.2916	261.1574	0.2300			55.6104	0.2014
207.9724	0.2859	261.7684	0.2307			53.0904	0.1913
209.0754	0.2624	262.3604	0.2290			50.7404	0.1753
210.2174	0.2488	262.9534	0.2224			47.7804	0.1570
211.3384	0.2551	263.5234	0.2188			44.9304	0.1435
212.4424	0.2583	264.1364	0.2165			42.2704	0.1280
213.6854	0.2569	264.7284	0.2144			39.8304	0.1179
214.8104	0.2617	265.3404	0.2136			37.3804	0.0953
215.9114	0.2693	265.8914	0.2116			35.1304	0.0771
217.0344	0.2797	266.4424	0.2096			32.6904	0.0589
218.1554	0.2680	266.9724	0.2094			30.2404	0.0602
219.4834	0.2753	267.5854	0.2077			29.4204	0.0619
220.6044	0.2754	268.1364	0.2061			31.8704	0.0613
221.8714	0.2739	268.7284	0.2025			34.5204	0.0766
223.0144	0.2662	269.4014	0.2035			36.9704	0.0968
224.1674	0.2651	270.0754	0.2042			39.6304	0.1239
225.5854	0.2656	270.6874	0.2041			42.0704	0.1280
226.9114	0.2690	271.3004	0.2041			44.7304	0.1442
228.0744	0.2716	271.8304	0.2064			47.1804	0.1588
229.2594	0.2654	272.4424	0.2038			49.8304	0.1712
230.5244	0.2663	272.9534	0.2036			52.2804	0.1897
231.1164	0.2661	273.5444	0.2067			54.8704	0.2016
231.7084	0.2655	274.1564	0.1992			57.2204	0.2343
232.2594	0.2711	274.7684	0.1983			59.6204	0.2188
232.8504	0.2746	275.3404	0.1947			61.9704	0.2218
233.4624	0.2725	275.9524	0.1934			64.3504	0.2327
234.0554	0.2707	276.6264	0.1916			66.7104	0.2422
234.6474	0.2694	277.2304	0.1896			69.1104	0.2504
235.2584	0.2700	277.8874	0.1923			71.4204	0.2526
235.8694	0.2684	278.4504	0.1939			73.8504	0.2595
236.3204	0.2648	279.142	0.1926			76.1604	0.2646
236.8914	0.2610	279.7500	0.1869			78.5204	0.2739
237.5024	0.2571	280.3917	0.1947			80.8904	0.2742
238.0754	0.2521	281.0345	0.1979			83.2804	0.2742
238.6494	0.2527	281.6305	0.2002			85.6004	0.2764
239.2594	0.2511	282.2166	0.2018			87.9504	0.2885
239.8304	0.2483	282.8033	0.2057			90.3104	0.2908
240.4424	0.2504	283.5346	0.2037			92.7504	0.2974
241.0744	0.2509	284.1806	0.2062			95.0904	0.2967
241.5544	0.2558	285.0127	0.2172			97.6704	0.2940
242.1664	0.2607	285.6187	0.2621			99.8704	0.2936
				Scan 10, 117.8 psig			
				287.2670	0.1860		
				287.2670	0.1860		
				286.7603	0.1837		
				284.3547	0.1586		
				281.4999	0.2039		
				278.8584	0.1966		
				276.3004	0.1971		
				275.7274	0.2064		
				271.2794	0.2149		
				268.7404	0.2183		
				266.2594	0.2211		
				263.8304	0.2285		
				261.2794	0.2357		
				258.7684	0.2533		
				256.3614	0.2476		
				253.9524	0.2555		
				251.4011	0.2568		
				248.9524	0.2543		
				246.5434	0.2606		
				244.1154	0.2745		
				241.5854	0.2711		
				238.9924	0.2623		
				236.7084	0.2724		
				231.2994	0.2870		
				231.8304	0.2820		
				229.3614	0.2840		
				226.9524	0.2839		
				224.4834	0.2862		
				222.0344	0.2956		
				219.6254	0.2994		
				216.9114	0.2884		
				214.5644	0.2823		
				212.0744	0.2647		
				209.8284	0.2536		
				207.4634	0.3106		
				205.1154	0.2951		
				202.6664	0.2860		
				200.3194	0.2899		
				197.9714	0.2833		
				195.5654	0.2850		
				193.0524	0.2832		
				190.6674	0.2769		
				188.2794	0.2753		
				185.7704	0.2723		
				183.3604	0.2730		
				180.9304	0.2671		
				178.4404	0.2734		
				175.8704	0.2734		
				173.2004	0.2719		
				170.9104	0.2962		
				167.8504	0.2791		
				165.4204	0.2696		
				162.8704	0.2816		
				160.4004	0.2733		
				157.9904	0.2700		
				155.7504	0.2689		
				153.0904	0.2882		
				150.6904	0.2529		
				148.1004	0.2370		
				145.8504	0.2815		
				143.3204	0.2754		
				140.7704	0.2678		
				138.3404	0.2602		
				135.8504	0.2848		
				133.3604	0.3208		

Reinforced Concrete Test Data

Track 2 - High Pressure Test

102.2804	0.2889	233.4624	0.2905	275.9524	0.2911	170.9104	0.2914
104.8904	0.2929	234.0554	0.2921	276.6264	0.2919	167.8504	0.2919
107.0804	0.2931	234.6664	0.2935	277.2344	0.2921	165.4204	0.2919
109.5404	0.2879	235.2584	0.2943	277.8844	0.2929	162.8704	0.2919
111.5904	0.2921	235.8094	0.2926	278.4504	0.2937	160.4004	0.2889
114.4204	0.2955	236.3204	0.2897	279.1424	0.2946	157.9904	0.2889
116.8504	0.2907	236.9144	0.2841	279.7594	0.2959	155.7504	0.2889
119.1404	0.2961	237.5024	0.2775	280.3974	0.2967	153.0904	0.2864
121.6004	0.2866	238.0754	0.2712	281.0345	0.2975	150.6904	0.2889
124.0104	0.2832	238.6464	0.2744	281.6805	0.2971	148.1004	0.2769
126.4404	0.2897	239.2594	0.2753	282.2866	0.2975	145.8504	0.2769
128.7304	0.2874	239.8494	0.2725	282.8604	0.2983	143.3204	0.2889
131.1904	0.2995	240.4324	0.2745	283.5306	0.2989	140.7704	0.2889
133.7504	0.3369	241.0544	0.2742	284.2896	0.2997	138.3404	0.2769
136.1704	0.2945	241.5954	0.2771	285.0126	0.2992	135.8504	0.2889
138.6704	0.2553	242.1964	0.2809	285.6958	0.2994	133.3604	0.2889
140.9104	0.2843	242.7894	0.2847	286.2767	0.2999	131.0704	0.2889
143.4004	0.2696	243.4624	0.2758	286.8306	0.2994	128.5004	0.2889
146.8304	0.2767	244.0134	0.2775	287.3747	0.2994	126.2604	0.2889
149.0504	0.2418	244.6254	0.2815	287.9147	0.2994	123.7904	0.2889
150.5804	0.2687	245.1574	0.2767	288.4306	0.2994	121.3204	0.2889
152.8904	0.2734	245.7684	0.2776	288.9306	0.2994	118.8904	0.2889
155.8604	0.2619	246.3994	0.2708	289.4306	0.2994	116.5004	0.2889
157.8604	0.2748	246.7594	0.2678	289.9306	0.2994	114.2204	0.2889
159.8504	0.2716	247.1514	0.2661	290.4306	0.2994	111.6804	0.2889
162.1604	0.2718	247.9734	0.2609	290.9306	0.2994	109.4304	0.2889
163.5004	0.2623	248.8884	0.2599	291.4306	0.2994	106.9304	0.2889
167.0104	0.2787	249.1774	0.2693	291.9306	0.2994	104.7304	0.2889
169.4004	0.2943	249.3484	0.2671	292.4306	0.2994	102.1504	0.2889
171.8904	0.3266	250.1234	0.2671	292.9306	0.2994	99.7004	0.2889
174.0104	0.2619	250.9724	0.2589	293.4306	0.2994	97.5004	0.2889
176.5604	0.2736	251.5244	0.2589	293.9306	0.2994	93.9704	0.2889
179.1604	0.2607	252.1164	0.2569	294.4306	0.2994	92.6204	0.2889
181.5204	0.2611	252.3274	0.2564	294.9306	0.2994	90.2304	0.2889
183.9104	0.2604	252.9194	0.2541	295.4306	0.2994	87.5004	0.2889
186.3804	0.2771	253.5614	0.2561	295.9306	0.2994	85.9004	0.2889
188.8704	0.2871	254.2724	0.2548	296.4306	0.2994	83.9004	0.2889
191.8504	0.2807	255.0644	0.2539	296.9306	0.2994	81.5004	0.2889
194.8304	0.2663	255.8134	0.2519	297.4306	0.2994	78.1404	0.2889
196.8104	0.2700	256.3464	0.2515	297.9306	0.2994	75.2604	0.2889
198.1504	0.2917	256.8064	0.2515	298.4306	0.2994	73.0604	0.2889
199.6304	0.2976	257.5884	0.2546	298.9306	0.2994	70.5104	0.2889
201.0504	0.2989	258.1584	0.2469	299.4306	0.2994	67.0704	0.2889
202.1754	0.2961	258.6284	0.2467	299.9306	0.2994	65.5604	0.2889
203.9104	0.2996	259.2734	0.2446	300.4306	0.2994	62.8504	0.2889
204.6104	0.2960	259.8134	0.2446	300.9306	0.2994	60.7004	0.2889
205.6704	0.2992	260.8434	0.2459	301.4306	0.2994	57.8604	0.2889
206.8004	0.3066	261.7874	0.2463	301.9306	0.2994	55.3104	0.2889
207.9704	0.3007	261.7964	0.2441	302.4306	0.2994	52.9004	0.2889
209.0504	0.2997	262.0004	0.2465	302.9306	0.2994	50.2404	0.2889
210.2104	0.2786	262.7884	0.2461	303.4306	0.2994	47.5804	0.2889
211.3504	0.2732	263.5274	0.2461	303.9306	0.2994	44.0104	0.2889
212.4404	0.2812	264.1164	0.2461	304.4306	0.2994	42.4704	0.2889
213.6804	0.2847	264.284	0.2467	304.9306	0.2994	39.8804	0.2889
214.8104	0.2877	264.8934	0.2469	305.4306	0.2994	37.2804	0.2889
215.9104	0.2817	265.1814	0.2469	305.9306	0.2994	35.1104	0.2889
217.0704	0.2946	266.0414	0.2469	306.4306	0.2994	32.8904	0.2889
218.1504	0.2963	266.8714	0.2476	306.9306	0.2994	30.2604	0.2889
219.4604	0.2960	267.5884	0.2469	307.4306	0.2994	29.4104	0.2889
220.6004	0.3007	268.1164	0.2475	307.9306	0.2994	27.8304	0.2889
221.8704	0.2967	268.7284	0.2464	308.4306	0.2994	24.5004	0.2889
223.0104	0.2969	269.4014	0.2464	308.9306	0.2994	24.5004	0.2889
224.1904	0.2913	270.0754	0.2484	309.4306	0.2994	23.0004	0.2889
225.5804	0.2966	270.6074	0.2467	309.9306	0.2994	21.1004	0.2889
226.9104	0.2969	271.3069	0.2466	310.4306	0.2994	20.0004	0.2889
228.0704	0.2916	271.8734	0.2477	310.9306	0.2994	18.7004	0.2889
229.2404	0.2888	272.4424	0.2467	311.4306	0.2994	17.8004	0.2889
230.4204	0.2868	272.9584	0.2459	311.9306	0.2994	16.2004	0.2889
231.3104	0.2963	273.5434	0.2457	312.4306	0.2994	14.8004	0.2889
231.7004	0.2866	274.1564	0.2429	312.9306	0.2994	13.2004	0.2889
232.2504	0.2903	274.7084	0.2421	313.4306	0.2994	11.9004	0.2889
232.8504	0.2923	275.3404	0.2409	313.9306	0.2994	61.9004	0.2889

Reinforced Concrete Test Data

Track 2 - High Pressure Test

64.3504	0.2430	217.0344	0.3127	266.4424	0.2375	207.4634	0.3903
66.7104	0.2555	218.1554	0.3060	266.9724	0.2360	205.1154	0.3811
69.1104	0.2654	219.4834	0.3141	267.5854	0.2333	202.6664	0.3666
71.4204	0.2663	220.6044	0.3167	268.1364	0.2338	200.3194	0.3777
73.8304	0.2764	221.8714	0.3130	268.7284	0.2275	197.9714	0.3727
76.1604	0.2798	223.0144	0.3123	269.4014	0.2281	195.5654	0.3750
78.5204	0.2900	224.1974	0.3128	270.0754	0.2270	193.0524	0.3715
80.8904	0.2933	225.5854	0.3089	270.6874	0.2243	190.6674	0.3692
83.2804	0.2941	226.9114	0.3069	271.3004	0.2236	188.2794	0.3688
85.6004	0.2947	228.0744	0.3089	271.8304	0.2249	185.7704	0.3654
87.9504	0.3050	229.2594	0.3071	272.4424	0.2247	183.3604	0.3667
90.3104	0.3097	230.5244	0.3110	272.9534	0.2237	180.9304	0.3577
92.7504	0.3185	231.1164	0.3082	273.5444	0.2229	178.4404	0.3645
95.0904	0.3101	231.7084	0.3027	274.1564	0.2208	175.6704	0.3648
97.6704	0.3186	232.2594	0.3070	274.7084	0.2199	173.2004	0.3745
99.8704	0.3210	232.8504	0.3104	275.3404	0.2183	170.9104	0.3962
102.2804	0.3120	233.4624	0.3099	275.9524	0.2165	167.8504	0.3605
104.8904	0.3135	234.0554	0.3110	276.6264	0.2140	165.4204	0.3646
107.0904	0.3175	234.6664	0.3101	277.2304	0.2094	162.8704	0.3697
109.5404	0.3142	235.2584	0.3100	277.8874	0.2105	160.4004	0.3693
111.8904	0.3136	235.8094	0.3093	278.4804	0.2088	157.9504	0.3572
114.4204	0.3230	236.3204	0.3060	279.1424	0.2070	155.7504	0.3546
116.8504	0.3162	236.8914	0.2995	279.7590	0.2095	153.0904	0.3822
119.1404	0.3144	237.5024	0.2928	280.3917	0.2110	150.6904	0.3666
121.6004	0.3096	238.0754	0.2872	281.0345	0.2177	148.1004	0.3300
124.0104	0.3040	238.6464	0.2905	281.6305	0.2223	145.8504	0.2687
126.4304	0.3154	239.2594	0.2905	282.2366	0.2231	143.3204	0.3686
128.7304	0.3135	239.8194	0.2869	282.8631	0.3329	140.7704	0.3585
131.1904	0.3264	240.4424	0.2894	283.5346	0.2218	138.3404	0.3547
133.7504	0.3621	241.0544	0.2907	284.2896	0.0958	135.8504	0.3748
136.1704	0.2910	241.5854	0.2939	285.0120	0.1935	133.3604	0.4199
138.6704	0.2792	242.1964	0.2975	285.6183	0.1767	131.0704	0.3985
140.9104	0.2726	242.7894	0.2981	286.2792	0.1790	128.5004	0.3891
143.4004	0.2788	243.4024	0.2949	286.8976	0.1919	126.2604	0.3938
145.8504	0.2952	244.0134	0.2921	287.1877	0.1980	123.7904	0.3817
148.0504	0.2549	244.6254	0.2934			121.4204	0.3814
150.5804	0.2850	245.1554	0.2913	Scan 12, 125.8 psi		118.8904	0.3905
152.8904	0.2873	245.7684	0.2939			116.6004	0.3845
155.3804	0.2780	246.2994	0.2851	287.2670	0.2206	114.2204	0.3902
157.5604	0.2900	246.7894	0.2836	287.2428	0.2191	111.6904	0.3867
159.8704	0.2904	247.3814	0.2792	286.7693	0.2107	109.2504	0.3880
162.1604	0.2920	247.9734	0.2771	284.2517	0.1465	106.9304	0.3864
164.5204	0.2840	248.5854	0.2746	281.4990	0.2505	104.7404	0.3904
167.0104	0.2834	249.1774	0.2746	278.8584	0.2406	102.1504	0.3652
169.4604	0.3126	249.7484	0.2725	276.3004	0.2435	99.7004	0.3790
171.8304	0.3200	250.3204	0.2725	273.7274	0.2437	97.5004	0.3901
174.0104	0.2848	250.9324	0.2726	271.2794	0.2539	94.9704	0.3845
176.5604	0.2946	251.5244	0.2725	268.7494	0.2640	92.6204	0.3790
179.1604	0.2845	252.1164	0.2704	266.2594	0.2692	90.2304	0.3750
181.5204	0.2869	252.7274	0.2722	263.8304	0.2807	87.9104	0.3785
183.9104	0.2970	253.3194	0.2718	261.2794	0.2885	85.6004	0.3643
186.3804	0.2958	253.9114	0.2651	258.7684	0.2996	83.2004	0.3491
188.9314	0.3005	254.5224	0.2640	256.3614	0.3027	80.7304	0.3473
191.3384	0.2995	255.1364	0.2645	253.9524	0.3129	78.1404	0.3421
193.8684	0.3040	255.7284	0.2652	251.4014	0.3216	75.6204	0.3288
196.3614	0.3070	256.3404	0.2656	248.9524	0.3170	73.0904	0.3173
198.1544	0.3072	256.8704	0.2635	246.5434	0.3279	70.5204	0.3090
199.9324	0.3084	257.5854	0.2639	244.1154	0.3419	67.9704	0.3012
201.0534	0.3070	258.1354	0.2639	241.5854	0.3446	65.4604	0.2984
202.1754	0.3112	258.6654	0.2622	238.9924	0.3350	62.9504	0.2800
203.3404	0.3056	259.2594	0.2572	236.7084	0.3456	60.5004	0.2553
204.5214	0.3062	259.8714	0.2570	234.2994	0.3618	57.9904	0.2579
205.6674	0.3151	260.5411	0.2570	231.8304	0.3554	55.6104	0.2368
206.8904	0.3252	261.1574	0.2584	229.2614	0.3627	53.0904	0.2241
207.9724	0.3189	261.7684	0.2591	226.9524	0.3622	50.2404	0.2059
209.0754	0.2977	262.3601	0.2560	224.4834	0.3692	47.7804	0.1896
210.2174	0.2919	262.9534	0.2501	222.0344	0.3749	44.9304	0.1723
211.3384	0.2931	263.5234	0.2449	219.6254	0.3800	42.2704	0.1474
212.4424	0.3016	264.1364	0.2435	216.9114	0.3751	39.8304	0.1317
213.6854	0.3026	264.7284	0.2408	214.5644	0.3741	37.3804	0.1101
214.8104	0.3045	265.3404	0.2401	212.0744	0.3527	35.1304	0.0925
215.9114	0.3123	265.8914	0.2375	209.8284	0.3387	32.6904	0.0685

Reinforced Concrete Test Data

Track 2 - High Pressure Test

30.2404	0.0639	199.9324	0.3807	257.5854	0.3085	251.4014	0.3721
29.4204	0.0646	201.0534	0.3776	258.1354	0.3065	248.9524	0.3710
31.8704	0.0699	202.1754	0.3780	258.6654	0.3038	246.5434	0.3823
34.5204	0.0881	203.3404	0.3791	259.2594	0.2988	244.1154	0.4059
36.9704	0.1064	204.5214	0.3866	259.8714	0.2979	241.5854	0.4106
39.6304	0.1357	205.6674	0.3866	260.5444	0.2983	238.9924	0.4026
42.0704	0.1510	206.8904	0.3980	261.1574	0.3005	236.7084	0.4178
44.7304	0.1644	207.9724	0.3692	261.7684	0.3013	234.2994	0.4311
47.1804	0.1858	209.0754	0.3578	262.3604	0.3007	231.8304	0.4322
52.2804	0.2212	210.2174	0.3499	262.9534	0.2939	229.3614	0.4370
54.8704	0.2312	211.3384	0.3563	263.5234	0.2874	226.9524	0.4459
57.2204	0.2677	212.4424	0.3674	264.1364	0.2857	224.4834	0.4529
59.6204	0.2678	213.6854	0.3742	264.7284	0.2849	222.0344	0.4598
61.9704	0.2642	214.8104	0.3820	265.3404	0.2795	219.6254	0.4633
64.3504	0.2805	215.9114	0.3820	265.8914	0.2763	216.9114	0.4611
66.7104	0.2911	217.0344	0.3876	266.4424	0.2755	214.5644	0.4632
69.1104	0.3044	218.1554	0.3860	266.9724	0.2747	212.0744	0.4373
71.4204	0.3071	219.4834	0.3788	267.5854	0.2721	209.8284	0.4226
73.8504	0.3194	220.6044	0.3820	268.1364	0.2689	207.4634	0.4825
76.1604	0.3222	221.8714	0.3791	268.7284	0.2740	205.1154	0.4787
78.5204	0.3378	223.0144	0.3796	269.4014	0.2629	202.6664	0.4675
80.8904	0.3416	224.1974	0.3754	270.6874	0.2614	200.3194	0.4744
83.2804	0.3428	225.5854	0.3754	271.3004	0.2603	197.9714	0.4699
85.6804	0.3513	226.9114	0.3722	271.8304	0.2618	195.5654	0.4710
87.9504	0.3663	228.0744	0.3656	272.4124	0.2609	193.0524	0.4703
90.3104	0.3699	229.2594	0.3656	272.9534	0.2598	190.6674	0.4790
92.7504	0.3819	231.1164	0.3671	273.5444	0.2598	188.2794	0.4688
95.0904	0.3927	231.7084	0.3672	274.1564	0.2532	185.7704	0.4657
97.6704	0.3865	232.2594	0.3664	274.7084	0.2542	183.3204	0.4624
99.8704	0.3875	233.8504	0.3678	275.3404	0.2511	180.9704	0.4580
102.2804	0.3814	234.4624	0.3640	275.9524	0.2500	178.4404	0.4706
104.8904	0.3860	234.0534	0.3651	276.6764	0.2514	175.6704	0.4806
107.0904	0.3852	234.6664	0.3659	277.2404	0.2473	170.9104	0.5005
109.5904	0.3875	235.2584	0.3680	277.8574	0.2413	167.8504	0.4783
111.8904	0.3873	235.8094	0.3672	278.4509	0.2451	165.4204	0.4698
114.4204	0.3923	236.3204	0.3642	279.1427	0.2445	162.8704	0.4822
116.8504	0.3890	236.8914	0.3590	279.7500	0.2414	160.4004	0.4753
119.1404	0.3859	237.5024	0.3525	280.3917	0.2430	157.9904	0.4661
121.6004	0.3828	238.0754	0.3476	281.0345	0.2539	155.5504	0.4560
124.0104	0.3822	238.6404	0.3487	281.6305	0.2566	153.0904	0.4672
126.4404	0.3859	239.2594	0.3492	282.2366	0.2570	150.6904	0.4605
128.7304	0.3864	239.8494	0.3465	282.8631	0.3876	148.1004	0.4319
131.1904	0.3993	240.4424	0.3485	283.5346	0.3012	145.8504	0.4796
133.7504	0.4298	241.0544	0.3489	284.2896	0.1027	143.3204	0.4803
136.1704	0.3652	241.5854	0.3539	285.0120	0.1957	140.7704	0.4652
138.7004	0.3507	242.1964	0.3542	285.6183	0.2000	138.3404	0.4619
140.9104	0.3543	242.7894	0.3558	286.2792	0.2013	135.8504	0.4878
143.4004	0.3654	243.4024	0.3545	286.8976	0.2111	133.3604	0.5344
145.8304	0.3733	244.0134	0.3533	287.1877	0.2216	131.0704	0.5087
148.0504	0.3223	244.6254	0.3504	287.2906	0.2330	128.5004	0.4988
150.5804	0.3611	245.1554	0.3431	287.3915	0.2380	126.2604	0.5051
152.8904	0.3692	245.7684	0.3319			123.7904	0.4862
155.3804	0.3451	246.2994	0.3269			121.4204	0.4912
157.5604	0.3615	246.7894	0.3303			118.8904	0.4887
159.8704	0.3650	247.3814	0.3264			116.6004	0.4887
162.1604	0.3639	247.9734	0.3205			114.2204	0.4970
164.5204	0.3558	248.5854	0.3169			111.6904	0.4920
167.0104	0.3525	249.1774	0.3195			109.3604	0.4917
169.4604	0.3886	249.7484	0.3204			106.9304	0.4913
171.8304	0.4102	250.3204	0.3214			104.7404	0.4916
174.0104	0.4565	250.9324	0.3219			102.1504	0.4875
176.5604	0.4626	251.5244	0.3219			99.7004	0.4784
179.1604	0.4595	252.1164	0.3196			97.5004	0.4857
181.5204	0.4541	252.7224	0.3208			94.9704	0.4811
183.9104	0.3710	253.3104	0.3222			92.6204	0.4676
186.3804	0.3704	253.9114	0.3167			90.2304	0.4590
188.9314	0.3717	254.5224	0.3148			87.9104	0.4628
191.3384	0.3711	255.1364	0.3136			85.6204	0.4443
193.8684	0.4314	255.7284	0.3117			83.2004	0.4294
196.3614	0.3764	256.3404	0.3107			80.7304	0.4213
198.1544	0.3776	256.8704	0.3077			78.1404	0.4103

Scan 13, 130.2 psi/g

Reinforced Concrete Test Data

Track 2 - High Pressure Test

Scan 14, 135.3 page										
75.6204	0.3979	0.4607	157.5604	0.4607	246.7804	0.3824	247.3814	0.3776	287.2670	0.2796
73.0904	0.3799	0.4716	159.8704	0.4716	247.9814	0.3776	247.9814	0.3776	287.2428	0.2781
70.5204	0.3727	0.4772	162.1604	0.4772	247.9734	0.3724	247.9734	0.3724	287.2428	0.2781
67.9704	0.3550	0.4646	164.5204	0.4646	248.5834	0.3700	248.5834	0.3700	288.3547	0.2806
65.4604	0.3470	0.4470	167.0104	0.4470	249.1774	0.3724	249.1774	0.3724	281.4999	0.3291
62.9504	0.3289	0.4486	169.4604	0.4486	249.7484	0.3737	249.7484	0.3737	278.8584	0.3292
60.5004	0.3014	0.4547	171.8304	0.4547	250.3204	0.3737	250.3204	0.3737	276.3004	0.3351
57.9904	0.3011	0.4583	174.0104	0.4583	250.9324	0.3751	250.9324	0.3751	273.7274	0.3471
55.6104	0.2760	0.4684	176.5604	0.4684	251.5244	0.3751	251.5244	0.3751	271.2794	0.3638
53.0904	0.2591	0.4809	179.1604	0.4809	252.1164	0.3718	252.1164	0.3718	268.7494	0.3869
50.4404	0.2323	0.4878	181.5204	0.4878	252.7274	0.3741	252.7274	0.3741	266.2504	0.4079
47.7804	0.2189	0.4701	183.9104	0.4701	253.3194	0.3694	253.3194	0.3694	263.7594	0.4271
44.9304	0.1923	0.4714	186.3804	0.4714	253.9114	0.3665	253.9114	0.3665	261.2794	0.4508
39.8304	0.1593	0.4776	188.9214	0.4776	254.5224	0.3643	254.5224	0.3643	258.7684	0.4736
37.3804	0.1271	0.4748	193.8684	0.4748	255.1364	0.3627	255.1364	0.3627	256.3614	0.4900
35.1304	0.1049	0.4748	196.3614	0.4748	255.7281	0.3605	255.7281	0.3605	253.9524	0.5169
32.6904	0.0779	0.4748	198.1514	0.4748	256.3204	0.3605	256.3204	0.3605	251.4014	0.5411
30.2404	0.0721	0.4748	199.9324	0.4748	256.8704	0.3547	256.8704	0.3547	248.9524	0.5581
29.4204	0.0699	0.4748	201.0534	0.4748	257.5854	0.3546	257.5854	0.3546	246.5434	0.5581
31.8704	0.0817	0.4774	202.1754	0.4774	258.1354	0.3411	258.1354	0.3411	244.1154	0.5945
34.5204	0.1012	0.4757	203.3404	0.4757	258.6654	0.3431	258.6654	0.3431	241.5854	0.6081
36.9704	0.1255	0.4755	204.5214	0.4755	259.2594	0.3431	259.2594	0.3431	238.9524	0.6109
39.6304	0.1512	0.4819	205.6674	0.4819	259.8714	0.3431	259.8714	0.3431	236.7084	0.6303
42.0704	0.1685	0.4946	206.8901	0.4946	260.5444	0.3432	260.5444	0.3432	234.2994	0.6543
44.7304	0.1907	0.4797	207.9724	0.4797	261.1574	0.3432	261.1574	0.3432	231.8304	0.6681
47.1804	0.2110	0.4798	209.0754	0.4798	261.7684	0.3405	261.7684	0.3405	229.3614	0.6815
49.8304	0.2301	0.4439	210.2174	0.4439	262.3604	0.3349	262.3604	0.3349	226.9524	0.6930
52.2804	0.2520	0.4590	211.3384	0.4590	262.9534	0.3305	262.9534	0.3305	224.4834	0.7103
54.8704	0.2675	0.4629	212.4424	0.4629	263.5234	0.3257	263.5234	0.3257	222.0344	0.7181
57.2204	0.3041	0.4606	213.6854	0.4606	264.1364	0.3257	264.1364	0.3257	219.6254	0.7304
59.6204	0.4079	0.4676	214.8104	0.4676	264.7284	0.3212	264.7284	0.3212	216.9114	0.7386
61.9704	0.4119	0.4742	215.9114	0.4742	265.3304	0.3152	265.3304	0.3152	214.5644	0.7436
64.3504	0.43249	0.4728	217.0344	0.4728	266.4424	0.3125	266.4424	0.3125	212.0744	0.7285
66.7104	0.4421	0.4607	218.1554	0.4607	267.5854	0.3092	267.5854	0.3092	209.8284	0.6929
69.1104	0.4579	0.4648	219.4834	0.4648	268.7364	0.3070	268.7364	0.3070	207.4634	0.7691
71.4304	0.4648	0.4629	220.6944	0.4629	269.4014	0.3006	269.4014	0.3006	205.1154	0.7661
73.8504	0.4838	0.4644	221.8714	0.4644	270.0754	0.2940	270.0754	0.2940	199.5654	0.7660
76.1604	0.4927	0.4584	223.0144	0.4584	270.6874	0.2909	270.6874	0.2909	193.0524	0.7708
78.5204	0.4960	0.4545	224.1974	0.4545	271.3004	0.2910	271.3004	0.2910	190.6674	0.7710
80.8604	0.4763	0.4584	225.5854	0.4584	272.4424	0.2907	272.4424	0.2907	188.2794	0.7734
83.2804	0.4269	0.4582	226.9114	0.4582	272.9534	0.2889	272.9534	0.2889	185.7704	0.7689
85.6804	0.4139	0.4505	228.0744	0.4505	273.5444	0.2830	273.5444	0.2830	183.3604	0.7646
87.9604	0.4495	0.4530	229.2594	0.4530	274.1564	0.2802	274.1564	0.2802	180.9304	0.7581
90.1104	0.4543	0.4466	230.5244	0.4466	275.3404	0.2798	275.3404	0.2798	178.4404	0.7727
92.2504	0.4733	0.4419	231.1164	0.4419	276.6264	0.2756	276.6264	0.2756	175.6704	0.7731
94.6704	0.4815	0.4418	232.2594	0.4418	277.8574	0.2701	277.8574	0.2701	173.2004	0.7840
96.8704	0.4832	0.4419	233.4624	0.4419	278.4509	0.2744	278.4509	0.2744	170.9104	0.8008
99.8704	0.4832	0.4419	234.6644	0.4419	279.1427	0.2743	279.1427	0.2743	167.8504	0.7718
102.2804	0.4811	0.4419	235.8584	0.4411	279.7500	0.2669	279.7500	0.2669	165.4204	0.7703
104.8804	0.4889	0.4396	236.6644	0.4396	280.3917	0.2711	280.3917	0.2711	162.8704	0.7828
107.9804	0.4889	0.4396	238.0754	0.4396	281.0345	0.2799	281.0345	0.2799	160.4004	0.7725
109.5404	0.4905	0.4388	239.2594	0.4388	281.6305	0.2807	281.6305	0.2807	157.9904	0.7557
111.8904	0.4919	0.4368	240.8424	0.4368	282.2866	0.2849	282.2866	0.2849	155.7504	0.7503
114.4304	0.4987	0.4368	242.8424	0.4368	282.8346	0.3457	282.8346	0.3457	153.0904	0.7783
116.8504	0.4981	0.4311	244.0544	0.4311	283.5346	0.3457	283.5346	0.3457	150.6904	0.7665
119.1304	0.4906	0.4240	245.5854	0.4240	284.2896	0.3199	284.2896	0.3199	148.1004	0.7194
121.6804	0.4927	0.4175	247.9814	0.4175	285.0120	0.1920	285.0120	0.1920	145.8504	0.7568
124.6804	0.4965	0.4184	249.1774	0.4184	285.6183	0.2194	285.6183	0.2194	143.3304	0.7754
126.4404	0.4965	0.4184	250.9324	0.4184	286.2792	0.2174	286.2792	0.2174	140.7704	0.7536
128.7304	0.4945	0.4165	252.7274	0.4165	286.8976	0.2271	286.8976	0.2271	138.3404	0.7546
131.1904	0.4918	0.4182	253.9114	0.4182	287.1877	0.2399	287.1877	0.2399	135.8504	0.8271
133.6404	0.4841	0.4171	254.5224	0.4171	287.3915	0.2501	287.3915	0.2501	133.3604	0.7925
136.1704	0.4797	0.4171	255.1364	0.4171					131.0704	0.7897
138.6404	0.4766	0.4171	255.7281	0.4171					128.5004	0.7897
141.4404	0.4724	0.4171	256.3204	0.4171					126.0274	0.7897
143.8404	0.4681	0.4171	256.8704	0.4171					123.9004	0.7880
146.8404	0.4648	0.4171	257.5854	0.4171					121.4304	0.7817

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Reinforced Concrete Test Data

Track 2 - High Pressure Test

118.8904	0.7829	114.4204	0.7753	236.3204	0.6522	279.1427	0.3447
116.6004	0.7779	116.8504	0.7776	236.8914	0.6461	279.7590	0.3274
114.2204	0.7807	119.1404	0.7776	237.5024	0.6406	280.3917	0.3265
111.6904	0.7753	121.6004	0.7838	238.0754	0.6364	281.0345	0.3309
109.3604	0.7725	124.0104	0.7819	238.6464	0.6368	281.6305	0.3372
106.9304	0.7668	126.4404	0.7882	239.2594	0.6321	282.2366	0.3383
104.7404	0.7594	128.7304	0.7932	239.8494	0.6260	282.8631	0.4669
102.1504	0.7505	131.1904	0.8087	240.4424	0.6256	283.5346	0.4469
99.7004	0.7344	133.7504	0.8304	241.0544	0.6304	284.2896	0.1774
97.5904	0.7395	136.1704	0.7624	241.5854	0.6200	285.0120	0.2232
94.9704	0.7245	138.6704	0.7565	242.1964	0.6183	285.6183	0.2557
92.6204	0.7097	140.9104	0.7513	242.7894	0.6188	286.2792	0.2591
90.2304	0.6981	143.4004	0.7509	243.4024	0.6147	286.8976	0.2705
87.9104	0.6938	145.8304	0.7595	244.0134	0.6101	287.1877	0.2795
85.6004	0.6690	148.0504	0.7142	244.6254	0.6022	287.2096	0.2871
83.2004	0.6412	150.5804	0.7515	245.1554	0.5926	287.1425	0.2896
80.7304	0.6245	152.8904	0.7641	245.7684	0.5801		
78.1404	0.6040	155.3804	0.7367	246.2994	0.5670		
75.6204	0.5798	157.5604	0.7551	246.7894	0.5661		
73.0904	0.5561	159.8704	0.7659	247.3814	0.5614		
70.5204	0.5346	162.1604	0.7602	247.9734	0.5530	287.2670	0.3316
67.9704	0.5034	164.5204	0.7602	248.5854	0.5452	287.2428	0.3301
65.4604	0.4815	167.0104	0.7637	249.1774	0.5411	286.7693	0.2970
62.9504	0.4524	169.4604	0.7993	249.7484	0.5422	284.3547	0.3182
60.5004	0.4276	171.8304	0.8285	250.3204	0.5422	281.4999	0.4039
57.9904	0.4130	174.2404	0.8285	250.9324	0.5420	278.8584	0.4129
55.6104	0.3758	176.5604	0.7741	251.5244	0.5384	276.3004	0.4266
53.0904	0.3450	179.1604	0.7588	252.1164	0.5337	273.7274	0.4583
50.2404	0.3168	181.5204	0.7595	252.7274	0.5334	271.2794	0.4908
47.7804	0.2850	183.9104	0.7660	253.3194	0.5299	268.7494	0.5265
44.9304	0.2612	186.3804	0.7717	253.9114	0.5180	266.2594	0.5635
42.2704	0.2260	188.9314	0.7736	254.5224	0.5099	263.8304	0.5936
39.8304	0.1976	191.3814	0.7765	255.1364	0.5041	261.2794	0.6256
37.3804	0.1638	193.8684	0.7703	255.7284	0.4997	258.7684	0.6687
35.1304	0.1327	196.3614	0.7751	256.3404	0.4988	256.3614	0.7007
32.6904	0.1108	198.1544	0.7700	256.8704	0.4973	253.9524	0.7452
30.2404	0.0872	199.9324	0.7771	257.5854	0.4922	251.4014	0.7743
29.4204	0.0972	201.0534	0.7786	258.1354	0.4868	248.9524	0.7891
31.8704	0.1124	202.1754	0.7733	258.6654	0.4824	246.5544	0.8333
34.5204	0.1379	203.3404	0.7682	259.2594	0.4746	244.1154	0.8805
36.9704	0.1645	204.5214	0.7744	259.8714	0.4695	241.5854	0.90216
39.6304	0.1964	205.6674	0.7744	260.5444	0.4645	238.9924	0.9216
42.0704	0.2242	206.8904	0.7827	261.1574	0.4620	236.7084	0.9538
44.7304	0.2561	209.0754	0.7318	261.7684	0.4611	234.2994	0.9936
47.1804	0.2812	209.0754	0.7318	262.3604	0.4597	231.8304	1.0182
49.8304	0.3091	210.2174	0.7126	262.9534	0.4525	229.3614	1.0439
52.2804	0.3394	211.3384	0.7262	263.5234	0.4460	226.9524	1.0684
54.8704	0.3604	212.4424	0.7404	264.1364	0.4385	224.4834	1.0913
57.2204	0.4103	213.6834	0.7439	264.7284	0.4313	222.0344	1.1094
59.6204	0.4114	214.8104	0.7456	265.3404	0.4267	219.6254	1.1279
61.9704	0.4337	215.9114	0.7491	265.8914	0.4238	216.9114	1.1376
64.3504	0.4618	217.0344	0.7473	266.4424	0.4176	214.5644	1.1482
66.7104	0.4835	218.1554	0.7429	266.9724	0.4125	212.0744	1.1256
69.1104	0.5108	219.4834	0.7371	267.5854	0.4093	209.8284	1.1127
71.4304	0.5292	220.6044	0.7306	268.1364	0.4049	207.4634	1.1827
73.8504	0.5575	221.8714	0.7217	268.7284	0.3933	205.1154	1.1726
76.1604	0.5780	223.0144	0.7190	269.4014	0.3865	202.6664	1.1830
78.5204	0.6011	224.1974	0.7158	270.0754	0.3856	200.3194	1.1878
80.8904	0.6187	225.5854	0.7098	270.6874	0.3823	197.9714	1.1819
83.2804	0.6387	226.9114	0.7057	271.3004	0.3780	195.5654	1.1849
85.6904	0.6497	228.0744	0.7016	271.8304	0.3761	193.0524	1.1880
87.9504	0.6716	229.2594	0.6932	272.4424	0.3722	190.6674	1.1879
90.3104	0.6829	230.5244	0.6880	272.9534	0.3668	188.2794	1.1850
92.7504	0.7139	231.1164	0.6823	273.5444	0.3565	185.7704	1.1805
95.0904	0.7302	231.7084	0.6761	274.1564	0.3554	183.3604	1.1711
97.6704	0.7415	232.2594	0.6768	274.7084	0.3554	180.9304	1.1714
99.8704	0.7432	232.8504	0.6779	275.3404	0.3522	178.4404	1.1782
102.2804	0.7432	233.4624	0.6742	275.9524	0.3493	175.6704	1.1869
104.8904	0.7534	234.0554	0.6687	276.6264	0.3484	173.2004	1.1716
107.0904	0.7569	234.6664	0.6636	277.2304	0.3411	170.9104	1.2156
109.5404	0.7604	235.2584	0.6618	277.8874	0.3393	167.8504	1.1752
111.8304	0.7664	235.8994	0.6680	278.4509	0.3340	165.4204	1.1724

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Reinforced Concrete Test Data

Track 2 - High Pressure Test

162.8704	1.1802	71.4204	0.7569	220.6044	1.1305	268.1364	0.5457
160.4004	1.1603	73.8504	0.7947	221.8314	1.1227	268.7284	0.5327
157.9904	1.1399	76.1604	0.8277	223.0144	1.1140	269.4014	0.5227
155.7504	1.1315	78.5204	0.8665	224.1974	1.1046	270.0754	0.5193
153.0904	1.1688	80.8904	0.8882	225.5854	1.0950	270.6874	0.5144
150.6904	1.1360	83.2804	0.9222	226.9114	1.0852	271.3004	0.5072
148.1004	1.0906	85.6004	0.9465	228.0744	1.0774	271.8304	0.5024
145.8504	1.1249	87.9504	0.9782	229.2594	1.0579	272.4424	0.4926
143.3204	1.1279	90.3104	0.9966	230.5244	1.0509	272.9534	0.4834
140.7704	1.1327	92.7504	1.0314	231.1164	1.0451	273.5144	0.4738
138.3404	1.1338	95.0804	1.0591	231.7084	1.0381	274.1564	0.4683
135.8504	1.1549	97.6704	1.0708	232.2594	1.0377	274.7084	0.4626
133.3604	1.1824	99.8704	1.0843	232.8504	1.0357	275.3404	0.4566
131.0704	1.1736	102.2804	1.0936	233.4624	1.0262	275.9524	0.4510
128.5004	1.1694	104.8904	1.1112	234.0554	1.0184	276.6264	0.4455
126.2604	1.1735	107.0904	1.1126	234.6224	1.0003	277.2304	0.4331
123.7904	1.1692	109.5404	1.1211	235.2584	0.9989	277.8874	0.4284
121.4204	1.1634	111.8904	1.1292	235.8094	0.9944	278.4509	0.4273
118.8704	1.1539	114.4204	1.1430	236.3704	0.9873	279.1427	0.4218
116.6004	1.1524	116.8504	1.1495	236.8914	0.9762	279.7590	0.4129
114.2204	1.1522	119.1404	1.1525	237.5024	0.9688	280.3917	0.4127
111.6904	1.1444	121.6004	1.1582	238.0754	0.9610	281.0345	0.4110
109.3604	1.1326	124.0104	1.1597	238.6264	0.9577	281.6305	0.4086
106.9304	1.1173	126.4404	1.1683	239.2594	0.9514	282.2366	0.4139
104.7404	1.1104	128.7304	1.1673	239.8494	0.9429	282.8631	0.5407
102.1504	1.0981	131.1904	1.1821	240.4424	0.9389	283.5346	0.5374
99.7004	1.0747	133.7504	1.2083	241.0544	0.9321	284.2896	0.2430
97.5004	1.0733	136.1704	1.1416	241.5854	0.9253	285.0120	0.2442
94.9704	1.0563	138.6704	1.1368	242.1964	0.9178	285.6183	0.2976
92.6204	1.0242	140.9104	1.1259	242.7994	0.9132	286.2792	0.3012
90.2304	1.0037	143.4004	1.1155	243.4024	0.9050	286.8976	0.3132
87.9104	0.9996	145.8704	1.1284	244.0134	0.8981	287.1877	0.3244
85.6004	0.9670	148.0504	1.0826	244.6254	0.8863	287.2096	0.3340
83.2004	0.9209	150.5804	1.1328	245.1554	0.8716	287.1425	0.3371
80.7304	0.8892	152.8904	1.1416	245.7684	0.8628		
78.1404	0.8580	155.3804	1.1177	246.2994	0.8426		
75.6204	0.8223	157.5604	1.1343	246.7894	0.8363		
73.0904	0.7823	159.8704	1.1506	247.3814	0.8278		
70.5204	0.7463	162.1604	1.1625	247.9734	0.8177		
67.9704	0.6996	164.5204	1.1601	248.5854	0.8104		
65.4604	0.6722	167.0104	1.1712	249.1774	0.8083		
62.9504	0.6310	169.4604	1.2107	249.7484	0.8014		
60.5004	0.5825	171.8304	1.2331	250.3204	0.7967		
57.9904	0.5610	174.0104	1.1736	250.9324	0.7921		
55.6104	0.5099	176.5604	1.1897	251.5244	0.7841		
53.0904	0.4688	179.1604	1.1737	252.1164	0.7735		
50.2404	0.4313	181.5204	1.1776	252.7204	0.7673		
47.7804	0.3937	183.9104	1.1805	253.3194	0.7635		
44.9304	0.3476	186.3804	1.1857	253.9114	0.7482		
42.2704	0.2961	188.9314	1.1951	254.5224	0.7364		
39.8304	0.2683	191.3284	1.1973	255.1364	0.7289		
37.3804	0.2259	193.8684	1.1909	255.7284	0.7210		
35.1304	0.1831	196.3614	1.1974	256.3404	0.7126		
32.6904	0.1448	198.1544	1.1934	256.8704	0.7064		
30.2404	0.1256	199.9324	1.1962	257.5854	0.6990		
29.4204	0.1159	201.0534	1.1971	258.1354	0.6913		
31.8704	0.1517	202.1754	1.1996	258.6654	0.6836		
34.5204	0.1852	203.3404	1.1940	259.2594	0.6704		
36.9704	0.2260	204.5214	1.1863	259.8714	0.6618		
39.6304	0.2693	205.6674	1.1949	260.5444	0.6534		
42.0704	0.2986	206.8204	1.2015	261.1574	0.6471		
44.7304	0.3474	207.9724	1.1883	261.7684	0.6409		
47.1804	0.3815	209.0754	1.1428	262.3604	0.6338		
49.8304	0.4312	210.2174	1.1145	262.9544	0.6238		
52.2804	0.4652	211.3384	1.1309	263.5244	0.6146		
54.8704	0.4967	212.4424	1.1448	264.1364	0.6054		
57.2204	0.5544	213.6854	1.1461	264.7284	0.5974		
59.6204	0.5713	214.8104	1.1518	265.3404	0.5895		
61.9704	0.6079	215.9114	1.1534	265.8914	0.5827		
64.3504	0.6535	217.0344	1.1517	266.4424	0.5746		
66.7104	0.6875	218.1524	1.1460	266.9724	0.5662		
69.1104	0.7212	219.4834	1.1443	267.5854	0.5553		

Scan 16, 145.8 psig

287.2670	0.3920
287.2428	0.3906
286.7693	0.3730
284.3547	0.3820
281.4999	0.5035
278.8584	0.5245
276.3004	0.5527
273.7274	0.5946
271.2794	0.6424
268.7494	0.6981
266.2594	0.7511
263.8304	0.7928
261.2794	0.8468
258.7684	0.9115
256.3614	0.9635
253.9524	1.0232
251.4014	1.0691
248.9524	1.0936
246.5434	1.1510
244.1154	1.2300
241.5854	1.2698
238.9924	1.2971
236.7084	1.3420
234.2994	1.3990
231.8304	1.4361
229.3614	1.4737
226.9524	1.5010
224.4834	1.5234
222.0344	1.5493
219.6254	1.5694
216.9114	1.5820
214.5644	1.5860
212.0744	1.5673
209.8284	1.5331

Reinforced Concrete Test Data

Track 2 - High Pressure Test

207.4634	1.6215	30.2404	0.1629	199.9324	1.6239	257.5854	0.9509
205.1154	1.6197	29.4204	0.1531	201.0534	1.6251	258.1354	0.9396
202.6664	1.6151	31.8704	0.1889	202.1754	1.6282	258.6654	0.9302
200.3194	1.6140	34.5204	0.2441	203.3404	1.6274	259.2594	0.9137
197.9714	1.6082	36.9704	0.3042	204.5214	1.6244	259.8714	0.9004
195.5654	1.6080	39.6304	0.3552	205.6674	1.6117	260.5444	0.8885
193.0524	1.6107	42.0704	0.3962	206.8904	1.6449	261.1574	0.8789
190.6674	1.6088	44.7304	0.4527	207.9724	1.6365	261.7664	0.8692
188.2794	1.6008	47.1804	0.5055	209.0754	1.5829	262.3604	0.8531
185.7704	1.5923	49.8304	0.5640	210.2174	1.5478	262.9534	0.8336
183.3664	1.5805	52.2804	0.6206	211.3384	1.5723	263.5234	0.8206
180.9304	1.5747	54.8704	0.6668	212.4424	1.5851	264.1364	0.8076
178.4404	1.5842	57.2204	0.7323	213.6854	1.5925	264.7284	0.7987
175.6704	1.5861	59.6204	0.7804	214.8104	1.6014	265.3404	0.7888
173.2004	1.5914	61.9704	0.8205	215.9114	1.6069	265.8914	0.7776
170.9104	1.6135	64.3504	0.8781	217.0344	1.5968	266.4424	0.7660
167.8504	1.5705	66.7104	0.9308	218.1554	1.5912	266.9724	0.7540
165.4204	1.5639	69.1104	0.9785	219.4834	1.5888	267.5854	0.7399
162.8704	1.5635	71.4204	1.0312	220.6044	1.5828	268.1364	0.7282
160.4004	1.5350	73.8504	1.0890	221.8714	1.5681	268.7284	0.7126
157.9904	1.5169	76.1604	1.1347	223.0144	1.5609	269.4014	0.6980
155.7504	1.5104	78.5204	1.1838	224.1974	1.5462	270.0754	0.6884
153.0904	1.5339	80.8904	1.2194	225.5874	1.5315	270.6874	0.6791
150.6904	1.5058	83.2804	1.2613	226.9714	1.5260	271.3004	0.6650
148.1004	1.4608	85.6004	1.2998	228.0744	1.5174	271.8304	0.6554
145.8504	1.5000	87.9504	1.3358	229.2594	1.4968	272.4424	0.6454
143.3204	1.4927	90.3104	1.3647	230.5244	1.4811	272.9534	0.6360
140.7704	1.5110	92.7504	1.4047	231.1164	1.4696	273.5444	0.6201
138.3404	1.5193	95.0904	1.4369	231.7084	1.4625	274.1564	0.6096
135.8504	1.5345	97.6704	1.4699	232.2594	1.4600	274.7084	0.5994
133.3664	1.5562	99.8704	1.4765	232.8504	1.4514	275.3404	0.5856
131.0704	1.5616	102.2804	1.4828	233.4624	1.4391	275.9524	0.5754
128.5004	1.5558	104.8904	1.4973	234.0554	1.4318	276.6264	0.5619
126.2604	1.5638	107.0904	1.5045	234.6664	1.4196	277.2304	0.5520
123.7904	1.5549	109.5404	1.5113	235.2584	1.4068	277.8874	0.5410
121.4204	1.5461	111.8904	1.5225	235.8094	1.3973	278.4509	0.5371
118.8904	1.5409	114.4204	1.5384	236.3204	1.3867	279.1427	0.5322
116.6004	1.5425	116.8504	1.5462	236.8914	1.3717	279.7590	0.5161
114.2204	1.5465	119.1404	1.5446	237.5024	1.3580	280.3917	0.5134
111.6904	1.5360	121.6004	1.5483	238.0754	1.3472	281.0345	0.5170
109.3604	1.5230	124.0104	1.5504	238.6464	1.3403	281.6305	0.5076
106.9304	1.5080	126.4104	1.5608	239.2594	1.3313	282.2366	0.5048
104.7404	1.5044	128.7304	1.5580	239.8194	1.3206	282.8631	0.6341
102.1504	1.4875	131.1904	1.5669	240.4424	1.3143	283.5346	0.6460
99.7004	1.4664	133.7504	1.5677	241.0544	1.3049	284.2896	0.3463
97.5004	1.4616	136.1704	1.5251	241.5854	1.2969	285.0120	0.2842
94.9704	1.4314	138.6704	1.5172	242.1964	1.2857	285.6183	0.3590
92.6204	1.4016	140.9104	1.5045	242.7894	1.2739	286.2792	0.3644
90.2304	1.3792	143.4004	1.4900	243.4024	1.2589	286.8976	0.3756
87.9104	1.3607	145.8304	1.4982	244.0134	1.2481	287.1877	0.3873
85.6004	1.3149	148.0504	1.4530	244.6254	1.2366	287.2099	0.3960
83.2004	1.2598	150.5804	1.5021	245.1554	1.2211	287.1425	0.3989
80.7304	1.2171	152.8904	1.5349	245.7684	1.2057		
78.1404	1.1765	155.3804	1.4995	246.2994	1.1816		
75.6204	1.1239	157.5604	1.5142	246.7894	1.1757		
73.0904	1.0690	159.8704	1.5283	247.3814	1.1661		
70.5204	1.0170	162.1604	1.5421	247.9734	1.1512		
67.9704	0.9488	164.5204	1.5510	248.5854	1.1366		
65.4604	0.9141	167.0104	1.5596	249.1774	1.1269		
62.9504	0.8518	169.4604	1.6039	249.7494	1.1148		
60.0004	0.7951	171.8404	1.6370	250.3204	1.1048		
57.9904	0.7519	174.0104	1.5615	250.9324	1.0951		
55.6104	0.6929	176.5604	1.5902	251.5244	1.0851		
53.0904	0.6290	179.1604	1.5770	252.1164	1.0710		
50.2404	0.5779	181.5204	1.5832	252.7274	1.0640		
47.7804	0.5268	183.9104	1.5927	253.3194	1.0515		
44.9304	0.4555	186.3804	1.6012	253.9114	1.0360		
42.2704	0.3936	188.9314	1.6171	254.5224	1.0209		
39.8304	0.3571	191.3384	1.6209	255.1364	1.0056		
37.3804	0.3061	193.8684	1.6170	255.7284	0.9929		
35.1304	0.2536	196.3614	1.6232	256.3404	0.9825		
32.6904	0.1875	198.1544	1.6235	256.8704	0.9694		

scan 17, 0 psig (posttest)

287.2670	0.2131
287.2428	0.2115
286.7693	0.1878
284.3547	0.1700
281.4999	0.2663
278.8584	0.2795
276.3004	0.2986
273.7274	0.3308
271.2794	0.3764
268.7494	0.4175
266.2594	0.4568
261.8304	0.4931
261.2794	0.5326
258.7684	0.5869
256.3614	0.6287
253.9524	0.6799

Reinforced Concrete Test Data

Track 2 - High Pressure Test

251.4014	0.7145	75.6204	0.7265	157.5604	1.2015	246.7894	0.7954
248.9524	0.7412	73.0904	0.7022	159.8704	1.2176	247.3814	0.7895
246.5434	0.7766	70.5204	0.6741	162.1604	1.2270	247.9734	0.7756
244.1154	0.7659	67.9704	0.6290	164.5204	1.2333	248.5854	0.7650
241.5854	0.7205	65.4604	0.6086	167.0104	1.2288	249.1774	0.7600
238.9024	0.7128	62.9504	0.5618	169.4604	1.2467	249.7484	0.7510
236.7084	0.7503	60.5004	0.5092	171.8304	1.2637	250.3204	0.7415
234.2994	0.8055	57.9904	0.4914	174.0104	1.2323	250.9324	0.7310
231.8304	0.8456	55.6104	0.4404	176.5604	1.2543	251.5244	0.7210
229.3614	0.8874	53.0904	0.4118	179.1604	1.2429	252.1164	0.7096
226.9524	0.9196	50.2404	0.3741	181.5204	1.2407	252.7274	0.7017
224.4834	0.9543	47.7804	0.3362	183.9104	1.2459	253.3194	0.6958
222.0344	0.9957	44.9304	0.2928	186.3804	1.2496	253.9114	0.6815
219.6254	1.0530	42.2704	0.2517	188.9314	1.2557	254.5224	0.6644
216.9114	1.1124	39.8304	0.2281	191.3384	1.2630	255.1334	0.6585
214.5644	1.1598	37.3804	0.1943	193.8684	1.2541	255.7284	0.6508
212.0744	1.1676	35.1304	0.1585	196.5014	1.2599	256.3404	0.6391
209.8284	1.1257	32.6904	0.1209	198.1544	1.2551	256.8704	0.6318
207.4634	1.1008	30.2404	0.1046	199.9324	1.2443	257.5854	0.6194
205.1154	1.1178	29.4204	0.0989	201.0534	1.2308	258.1354	0.6058
202.6664	1.1637	31.8704	0.1135	202.1754	1.2156	258.6654	0.5949
200.3194	1.2161	34.5204	0.1470	203.3404	1.1960	259.2594	0.5837
197.9714	1.2394	36.9704	0.1864	204.5214	1.1756	259.8714	0.5721
195.5654	1.2527	39.6304	0.2230	205.6674	1.1600	260.5444	0.5623
193.0524	1.2546	42.0704	0.2483	206.8904	1.1470	261.1574	0.5529
190.6674	1.2541	44.7304	0.2910	207.9724	1.1167	261.7684	0.5442
188.2794	1.2537	47.1804	0.3247	209.0754	1.1099	262.3604	0.5340
185.7704	1.2438	49.8304	0.3567	210.2174	1.1692	262.9534	0.5217
183.3604	1.2459	52.2804	0.3925	211.3384	1.1946	263.5234	0.5130
180.9304	1.2403	54.8704	0.4238	212.4424	1.2041	264.1364	0.5022
178.4404	1.2477	57.2204	0.4804	213.6854	1.1768	264.7284	0.4905
175.6704	1.2513	59.6204	0.4977	214.8104	1.1804	265.3404	0.4835
173.2004	1.2597	61.9704	0.5337	215.9114	1.1782	265.8914	0.4747
170.9104	1.2443	64.3504	0.5736	217.0344	1.1652	266.4424	0.4665
167.8504	1.2449	66.7104	0.6116	218.1554	1.1470	266.9724	0.4557
165.4204	1.2414	69.1104	0.6521	219.4834	1.1160	267.5854	0.4451
162.8704	1.2411	71.4204	0.6830	220.6044	1.0894	268.1364	0.4386
160.4004	1.2255	73.8504	0.7132	221.8714	1.0763	268.7284	0.4269
157.9904	1.2057	76.1604	0.7337	223.0144	1.0557	269.4014	0.4164
155.7504	1.1981	78.5204	0.8045	224.1974	1.0251	270.0754	0.4079
153.0904	1.2039	80.8904	0.8440	225.5854	1.0110	270.6874	0.3976
150.6904	1.2007	83.2804	0.8843	226.9114	0.9993	271.3004	0.3887
148.1004	1.1504	85.6004	0.9137	228.0744	0.9896	271.8304	0.3798
145.8504	1.0742	87.9504	0.9532	229.2594	0.9764	272.4424	0.3697
143.3204	1.0996	90.3104	0.9741	230.5244	0.9499	272.9534	0.3626
140.7704	1.1763	92.7504	1.0641	231.1164	0.9369	273.5444	0.3482
138.3404	1.1913	95.0904	1.0235	231.7084	0.9226	274.1564	0.3415
135.8504	1.1612	97.6704	1.0428	232.2594	0.9211	274.7084	0.3369
133.3604	1.2135	99.8704	1.0645	232.8504	0.9175	275.3404	0.3284
131.0704	1.2020	102.2804	1.0859	233.4624	0.9082	275.9524	0.3188
128.5004	1.2000	104.8904	1.1002	234.0554	0.8999	276.6264	0.3106
126.2604	1.2074	107.0904	1.1085	234.6664	0.8884	277.2304	0.2987
123.7904	1.1896	109.5404	1.1164	235.2584	0.8757	277.8874	0.2929
121.4204	1.1817	111.8904	1.1308	235.8094	0.8579	278.4504	0.2896
118.8904	1.1703	114.4204	1.1513	236.3204	0.8288	279.1427	0.2827
116.6004	1.1663	116.8504	1.1589	236.8914	0.8158	279.7590	0.2747
114.2204	1.1628	119.1404	1.1670	237.5024	0.7987	280.3917	0.2750
111.6904	1.1498	121.6004	1.1759	238.0754	0.7851	281.0345	0.2738
109.3604	1.1357	124.0104	1.1842	238.6464	0.7836	281.6305	0.2671
106.9304	1.1197	126.4404	1.1997	239.2594	0.7784	282.2366	0.2615
104.7404	1.1099	128.7304	1.1986	239.8494	0.7766	282.8631	0.3818
102.1504	1.0911	131.1904	1.2094	240.4424	0.7752	283.5346	0.2993
99.7004	1.0687	133.7504	1.2001	241.0544	0.7653	284.2896	0.0753
97.5004	1.0455	136.1704	1.1836	241.5854	0.7612	285.0120	0.1483
94.9704	1.0303	138.6704	1.1854	242.1964	0.7489	285.6183	0.1600
92.6204	1.0091	140.9104	1.1447	242.7894	0.7361	286.2792	0.1723
90.2304	0.9908	143.4004	1.0367	243.4024	0.7288	286.8976	0.1848
87.9104	0.9750	145.8304	1.1161	244.0134	0.7346	287.1877	0.1938
85.6004	0.9333	148.0504	1.1493	244.6254	0.7455	287.2096	0.2004
83.2004	0.8849	150.5804	1.1639	245.1554	0.7571	287.1425	0.2023
80.7304	0.8491	152.8904	1.2226	245.7684	0.7771		
78.1404	0.7956	155.3804	1.1908	246.2994	0.7821		

Reinforced Concrete Test Data

Track 3 - High Pressure Test

Scan 1, 49.2 psig		80.6938	0.0958	54.4918	0.0811	36.3298	0.0446
97.6000	0.0729	78.3288	0.1068	52.0718	0.0800	38.7948	0.0581
97.5931	0.0787	75.9578	0.1009	49.6268	0.0697	41.3228	0.0697
97.2149	0.0755	73.5928	0.1008	47.2538	0.0646	43.8428	0.0743
95.0729	0.0801	71.1538	0.0999	44.7828	0.0599	46.3158	0.0825
92.7148	0.1123	68.8018	0.0890	42.4108	0.0538	48.7748	0.0889
90.2487	0.1119	66.4368	0.0865	39.9178	0.0492	51.2488	0.1007
87.8428	0.0807	64.0378	0.1419	37.4978	0.0365	53.7548	0.1061
85.4438	0.0816	61.6538	0.0816	35.0658	0.0280	56.2348	0.1078
83.0658	0.0863	59.2828	0.0731	32.5788	0.0203	58.6798	0.1140
80.6938	0.0739	56.8558	0.0768	31.6388	0.0216	61.1268	0.1155
78.3288	0.0843	54.4918	0.0722	33.8758	0.0241	63.6198	0.1320
75.9578	0.0779	52.0718	0.0688	36.3298	0.0250	66.1068	0.1289
73.5928	0.0745	49.6268	0.0630	38.7948	0.0408	68.5728	0.1366
71.1538	0.0772	47.2538	0.0541	41.3228	0.0512	71.0048	0.1396
68.8018	0.0679	44.7828	0.0457	43.8428	0.0535	73.5118	0.1398
66.4368	0.0666	42.4108	0.0449	46.3158	0.0605	76.0118	0.1499
64.0378	0.0659	39.9178	0.0380	48.7748	0.0644	78.5598	0.1427
61.6538	0.0617	37.4978	0.0290	51.2488	0.0771	81.2958	0.1393
59.2828	0.0597	35.0658	0.0211	53.7548	0.0879	83.7888	0.1474
56.8558	0.0549	32.5788	0.0155	56.2348	0.0891	86.2548	0.1450
54.4918	0.0540	31.6388	0.0060	58.6798	0.0893	88.6945	0.1418
52.0718	0.0492	33.8758	0.0184	61.1268	0.0948	91.1538	0.1705
49.6268	0.0417	36.3298	0.0203	63.6198	0.1299	93.6608	0.1524
47.2538	0.0407	38.7948	0.0304	66.1068	0.1052	96.1674	0.1375
44.7828	0.0347	41.3228	0.0459	68.5728	0.1046	97.5662	0.1787
42.4108	0.0337	43.8428	0.0473	71.0048	0.1121		
39.9178	0.0271	46.3158	0.0493	73.5118	0.1123		
37.4978	0.0181	48.7748	0.0546	76.0118	0.1222	Scan 5, 90.6 psig	
35.0658	0.0084	51.2488	0.0677	78.5598	0.1152	97.6000	0.2163
32.5788	0.0047	53.7548	0.0757	81.2958	0.1174	97.6000	0.2163
31.6388	0.0076	56.2348	0.0799	83.7888	0.1206	97.2149	0.1514
33.8758	0.0075	58.6798	0.0805	86.2548	0.1175	95.0729	0.1609
36.3298	0.0065	61.1268	0.0834	88.6945	0.1146	92.7148	0.1912
38.7948	0.0207	63.6198	0.1047	91.1538	0.1463	90.2487	0.1927
41.3228	0.0301	66.1068	0.0821	93.6608	0.1274	87.8428	0.1619
43.8428	0.0313	68.5728	0.0907	96.1674	0.1107	85.4438	0.1614
46.3158	0.0317	71.0048	0.0965	97.5662	0.1340	83.0658	0.1653
48.7748	0.0317	73.5118	0.1006			80.6938	0.1528
51.2488	0.0427	76.0118	0.1115	Scan 4, 80.2 psig		78.3288	0.1613
53.7548	0.0515	78.5598	0.0993	97.6000	0.1266	75.9578	0.1578
56.2348	0.0583	81.2958	0.1005	97.6000	0.1266	73.5928	0.1537
58.6798	0.0610	83.7888	0.1075	97.2149	0.1291	71.1538	0.1540
61.1268	0.0630	86.2548	0.1055	95.0729	0.1392	68.8018	0.1462
63.6198	0.0576	88.6945	0.1035	92.7148	0.1737	66.4368	0.1366
66.1068	0.0591	91.1538	0.1318	90.2487	0.1710	64.0378	0.1419
68.5728	0.0698	93.6608	0.1179	87.8428	0.1397	61.6538	0.1270
71.0048	0.0759	96.1674	0.1028	85.4438	0.1425	59.2828	0.1172
73.5118	0.0751	97.5662	0.1472	83.0658	0.1452	56.8558	0.1175
76.0118	0.0880			80.6938	0.1337	54.4918	0.1131
78.5598	0.0812	Scan 3, 69.3 psig		78.3288	0.1403	52.0718	0.1057
81.2958	0.0768	97.6000	0.0907	75.9578	0.1366	49.6268	0.1006
83.7888	0.0869	97.6000	0.0907	73.5928	0.1336	47.2538	0.0878
86.2548	0.0833	97.2149	0.1114	71.1538	0.1342	44.7828	0.0787
88.6945	0.0785	95.0729	0.1134	68.8018	0.1295	42.4108	0.0747
91.1538	0.1116	92.7148	0.1463	66.4368	0.1097	39.9178	0.0709
93.6608	0.0969	90.2487	0.1470	64.0378	0.1549	37.4978	0.0562
96.1674	0.0828	87.8428	0.1130	61.6538	0.1152	35.0658	0.0419
97.5662	0.0801	85.4438	0.1150	59.2828	0.1069	32.5788	0.0330
		83.0658	0.1213	56.8558	0.1015	31.6388	0.0314
Scan 2, 59.6 psig		80.6938	0.1072	54.4918	0.0939	33.8758	0.0423
97.6000	0.0956	78.3288	0.1169	52.0718	0.0939	36.3298	0.0492
97.6000	0.0956	75.9578	0.1147	49.6268	0.0834	38.7948	0.0682
97.2149	0.0990	73.5928	0.1119	47.2538	0.0780	41.3228	0.0788
95.0729	0.1002	71.1538	0.1128	44.7828	0.0712	43.8428	0.0812
92.7148	0.1156	68.8018	0.1041	42.4108	0.0675	46.3158	0.0939
90.2487	0.1350	66.4368	0.0913	39.9178	0.0596	48.7748	0.1015
87.8428	0.1024	64.0378	0.1451	37.4978	0.0476	51.2488	0.1125
85.4438	0.1059	61.6538	0.0954	35.0658	0.0343	53.7548	0.1172
83.0658	0.1081	59.2828	0.0901	32.5788	0.0273	56.2348	0.1222
		56.8558	0.0880	31.6388	0.0151	58.6798	0.1226
				33.8758	0.0388		

Reinforced Concrete Test Data

Track 3 - High Pressure Test

61.1268	0.1266	88.6945	0.1737	97.6000	0.3182	75.9578	0.2223
63.6198	0.1385	91.1538	0.2057	97.2149	0.2027	73.5928	0.2227
66.1068	0.1399	93.6608	0.1877	95.0729	0.2139	71.1538	0.2164
68.5728	0.1532	96.1674	0.1718	92.7148	0.2509	68.8018	0.2046
71.0048	0.1589	97.5662	0.4042	90.2487	0.2457	66.4368	0.1907
73.5118	0.1571			87.8428	0.2127	64.0378	0.2423
76.0118	0.1693			85.4438	0.2150	61.6538	0.1859
78.5598	0.1673			83.0658	0.2191	59.2828	0.1590
81.2958	0.1596	Scan 7, 100.9 psig		80.6938	0.2061	56.8558	0.1625
83.7888	0.1684	97.6000	0.1800	78.3288	0.2109	54.4918	0.1482
86.2548	0.1642	97.6000	0.1800	75.9578	0.2094	52.0718	0.1439
88.6945	0.1652	97.2149	0.1813	73.5928	0.2036	49.6268	0.1307
91.1538	0.1904	95.0729	0.1926	71.1538	0.1984	47.2538	0.1160
93.6608	0.1765	92.7148	0.2241	68.8018	0.1909	44.7828	0.1061
96.1674	0.1532	90.2487	0.2224	66.4368	0.1663	42.4108	0.0995
97.5662	0.0253	87.8428	0.1914	64.0378	0.1948	39.9178	0.0879
		85.4438	0.1922	61.6538	0.1717	37.4978	0.0756
Scan 6, 95.7 psig		83.0658	0.1971	59.2828	0.1537	35.0658	0.0576
97.6000	0.1617	80.6938	0.1821	56.8558	0.1508	32.5788	0.0428
97.6000	0.1617	78.3288	0.1903	54.4918	0.1402	31.6388	0.0371
97.2149	0.1631	75.9578	0.1879	52.0718	0.1337	33.8758	0.0514
95.0729	0.1767	73.5928	0.1861	49.6268	0.1245	36.3298	0.0644
92.7148	0.2063	71.1538	0.1810	47.2538	0.1130	38.7948	0.0843
90.2487	0.2026	68.8018	0.1730	44.7828	0.0996	41.3228	0.0993
87.8428	0.1773	66.4368	0.1603	42.4108	0.0955	43.8428	0.1043
85.4438	0.1755	64.0378	0.1681	39.9178	0.0836	46.3158	0.1251
83.0658	0.1819	61.6538	0.1540	37.4978	0.0693	48.7748	0.1324
80.6938	0.1680	59.2828	0.1348	35.0658	0.0523	51.2488	0.1470
78.3288	0.1726	56.8558	0.1369	32.5788	0.0374	53.7548	0.1550
75.9578	0.1714	54.4918	0.1295	31.6388	0.0412	56.2348	0.1634
73.5928	0.1691	52.0718	0.1243	33.8758	0.0505	58.6798	0.1707
71.1538	0.1642	49.6268	0.1140	36.3298	0.0631	61.1268	0.1811
68.8018	0.1611	47.2538	0.1012	38.7948	0.0790	63.6198	0.2086
66.4368	0.1483	44.7828	0.0900	41.3228	0.0928	66.1068	0.1931
64.0378	0.1540	42.4108	0.0855	43.8428	0.1025	68.5728	0.2104
61.6538	0.1399	39.9178	0.0769	46.3158	0.1148	71.0048	0.2212
59.2828	0.1255	37.4978	0.0625	48.7748	0.1262	73.5118	0.2247
56.8558	0.1242	35.0658	0.0482	51.2488	0.1380	76.0118	0.2387
54.4918	0.1149	32.5788	0.0359	53.7548	0.1424	78.5598	0.2321
52.0718	0.1123	31.6388	0.0390	56.2348	0.1526	81.2958	0.2338
49.6268	0.1067	33.8758	0.0465	58.6798	0.1538	83.7888	0.2383
47.2538	0.0977	36.3298	0.0549	61.1268	0.1739	86.2548	0.2376
44.7828	0.0843	38.7948	0.0740	63.6198	0.2163	88.6945	0.2313
42.4108	0.0820	41.3228	0.0886	66.1068	0.1796	91.1538	0.2665
39.9178	0.0708	43.8428	0.0909	68.5728	0.1887	93.6608	0.2484
37.4978	0.0604	46.3158	0.1070	71.0048	0.2021	96.1674	0.2289
35.0658	0.0457	48.7748	0.1149	73.5118	0.2067	97.5662	0.0828
32.5788	0.0346	51.2488	0.1268	76.0118	0.2200		
31.6388	0.0339	53.7548	0.1345	78.5598	0.2132		
33.8758	0.0442	56.2348	0.1414	81.2958	0.2153	Scan 10, 117.8 psig	
36.3298	0.0515	58.6798	0.1414	83.7888	0.2209	97.6000	0.3346
38.7948	0.0698	61.1268	0.1641	86.2548	0.2160	97.6000	0.3346
41.3228	0.0824	63.6198	0.1799	88.6945	0.2117	97.6000	0.3346
43.8428	0.0856	66.1068	0.1653	91.1538	0.2426	95.0729	0.2599
46.3158	0.0991	68.5728	0.1767	93.6608	0.2279	92.7148	0.2934
48.7748	0.1070	71.0048	0.1856	96.1674	0.2104	90.2487	0.2868
51.2488	0.1189	73.5118	0.1868	97.5662	0.2030	87.8428	0.2585
53.7548	0.1264	76.0118	0.2009			85.4438	0.2533
56.2348	0.1315	78.5598	0.1927	Scan 9, 113.2 psig		83.0658	0.2560
58.6798	0.1298	81.2958	0.1941	97.6000	0.2250	80.6938	0.2422
61.1268	0.1422	83.7888	0.1988	97.6000	0.2250	78.3288	0.2483
63.6198	0.1565	86.2548	0.1928	97.6000	0.2250	75.9578	0.2412
66.1068	0.1593	88.6945	0.1881	95.0729	0.2370	73.5928	0.2367
68.5728	0.1634	91.1538	0.2199	92.7148	0.2668	71.1538	0.2357
71.0048	0.1701	93.6608	0.2043	90.2487	0.2668	68.8018	0.2199
73.5118	0.1696	96.1674	0.1846	87.8428	0.2337	66.4368	0.2019
76.0118	0.1851	97.5662	0.1787	85.4438	0.2332	64.0378	0.2526
78.5598	0.1782			83.0658	0.2386	61.6538	0.1962
81.2958	0.1761	Scan 8, 108.3 psig		80.6938	0.2225	59.2828	0.1701
83.7888	0.1823	97.6000	0.3182	78.3288	0.2294	56.8558	0.1705
86.2548	0.1842					54.4918	0.1606

Reinforced Concrete Test Data

Track 3 - High Pressure Test

52.0718	0.1495	33.8758	0.0567	61.1268	0.2348	86.2548	0.4026
49.6268	0.1381	36.3298	0.0678	63.6198	0.2649	88.6945	0.4049
47.2548	0.1257	38.7948	0.0927	66.1068	0.2437	91.1538	0.4436
44.7828	0.1123	41.3228	0.1092	68.5728	0.2737	93.6608	0.4306
42.4108	0.1047	43.8428	0.1140	71.0048	0.2855	96.1674	0.4153
39.9178	0.0921	46.3158	0.1359	73.5118	0.2996	97.5662	0.6722
37.4978	0.0800	48.7748	0.1473	76.0118	0.3153		
35.0658	0.0605	51.2488	0.1612	78.5598	0.3119		
32.5788	0.0419	53.7548	0.1725	81.2958	0.3141		
31.6388	0.0401	56.2348	0.1817	83.7888	0.3262	Scan 14, 135.3 psig	
33.8758	0.0533	58.6798	0.1894	86.2548	0.3266	97.6000	0.6075
36.3298	0.0654	61.1268	0.2058	88.6945	0.3340	97.6000	0.6075
38.7948	0.0863	63.6198	0.2343	91.1538	0.3648	97.6000	0.6075
41.3228	0.1053	66.1068	0.2232	93.6608	0.3520	95.0729	0.6180
43.8428	0.1082	68.5728	0.2434	96.1674	0.3341	92.7148	0.6474
46.3158	0.1288	71.0048	0.2507	97.5662	0.0583	90.2487	0.6339
48.7748	0.1400	73.5118	0.2580			87.8428	0.5929
51.2488	0.1536	76.0118	0.2732	Scan 13, 130.2 psig		85.4438	0.5822
53.7548	0.1648	78.5598	0.2677	97.6000	0.4051	83.0658	0.5722
56.2348	0.1724	81.2958	0.2667	97.6000	0.1051	80.6938	0.5478
58.6798	0.1823	83.7888	0.2743	97.6000	0.4051	78.3288	0.5327
61.1268	0.1993	86.2548	0.2780	95.0729	0.4201	75.9578	0.5170
63.6198	0.2338	88.6945	0.2712	92.7148	0.4479	73.5928	0.4947
66.1068	0.2099	91.1538	0.3084	90.2487	0.4404	71.1538	0.4769
68.5728	0.2268	93.6608	0.2921	87.8428	0.4065	68.8018	0.4476
71.0048	0.2368	96.1674	0.2759	85.4438	0.3954	66.4368	0.4080
73.5118	0.2424	97.5662	0.2344	83.0658	0.3937	64.0378	0.4415
76.0118	0.2545			80.6938	0.3731	61.6538	0.3860
78.5598	0.2526	Scan 12, 125.8 psig		78.3288	0.3707	59.2828	0.3408
81.2958	0.2513	97.6000	0.3277	75.9578	0.3620	56.8558	0.3147
83.7888	0.2578	97.6000	0.3277	73.5928	0.3514	54.4918	0.2945
86.2548	0.2557	95.0729	0.3400	71.1538	0.3415	52.0718	0.2769
88.6945	0.2544	92.7148	0.3689	68.8018	0.3201	49.6268	0.2520
91.1538	0.2877	90.2487	0.3676	66.4368	0.2929	47.2538	0.2259
93.6608	0.2721	87.8428	0.3297	64.0378	0.3353	44.7828	0.1995
96.1674	0.2552	85.4438	0.3246	61.6538	0.2825	42.4108	0.1807
97.5662	0.2489	83.0658	0.3248	59.2828	0.2471	39.9178	0.1626
		80.6938	0.3048	56.8558	0.2281	37.4978	0.1400
		78.3288	0.3093	54.4918	0.2266	35.0658	0.1073
		75.9578	0.3025	52.0718	0.2077	32.5788	0.0758
		73.5928	0.2952	49.6268	0.1928	31.6388	0.0618
		71.1538	0.2854	47.2538	0.1691	33.8758	0.0961
		68.8018	0.2723	44.7828	0.1526	36.3298	0.1200
		66.4368	0.2488	42.4108	0.1397	38.7948	0.1470
		64.0378	0.2226	39.9178	0.1258	41.3228	0.1736
		61.6538	0.2494	37.4978	0.1095	43.8428	0.1954
		59.2828	0.2116	35.0658	0.0810	46.3158	0.2278
		56.8558	0.2068	32.5788	0.0590	48.7748	0.2501
		54.4918	0.1929	31.6388	0.0581	51.2488	0.2759
		52.0718	0.1794	33.8758	0.0724	53.7548	0.2980
		49.6268	0.1663	36.3298	0.0932	56.2348	0.3142
		47.2538	0.1481	38.7948	0.1167	58.6798	0.3420
		44.7828	0.1325	41.3228	0.1384	61.1268	0.3835
		42.4108	0.1223	43.8428	0.1505	63.6198	0.4337
		39.9178	0.1099	46.3158	0.1724	66.1068	0.4230
		37.4978	0.0984	48.7748	0.1898	68.5728	0.4482
		35.0658	0.0732	51.2488	0.2093	71.0048	0.4744
		32.5788	0.0516	53.7548	0.2221	73.5118	0.4979
		31.6388	0.0567	56.2348	0.2357	76.0118	0.5268
		33.8758	0.0620	58.6798	0.2516	78.5598	0.5426
		36.3298	0.0764	61.1268	0.2717	81.2958	0.5582
		38.7948	0.1039	63.6198	0.2977	83.7888	0.5817
		41.3228	0.1224	66.1068	0.2901	86.2548	0.5920
		43.8428	0.1312	68.5728	0.3240	88.6945	0.6042
		46.3158	0.1505	71.0048	0.3425	91.1538	0.6415
		48.7748	0.1661	73.5118	0.3548	93.6608	0.6300
		51.2488	0.1809	76.0118	0.3749	96.1674	0.6147
		53.7548	0.1936	78.5598	0.3753	97.5662	0.6104
		56.2348	0.2066	81.2958	0.3845		
		58.6798	0.2128	83.7888	0.3982	Scan 15, 140.2 psig	

Reinforced Concrete Test Data

Track 3 - High Pressure Test

END

54.4918	0.3459
52.0718	0.3204
49.6268	0.2898
47.2538	0.2551
44.7925	0.2255
42.4108	0.2050
39.9178	0.1835
37.4978	0.1510
35.0658	0.1139
32.5788	0.0745
31.6388	0.0653
33.8758	0.0987
36.3298	0.1284
38.7948	0.1614
41.3228	0.1917
43.8428	0.2265
46.3158	0.2547
48.7748	0.2852
51.2488	0.3195
53.7548	0.3510
56.2348	0.3848
58.6798	0.4193
61.1268	0.4595
63.6198	0.4986
66.1068	0.5310
68.5728	0.5541
71.0048	0.5941
73.5118	0.6318
76.0118	0.6776
78.5598	0.7025
81.2958	0.7360
83.7888	0.7757
86.2548	0.7970
88.6945	0.8158
91.1538	0.8666
93.6608	0.8650
96.1674	0.8550
97.5662	0.8532
97.5662	0.8554
97.5797	0.8538

scan 17, 0 psig (posttest)

78.3288	1.0338
75.9578	0.9889
73.5928	0.9496
71.1538	0.9044
68.8018	0.8499
66.4368	0.7719
64.0378	0.7851
61.6538	0.7085
59.2828	0.6248
56.8558	0.5855
54.4918	0.5405
52.0718	0.5014
49.6268	0.4450
47.2538	0.4029
44.7828	0.3615
42.4108	0.3248
39.9178	0.2841
37.4978	0.2466
35.0658	0.1851
32.5788	0.1311
31.6388	0.1058
33.8758	0.1604
36.3298	0.2082
38.7948	0.2555
41.3228	0.3003
43.8428	0.3514
46.3158	0.3955
48.7748	0.4476
51.2488	0.4937
53.7548	0.5400
56.2348	0.5831
58.6798	0.6250
61.1268	0.6946
63.6198	0.7761
66.1068	0.7836
68.5728	0.8459
71.0048	0.9026
73.5118	0.9556
76.0118	1.0098
78.5598	1.0510
81.2958	1.0964
83.7888	1.1413
86.2548	1.1721
88.6945	1.1919
91.1538	1.2479
93.6608	1.2471
96.1674	1.2336
97.5662	1.4677

scan 16, 145.8 psig

97.6000	1.0033
97.6000	1.0033
95.0729	0.8909
92.7148	0.9156
90.2487	0.8961
87.8428	0.8508
85.4438	0.8445
83.0658	0.8131
80.6938	0.7721
78.3288	0.7516
75.9578	0.7231
73.5928	0.6916
71.1538	0.6684
68.8018	0.6240
66.4368	0.5659
64.0378	0.5961
61.6538	0.5184
59.2828	0.4604
56.8558	0.4330
54.4918	0.4007
52.0718	0.3734
49.6268	0.3429
47.2538	0.2991
44.7828	0.2658
42.4108	0.2437
39.9178	0.2158
37.4978	0.1866
35.0658	0.1427
32.5788	0.0935
31.6388	0.0806
33.8758	0.1239
36.3298	0.1579
38.7948	0.1940
41.3228	0.2272
43.8428	0.2611
46.3158	0.2986
48.7748	0.3355
51.2488	0.3672
53.7548	0.4021
56.2348	0.4317
58.6798	0.4693
61.1268	0.5137
63.6198	0.5775
66.1068	0.5750
68.5728	0.6211
71.0048	0.6618
73.5118	0.6995
76.0118	0.7351
78.5598	0.7590
81.2958	0.7905
83.7888	0.8244
86.2548	0.8410
88.6945	0.8580
91.1538	0.9043
93.6608	0.9025
96.1674	0.8863
97.5662	0.7863

Reinforced Concrete Test Data

Track 4 - High Pressure Test

Scan 1, 49.2 psig							
288.2320	0.1356	97.9425	0.0860	164.2725	0.0819	267.5545	0.0995
288.2320	0.1356	95.0425	0.1106	166.9425	0.0803	264.7175	0.0952
287.5156	0.0594	92.2225	0.1100	169.5325	0.0866	261.9825	0.1023
284.9297	0.0912	89.4525	0.1062	172.0825	0.0895	259.2275	0.0971
281.9972	0.0647	86.7525	0.1024	174.8025	0.0724	256.4725	0.1099
278.8891	0.0645	83.9625	0.0999	177.4725	0.0806	253.6155	0.1020
275.9215	0.0693	81.0625	0.0909	180.0625	0.0800	250.8605	0.1157
273.0445	0.0715	78.3025	0.0900	182.7525	0.0785	248.1255	0.1117
270.2685	0.0719	75.3725	0.0881	185.5925	0.0841	245.4115	0.1208
267.5545	0.0779	72.4325	0.0795	188.1025	0.0893	242.5945	0.1144
264.7175	0.0753	69.6725	0.0832	190.7175	0.0975	239.9015	0.1137
261.9825	0.0821	66.9025	0.0779	193.2275	0.0961	237.1685	0.1204
259.2275	0.0768	64.0425	0.0747	195.8805	0.1036	234.3285	0.1170
256.4725	0.0902	61.2225	0.1092	198.4695	0.0981	231.6355	0.1173
253.6155	0.0825	58.4325	0.0667	201.1255	0.0987	228.8405	0.1196
250.8605	0.0882	55.2825	0.0574	203.6355	0.0984	226.1255	0.1196
248.1255	0.0604	52.2225	0.0647	206.2485	0.1011	223.4115	0.1210
245.4115	0.0969	49.3625	0.0513	208.7585	0.1011	220.6765	0.1155
242.5945	0.0942	46.5125	0.0530	211.3295	0.1337	217.9425	0.1200
239.9015	0.0958	43.4425	0.0459	213.9015	0.1083	215.1465	0.1223
237.1685	0.1012	40.5925	0.0474	216.5735	0.1043	212.3495	0.1258
234.3285	0.0942	37.5325	0.0328	219.1455	0.0979	209.4725	0.1301
231.6355	0.0982	34.6725	0.0181	221.7985	0.1042	206.7765	0.1213
228.8405	0.0935	31.6125	0.0141	224.3905	0.0981	204.0225	0.1171
226.1255	0.0927	29.7725	0.0127	227.0445	0.0971	201.2885	0.1161
223.4115	0.0971	32.0225	0.0183	229.5745	0.0987	198.5335	0.1147
220.6765	0.0923	34.6725	0.0289	232.1665	0.1004	195.8195	0.1196
217.9425	0.0971	37.9425	0.0364	234.8195	0.0989	192.9315	0.1180
215.1465	0.0964	41.0025	0.0412	237.6145	0.0965	190.2885	0.1188
212.3495	0.0840	44.2625	0.0514	240.3495	0.0936	187.5325	0.1077
209.4725	0.0903	47.7325	0.0575	243.2075	0.1022	184.8625	0.1018
206.7765	0.0964	50.8025	0.0572	246.0645	0.1051	182.0825	0.0926
204.0225	0.0958	53.8625	0.0586	248.8195	0.0963	179.3925	0.1007
201.2885	0.0953	56.9425	0.0681	251.6365	0.0933	176.6125	0.0972
198.5335	0.0928	59.9825	0.0726	254.4925	0.0913	173.8425	0.1865
195.8195	0.0994	62.8025	0.0758	256.5535	0.0881	170.9425	0.1017
192.9815	0.0945	65.6925	0.0793	258.7375	0.0890	168.1825	0.0999
190.2885	0.0985	68.5925	0.0830	260.0645	0.0903	165.3325	0.1009
187.5325	0.0823	71.4425	0.0775	261.3095	0.0856	162.4125	0.0966
184.8625	0.0829	74.3225	0.0847	262.6155	0.0756	159.7425	0.1007
182.0825	0.0735	77.3025	0.0873	263.9825	0.0766	156.7225	0.0946
179.3925	0.0783	80.2025	0.0961	265.2885	0.0841	153.4925	0.1042
176.6125	0.0704	83.0425	0.0977	266.5955	0.0779	150.8075	0.0983
173.8425	0.1623	85.8125	0.0984	267.8605	0.0736	147.9625	0.1049
170.9425	0.0670	88.6525	0.1064	269.2065	0.0731	145.1825	0.1902
168.1825	0.0722	91.3925	0.1078	270.4925	0.0764	142.4125	0.0986
165.3325	0.0850	94.1425	0.1278	271.7785	0.0751	139.7125	0.1121
162.4125	0.0830	96.9325	0.0972	272.9825	0.0706	136.9925	0.1730
159.7425	0.0895	99.6925	0.0619	274.1295	0.0696	133.7725	0.1126
156.7225	0.0731	102.4125	0.0940	275.6765	0.0687	131.0425	0.1133
153.4925	0.0840	105.1225	0.0911	277.0035	0.0720	128.3225	0.1135
150.8025	0.0777	107.8225	0.0986	278.3095	0.0732	125.5525	0.1261
147.9625	0.0807	110.4325	0.0941	279.7317	0.0723	122.9525	0.1165
145.1825	0.0809	113.0825	0.0966	281.0807	0.0719	120.2725	0.1104
142.4125	0.0799	115.8025	0.0924	282.4709	0.0672	117.4525	0.1106
139.7125	0.0910	118.4925	0.0943	283.7974	0.0735	114.6725	0.1100
136.9925	0.1412	121.1425	0.0933	285.2850	0.0644	111.8725	0.1141
133.7725	0.0912	123.7325	0.1039	286.7339	0.0716	109.1825	0.1065
131.0425	0.0902	126.2625	0.1043	287.8052	0.0706	106.4325	0.1143
128.3225	0.0908	129.0425	0.0963	288.1198	0.0755	103.5725	0.1110
125.5525	0.1041	131.5725	0.0951			100.7725	0.0972
122.4525	0.0927	134.2325	0.0924	Scan 2, 59.6 psig		97.9425	0.1318
120.2725	0.0914	137.0825	0.1326	288.2320	0.1222	95.0425	0.1305
117.4525	0.0872	139.8625	0.0917	288.2320	0.1222	92.2225	0.1314
114.6725	0.0809	142.5125	0.0754	287.5156	0.0814	89.4525	0.1291
111.8725	0.0882	145.2425	0.0658	284.9297	0.0793	86.7525	0.1269
109.1825	0.0929	147.8225	0.0924	281.9972	0.0737	83.9625	0.1218
106.4325	0.0887	150.5525	0.0838	278.8891	0.0821	81.0625	0.1134
103.5725	0.0926	153.2025	0.0846	275.9215	0.0858	78.3025	0.1129
100.7725	0.0926	155.9825	0.0756	273.0445	0.0912	75.3725	0.1035
		158.8425	0.0775	270.2685	0.0901	72.4325	0.1015
		161.4925	0.0810			69.6725	0.1041

Reinforced Concrete Test Data

Track 4 - High Pressure Test

60.9025	0.0986	193.2275	0.1187	237.1655	0.1458	34.6725	0.0336
64.0425	0.0918	195.8805	0.1223	234.3285	0.1421	31.6125	0.0263
61.2225	0.1226	198.4695	0.1203	231.6355	0.1465	29.7775	0.0225
58.4325	0.0840	201.1255	0.1218	228.8405	0.1449	32.0225	0.0277
55.2825	0.0808	203.6355	0.1209	226.1255	0.1440	34.6725	0.0378
52.2225	0.0690	206.2485	0.1206	223.4115	0.1492	37.9425	0.0561
49.3625	0.0679	208.7585	0.1279	220.6765	0.1435	41.0025	0.0612
46.5125	0.0612	211.3295	0.1256	217.9425	0.1451	44.2625	0.0648
43.4425	0.0557	213.9015	0.1261	215.1465	0.1467	47.7325	0.0809
40.5925	0.0519	216.5735	0.1303	212.3495	0.1295	50.8025	0.0829
37.5325	0.0426	219.1455	0.1183	209.4725	0.1426	53.8625	0.0878
34.6725	0.0254	221.7985	0.1266	206.7765	0.1425	56.9425	0.0983
31.6125	0.0225	224.3905	0.1206	204.0225	0.1364	59.9825	0.1125
29.7725	0.0154	227.0445	0.1248	201.2885	0.1392	62.8025	0.1168
32.0225	0.0183	229.5745	0.1208	198.5335	0.1276	65.6925	0.1082
34.6725	0.0314	232.1665	0.1238	195.8195	0.1454	68.5925	0.1190
37.0425	0.0446	234.8195	0.1244	192.9815	0.1428	71.4425	0.1195
41.0025	0.0516	237.6145	0.1166	190.2885	0.1404	74.3225	0.1207
44.2625	0.0574	240.3495	0.1220	187.5325	0.1273	77.3025	0.1239
47.7325	0.0661	243.2075	0.1240	184.8625	0.1273	80.2025	0.1341
50.8025	0.0723	246.3645	0.1309	182.0825	0.1173	83.0425	0.1331
53.8625	0.0713	248.8195	0.1187	179.3925	0.1232	85.8125	0.1356
56.9425	0.0823	251.6365	0.1153	176.6125	0.1214	88.6525	0.1490
59.9825	0.0918	254.4925	0.1115	173.8425	0.1408	91.3925	0.1467
62.8025	0.0969	256.5545	0.1075	170.9425	0.1287	94.1425	0.1670
65.6925	0.0942	258.7375	0.1081	168.1825	0.1181	96.9325	0.1355
68.5925	0.1035	260.0645	0.1064	165.3325	0.1299	99.6925	0.1705
71.4425	0.0990	261.3095	0.1034	162.4125	0.1256	102.4125	0.1452
74.3225	0.1041	262.6155	0.0953	159.7425	0.1336	105.2225	0.1308
77.3025	0.1093	263.9825	0.0989	156.7225	0.1212	107.8225	0.1422
80.2025	0.1149	265.2885	0.1014	153.4925	0.1285	110.4325	0.1349
83.0425	0.1144	266.5955	0.0951	150.8025	0.1265	113.0825	0.1408
85.8125	0.1196	267.8605	0.0908	147.9625	0.1377	115.8025	0.1341
88.6525	0.1265	269.2065	0.0920	145.1825	0.1148	118.4925	0.1363
91.3925	0.1275	270.4925	0.0951	142.4125	0.1189	121.1425	0.1341
94.1425	0.1464	271.7785	0.0912	139.7125	0.1356	123.7325	0.1432
96.9425	0.1288	272.9625	0.0856	136.7925	0.1759	126.2625	0.1480
99.6925	0.1555	274.3295	0.0876	133.7725	0.1368	129.0425	0.1397
102.4125	0.1178	275.6765	0.0873	131.0425	0.1358	131.5725	0.1391
105.1225	0.1097	277.0035	0.0857	128.3225	0.1365	134.2325	0.1504
107.8225	0.1200	278.3095	0.0858	125.5525	0.1516	137.0825	0.1904
110.4725	0.1148	279.7317	0.0858	122.9525	0.1399	139.8625	0.1363
113.0825	0.1186	281.0807	0.0892	120.2725	0.1345	142.5125	0.1184
115.8025	0.1109	282.4709	0.0858	117.4525	0.1321	145.2425	0.1220
118.4925	0.1151	283.7974	0.0928	114.6725	0.1314	147.8225	0.1392
121.1425	0.1102	285.2850	0.1021	111.8725	0.1330	150.5525	0.1225
123.7325	0.1221	286.7339	0.0892	109.1825	0.1322	153.2025	0.1340
126.2625	0.1263	287.8052	0.0858	106.4325	0.1375	155.9825	0.1200
129.0425	0.1126	288.1198	0.1269	103.5725	0.1308	158.8425	0.1219
131.5725	0.1163			100.7725	0.1405	161.4925	0.1252
134.2325	0.1182	Scan 3, 693 psig		97.9425	0.1309	164.2725	0.1252
137.0825	0.1440			95.0425	0.1482	166.9425	0.1250
139.8625	0.1122	288.2320	0.0642	92.2225	0.1504	169.5325	0.1283
142.5125	0.0931	288.2320	0.0642	89.4525	0.1458	172.0825	0.1384
145.2425	0.0830	287.5156	0.0942	86.7525	0.1431	174.8025	0.1387
147.8225	0.1126	284.9297	0.1365	83.9625	0.1373	177.4725	0.1200
150.5525	0.1021	281.9972	0.0910	81.0625	0.1322	180.0625	0.1227
153.2025	0.1082	278.8891	0.0945	78.3025	0.1271	182.7525	0.1161
155.9825	0.0959	275.9215	0.1045	75.3725	0.1236	185.8925	0.1246
158.8425	0.0987	273.0445	0.1082	72.4325	0.1218	188.1025	0.1304
161.4925	0.1038	270.2685	0.1064	69.6725	0.1177	190.7175	0.1411
164.2725	0.1054	267.5545	0.1166	66.9025	0.1097	193.2275	0.1433
166.9425	0.0988	264.7175	0.1129	64.0425	0.1047	195.8805	0.1469
169.5325	0.1014	261.9825	0.1227	61.2225	0.1329	198.4695	0.1432
172.0825	0.1108	259.2275	0.1205	58.4325	0.0983	201.1255	0.1447
174.8025	0.1158	256.4725	0.1301	55.2825	0.0956	203.6355	0.1476
177.4725	0.1001	253.6155	0.1254	52.2225	0.0832	206.2485	0.1463
180.0625	0.0971	250.8605	0.1341	49.3625	0.0784	208.7585	0.1599
182.7525	0.0956	248.1255	0.1311	46.5125	0.0739	211.3295	0.1534
185.5925	0.1037	245.4115	0.1448	43.4425	0.0628	213.9015	0.1576
188.1025	0.1095	242.5945	0.1369	40.5925	0.0626	216.5735	0.1543
190.7175	0.1192	239.9015	0.1380	37.5325	0.0517	219.1455	0.1505

Track 4 - High Pressure Test

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Reinforced Concrete Test Data

Track 4 - High Pressure Test

173.8425	0.2258	91.3925	0.1832	270.4925	0.1551	139.7125	0.2188
170.9425	0.2070	94.1425	0.2055	271.7785	0.1494	136.7925	0.2518
168.1825	0.1912	96.9325	0.1767	272.9825	0.1415	133.7725	0.2222
165.3325	0.2018	99.6925	0.1984	274.3295	0.1437	131.0425	0.2198
162.4125	0.2003	102.4125	0.1764	275.6765	0.1438	128.3225	0.2179
159.7425	0.2102	105.1225	0.1770	277.0035	0.1401	125.5525	0.2291
156.7225	0.1978	107.8225	0.1860	278.3095	0.1364	122.9525	0.2108
153.4925	0.2075	110.4325	0.1841	279.7317	0.1398	120.2725	0.2078
150.8025	0.1990	113.0825	0.1898	281.0807	0.1424	117.4525	0.2014
147.9625	0.2117	115.8025	0.1909	282.4709	0.1479	114.6725	0.2022
145.1825	0.1954	118.4925	0.1885	283.7974	0.1532	111.8725	0.1972
142.4125	0.1888	121.1425	0.1895	285.2850	0.1445	109.1825	0.1993
139.7125	0.2027	123.7325	0.1990	286.7359	0.1279	106.4325	0.1950
136.7925	0.2665	126.2625	0.2060	287.8052	0.1346	103.5725	0.1877
133.7725	0.2027	129.0425	0.2061			100.7725	0.1668
131.0425	0.2025	131.5725	0.2023	Scan 6, 95.7 psig		97.9425	0.2190
128.3225	0.2014	134.2325	0.2121			95.0425	0.2051
125.5525	0.2143	137.6825	0.2447	288.2320	0.1054	92.2225	0.2038
122.9525	0.1964	139.8625	0.2005	288.2420	0.1054	89.4525	0.2019
120.2725	0.1908	142.5125	0.1867	287.5156	0.1312	86.7525	0.1924
117.4525	0.1832	145.7425	0.1961	284.9297	0.1805	83.9625	0.1860
114.6725	0.1878	147.8225	0.2149	281.9972	0.1496	81.0625	0.1816
111.8725	0.1815	150.5525	0.2011	278.8891	0.1429	78.3025	0.1762
109.1825	0.1797	153.2025	0.2064	275.9215	0.1511	75.3725	0.1643
106.4325	0.1784	155.9825	0.1950	272.0445	0.1597	72.4325	0.1652
103.5725	0.1726	158.8425	0.2084	270.2685	0.1651	69.6725	0.1628
100.7725	0.1780	161.4925	0.2038	267.5545	0.1764	66.9025	0.1520
97.9425	0.1769	164.2725	0.2046	264.7175	0.1741	64.0425	0.1423
95.0425	0.1804	166.9425	0.1970	261.9825	0.1840	61.2225	0.1665
92.2225	0.1844	169.6925	0.2044	259.2275	0.1839	58.4325	0.1328
89.4525	0.1866	172.0825	0.2166	256.4725	0.1904	55.2825	0.1279
86.7525	0.1758	174.8025	0.1812	253.6155	0.1944	52.2225	0.1153
83.9625	0.1731	177.4725	0.1905	250.8605	0.2029	49.3625	0.1068
81.0625	0.1658	180.6625	0.1917	248.1255	0.1935	46.5125	0.0979
78.3025	0.1626	182.7525	0.1830	245.4115	0.2237	43.4425	0.0907
75.3725	0.1555	185.5925	0.2006	242.5945	0.2187	40.5925	0.0881
72.4325	0.1464	188.1025	0.1994	239.9015	0.2173	37.5325	0.0739
69.6725	0.1454	190.7125	0.2085	237.1655	0.2215	34.6725	0.0562
66.9025	0.1374	192.2275	0.2123	234.3785	0.2207	31.6125	0.0506
64.0425	0.1296	195.8805	0.2109	231.6355	0.2280	29.7725	0.0267
61.2225	0.1446	198.4695	0.2149	228.8405	0.2291	32.0225	0.0546
58.4325	0.1393	201.1755	0.2096	226.1255	0.2244	34.6725	0.0667
55.2825	0.1111	203.6355	0.2113	223.4115	0.2216	37.9425	0.0895
52.2225	0.1107	206.2485	0.2109	220.6765	0.2209	41.0025	0.0931
49.3625	0.0998	208.7585	0.2262	217.9425	0.2242	44.2625	0.1001
46.5125	0.0872	211.3295	0.2254	215.1465	0.2253	47.7325	0.1092
43.4425	0.0850	213.9015	0.2116	212.3495	0.2388	50.8025	0.1163
40.5925	0.0797	216.5735	0.2194	209.4725	0.2280	53.8625	0.1221
37.5325	0.0731	219.1455	0.2096	206.7765	0.2257	56.9425	0.1361
34.6725	0.0559	221.7985	0.2148	204.0225	0.2246	59.9825	0.1422
31.6125	0.0463	224.3905	0.2110	201.2885	0.2194	62.8025	0.1476
29.7725	0.0422	227.0445	0.2110	198.5335	0.2210	65.6925	0.1508
32.0225	0.0516	229.5745	0.2101	195.8195	0.2260	68.5925	0.1625
34.6725	0.0612	232.1665	0.2118	192.9815	0.2264	71.4425	0.1598
37.9425	0.0812	234.6725	0.2064	190.2885	0.2281	74.3225	0.1657
41.0025	0.0881	237.6145	0.2017	187.5225	0.2205	77.3025	0.1744
44.2625	0.0956	240.3495	0.1998	184.8625	0.2145	80.2025	0.1824
47.7325	0.1017	243.2075	0.2041	182.0825	0.2052	83.0425	0.1870
50.8025	0.1133	246.0645	0.2123	179.3925	0.2135	85.8125	0.1873
53.8625	0.1111	248.8195	0.1922	176.6125	0.2037	88.6525	0.1982
56.9425	0.1253	251.6365	0.1878	173.8425	0.2895	91.3925	0.1983
59.9825	0.1308	254.4925	0.1841	170.9425	0.2243	94.1425	0.2166
62.8025	0.1447	256.5535	0.1867	168.1825	0.2124	96.9325	0.2114
65.6925	0.1353	258.7375	0.1725	165.3325	0.2168	99.6925	0.1809
68.5925	0.1477	260.0645	0.1722	162.4125	0.2193	102.4125	0.1953
71.4425	0.1518	261.3095	0.1762	159.7425	0.2235	105.1225	0.1920
74.3225	0.1496	262.6155	0.1681	156.7225	0.2165	107.8225	0.2044
77.3025	0.1582	263.9825	0.1628	153.4925	0.2286	110.4325	0.1982
80.2025	0.1657	265.2885	0.1642	150.8025	0.2152	113.0825	0.2055
83.0425	0.1688	266.5955	0.1614	147.9625	0.2247	115.8025	0.2066
85.8125	0.1724	267.8605	0.1568	145.1825	0.2076	118.4925	0.2090
88.6525	0.1805	269.2065	0.1570	142.4125	0.2064	121.1425	0.2064

Reinforced Concrete Test Data

Track 4 - High Pressure Test

123.7325	0.2190	286.7349	0.1378	109.1825	0.2152	153.2025	0.2448
126.2625	0.2209	287.3052	0.1350	106.4325	0.2148	155.9825	0.2358
129.0425	0.2243			103.5725	0.2090	158.8425	0.2456
131.5725	0.2249			100.7725	0.2121	161.4925	0.2457
134.2325	0.2391	Scan 7, 100.9 psig		97.9425	0.2149	164.2725	0.2395
137.0825	0.2492			95.0425	0.2260	166.9425	0.2343
139.8625	0.2200	288.2320	0.3178	92.2225	0.2222	169.5325	0.2405
142.5125	0.2021	288.2320	0.3178	89.4525	0.2208	172.0825	0.2598
145.2425	0.2017	287.5156	0.1389	86.7525	0.2088	174.8025	0.2299
147.8225	0.2300	284.9297	0.1910	83.9625	0.2055	177.4725	0.2311
150.5525	0.2164	281.9972	0.1590	81.0625	0.1952	180.0625	0.2377
153.2025	0.2259	278.8891	0.1542	78.3025	0.1944	182.7525	0.2285
155.9825	0.2131	275.9215	0.1610	75.3725	0.1853	185.5925	0.2427
158.8425	0.2200	273.0445	0.1748	72.4325	0.1763	188.1025	0.2455
161.4925	0.2197	270.2685	0.1803	69.6725	0.1737	190.7175	0.2492
164.2725	0.2118	267.5545	0.1863	66.9025	0.1646	193.2275	0.2503
166.9425	0.2115	264.7175	0.1907	64.0425	0.1542	195.8805	0.2489
169.5325	0.2145	261.9825	0.2009	61.2225	0.1663	198.4605	0.2445
172.0825	0.2309	259.2275	0.1980	58.4225	0.1441	201.1255	0.2434
174.8025	0.2250	256.4725	0.2124	55.2825	0.1331	203.6355	0.2434
177.4725	0.2143	253.6155	0.2101	52.2225	0.1301	206.2485	0.2500
180.0625	0.2131	250.8605	0.2206	49.3625	0.1138	208.7585	0.2570
182.7525	0.2071	248.1255	0.2158	46.5125	0.1036	211.3295	0.2626
185.5925	0.2195	245.4115	0.2437	43.4425	0.0968	213.9015	0.2538
188.1025	0.2223	242.5945	0.2344	40.5925	0.0948	216.5735	0.2588
190.7175	0.2291	239.9015	0.2350	37.5325	0.0786	219.1455	0.2508
193.2275	0.2320	237.1655	0.2430	34.6725	0.0573	221.7985	0.2535
195.8805	0.2247	234.3285	0.2420	31.6125	0.0526	224.3905	0.2521
198.4695	0.2276	231.6355	0.2492	29.7725	0.0520	227.0415	0.2507
201.1255	0.2251	228.8405	0.2489	32.0225	0.0509	229.5745	0.2475
203.6355	0.2276	226.1255	0.2449	34.6725	0.0684	232.1665	0.2507
206.2485	0.2306	223.4115	0.2513	37.9425	0.0945	234.8195	0.2427
208.7585	0.2377	220.6765	0.2434	41.0025	0.0957	237.6145	0.2402
211.3295	0.2265	217.9425	0.2495	44.2625	0.1073	240.3495	0.2365
213.9015	0.2363	215.1465	0.2480	47.7325	0.1171	243.2075	0.2409
216.5735	0.2358	212.3495	0.2620	50.8025	0.1257	246.0645	0.2491
219.1455	0.2332	209.4725	0.2507	53.8625	0.1308	248.8195	0.2292
221.7985	0.2342	206.7765	0.2481	56.9425	0.1460	251.6365	0.2243
224.3905	0.2331	204.0225	0.2428	59.9825	0.1548	254.4925	0.2196
227.0445	0.2302	201.2885	0.2397	62.8025	0.1582	256.5435	0.2152
229.5745	0.2307	198.5335	0.2439	65.6925	0.1664	258.7375	0.2074
232.1665	0.2308	195.8195	0.2455	68.5925	0.1732	260.0645	0.2033
234.8195	0.2215	192.9815	0.2476	71.4425	0.1763	261.3095	0.2015
237.6145	0.22.9	190.2885	0.2495	74.3225	0.1773	262.6155	0.1956
240.3495	0.216.	187.5325	0.2429	77.3025	0.1862	263.9825	0.1962
243.2075	0.2226	184.8625	0.2375	80.2025	0.1969	265.2885	0.1935
246.0645	0.2284	182.0825	0.2290	83.0425	0.2005	266.5955	0.1857
248.8195	0.2081	179.3925	0.2375	85.8125	0.2013	267.8605	0.1810
251.6365	0.2036	176.6125	0.2315	88.6525	0.2134	269.2065	0.1836
254.4925	0.2005	173.8425	0.2676	91.3925	0.2163	270.4925	0.1841
256.5535	0.1975	170.9425	0.2444	94.1425	0.2322	271.7785	0.1771
258.7375	0.1926	168.1825	0.2306	96.9325	0.2172	272.9825	0.1689
260.0645	0.1860	165.3325	0.2346	99.6925	0.1866	274.3295	0.1663
261.3095	0.1840	162.4125	0.2369	102.4125	0.2106	275.6765	0.1669
262.6155	0.1806	159.7425	0.2434	105.1225	0.2121	277.0035	0.1661
263.9825	0.1788	156.7725	0.2349	107.8225	0.2241	278.3095	0.1620
265.5885	0.1771	153.4925	0.2442	110.4325	0.2207	279.7317	0.1643
266.5955	0.1747	150.8025	0.2361	113.0825	0.2259	281.0807	0.1681
267.8605	0.1701	147.9625	0.2527	115.8025	0.2256	282.4709	0.1737
269.2065	0.1688	145.1825	0.2266	118.4925	0.2282	283.7974	0.1790
270.4925	0.1684	142.4125	0.2307	121.1425	0.2295	285.2850	0.1491
271.7785	0.1650	139.7125	0.2396	123.7325	0.2376	286.7339	0.1489
272.9825	0.1582	136.7925	0.2947	126.2625	0.2405	287.8052	0.1449
274.3295	0.15.7	133.7725	0.2434	129.0425	0.2419		
275.6765	0.1524	131.0425	0.2421	131.5725	0.2447		
277.0035	0.1518	128.3225	0.2401	134.2325	0.2530	Scan 8, 108.3 psig	
278.3095	0.1512	125.5525	0.2475	137.0825	0.2721	288.2320	0.5311
279.7317	0.1489	122.9525	0.2348	139.8625	0.2362	288.2320	0.5311
281.0807	0.1547	120.2725	0.2257	142.5125	0.2221	287.5156	0.1585
282.4709	0.1606	117.4525	0.2230	145.2425	0.2362	284.9297	0.2175
283.7974	0.1657	114.6725	0.2220	147.8225	0.2552	281.9972	0.1826
285.2850	0.1615	111.8725	0.2164	150.5525	0.2383		

Reinforced Concrete Test Data

Track 4 - High Pressure Test

278.8891	0.1778	78.3025	0.2178	182.7525	0.2711	248.1255	0.2750
275.9215	0.1873	75.3725	0.2060	185.5925	0.2774	245.4115	0.2974
273.0445	0.1978	72.4325	0.2018	188.1025	0.2827	242.5945	0.2915
270.2685	0.2040	69.6725	0.1949	190.7175	0.2841	239.9015	0.2965
267.5545	0.2120	66.9025	0.1838	193.2275	0.2838	237.1655	0.3050
264.7175	0.2163	64.0425	0.1707	195.8805	0.2859	234.3285	0.3017
261.9825	0.2289	61.2225	0.1765	198.4695	0.2811	231.6355	0.3094
259.2275	0.2284	58.4325	0.1631	201.1255	0.2816	228.8405	0.3086
256.4725	0.2429	55.2825	0.1539	203.6255	0.2790	226.1255	0.3080
253.6155	0.2419	52.2225	0.1427	206.2485	0.2830	223.4115	0.3127
250.8605	0.2529	49.3625	0.1270	208.7585	0.2935	220.6765	0.3074
248.1255	0.2506	46.5125	0.1184	211.2595	0.2882	217.9425	0.3144
245.4115	0.2723	43.4425	0.1036	213.9015	0.2901	215.1465	0.3107
242.5945	0.2682	40.5925	0.1016	216.5735	0.2864	212.3495	0.3262
239.9315	0.2680	37.5325	0.0895	219.1455	0.2855	209.4725	0.3175
237.1655	0.2799	34.6725	0.0651	221.7985	0.2865	206.7765	0.3128
234.3285	0.2749	31.6125	0.0551	224.3905	0.2845	204.0225	0.3024
231.6355	0.2806	29.7725	0.0378	227.0445	0.2855	201.2885	0.3030
228.8405	0.2807	32.0225	0.0581	229.5745	0.2808	198.5335	0.3049
226.1255	0.2849	34.6725	0.0736	232.1665	0.2841	195.8195	0.3108
223.4115	0.2883	37.9425	0.0959	234.8195	0.2792	192.9815	0.3145
220.6765	0.2781	41.0025	0.1048	237.6145	0.2729	190.2885	0.3121
217.9425	0.2789	44.2625	0.1162	240.3495	0.2713	187.5325	0.3105
215.1465	0.2817	47.7325	0.1265	243.2075	0.2740	184.8625	0.3092
212.3495	0.2724	50.8025	0.1387	246.0645	0.2805	182.0825	0.3012
209.4725	0.2900	53.8625	0.1463	248.8195	0.2629	179.3925	0.3097
206.7765	0.2838	56.9425	0.1641	251.6365	0.2534	176.6125	0.2990
204.0225	0.2769	59.9825	0.1635	254.4925	0.2486	173.8425	0.3815
201.2885	0.2768	62.8025	0.1656	256.5535	0.2449	170.9425	0.3119
198.5335	0.2771	65.6925	0.1818	258.7375	0.2351	168.1625	0.3021
195.8195	0.2834	68.5925	0.1940	260.0635	0.2337	165.3325	0.2989
192.9815	0.2819	71.4425	0.1964	261.3095	0.2317	162.4125	0.3012
190.2885	0.2829	74.3225	0.2034	262.6155	0.2197	159.7425	0.3078
187.5325	0.2801	77.7025	0.2109	263.9825	0.2185	156.7225	0.2987
184.8625	0.2761	80.7025	0.2211	265.2885	0.2198	153.4925	0.3079
182.0825	0.2689	83.0425	0.2240	266.5955	0.2138	150.8025	0.2942
179.3925	0.2756	85.8125	0.2265	267.8805	0.2049	147.9625	0.3136
176.6125	0.2655	88.6525	0.2391	269.2065	0.2037	145.1825	0.2891
173.8125	0.2943	91.3925	0.2420	270.4925	0.2077	142.4125	0.2861
170.9425	0.2790	94.1425	0.2581	271.7735	0.2012	139.7125	0.2980
168.1825	0.2620	96.9325	0.2482	272.9825	0.1915	136.7925	0.3448
165.3325	0.2672	99.6925	0.2170	274.3295	0.1888	133.7725	0.3042
162.4125	0.2705	102.4125	0.2390	275.6765	0.1877	131.0425	0.3022
159.7425	0.2830	105.1225	0.2416	277.0035	0.1898	128.3325	0.3004
156.7225	0.2723	107.8225	0.2522	278.3095	0.1857	125.5525	0.3041
153.4925	0.2773	110.4325	0.2502	279.7317	0.1862	122.9525	0.2910
150.8025	0.2717	113.0825	0.2563	281.0807	0.1892	120.2725	0.2861
147.9625	0.2841	115.8025	0.2583	282.4709	0.1907	117.4525	0.2803
145.1825	0.2691	118.4925	0.2570	283.7974	0.2054	114.6725	0.2791
142.4125	0.2588	121.1425	0.2576	285.2650	0.1729	111.8725	0.2703
139.7125	0.2703	123.7325	0.2690	286.7339	0.1696	109.1825	0.2708
136.7925	0.3138	126.2625	0.2737	287.8052	0.1452	106.4325	0.2713
133.7725	0.2742	129.0425	0.2765			103.5725	0.2647
131.0425	0.2783	131.5725	0.2775			100.7725	0.2384
128.3325	0.2723	134.2325	0.2890			97.9425	0.2819
125.5525	0.2799	137.0825	0.3226			95.0425	0.2769
122.9525	0.2618	139.8625	0.2684			92.2225	0.2712
120.2725	0.2600	142.5125	0.2588			89.4525	0.2668
117.4525	0.2530	145.2425	0.2581			86.7525	0.2566
114.6725	0.2517	147.8325	0.2913			83.9625	0.2504
111.8725	0.2457	150.5525	0.2707			81.0625	0.2422
109.1825	0.2481	153.2025	0.2789			78.3025	0.2373
106.4325	0.2454	155.9825	0.2632			75.3725	0.2192
103.5725	0.2415	158.8425	0.2742			72.4325	0.2165
100.7725	0.2344	161.4925	0.2789			69.6725	0.2115
97.9425	0.2524	164.2725	0.2689			66.9025	0.1982
95.0425	0.2559	166.9425	0.2676			64.0425	0.1864
92.2225	0.2511	169.5325	0.2721			61.2225	0.2044
89.4525	0.2475	172.0825	0.1850			58.4325	0.1779
86.7525	0.2338	174.8025	0.2651			55.2825	0.1622
83.9625	0.2292	177.4725	0.2723			52.2225	0.1519
81.0625	0.2223	180.0625	0.2762			49.3625	0.1341

Scan 9, 113.2 psig

Reinforced Concrete Test Data

Track 4 - High Pressure Test

46.5125	0.1273	211.3295	0.3177	217.9425	0.3466	44.2625	0.1290
43.4425	0.1131	213.9015	0.3150	215.1465	0.3407	47.7325	0.1431
40.5925	0.1094	216.5735	0.3145	212.3495	0.3217	50.8025	0.1553
37.5325	0.0883	219.1455	0.3102	209.4725	0.3575	53.8625	0.1695
34.6725	0.0662	221.7985	0.3149	206.7765	0.3474	56.9425	0.1871
31.6125	0.0582	224.3905	0.3115	204.0225	0.3369	59.9825	0.2005
29.7725	0.0391	227.0445	0.3146	201.2885	0.3377	62.8025	0.2070
32.0225	0.0655	229.5745	0.3108	198.5335	0.3418	65.6925	0.2115
34.6725	0.0802	232.1665	0.3121	195.8195	0.3485	68.5925	0.2277
37.9425	0.1053	234.8195	0.3086	192.9815	0.3501	71.4425	0.2284
41.0025	0.1119	237.6145	0.2992	190.2885	0.3488	74.3225	0.2393
44.2625	0.1229	240.3495	0.2995	187.5325	0.3466	77.3025	0.2447
47.7325	0.1377	243.2075	0.3007	184.8625	0.3446	80.2025	0.2593
50.8025	0.1491	246.0645	0.3077	182.0825	0.3379	83.0425	0.2657
53.8625	0.1547	248.8195	0.2834	179.3925	0.3397	85.8125	0.2706
56.9425	0.1729	251.6365	0.2789	176.6125	0.3362	88.6525	0.2831
59.9825	0.1844	254.4925	0.2714	173.8425	0.3704	91.3925	0.2871
62.8025	0.1980	256.5535	0.2668	170.9425	0.3460	94.1425	0.3166
65.6925	0.1973	258.7375	0.2593	168.1825	0.3258	96.9325	0.2981
68.5925	0.2094	260.0645	0.2522	165.3325	0.3287	99.6925	0.3240
71.4425	0.2127	261.3095	0.2498	162.4125	0.3354	102.4125	0.2952
74.3225	0.2187	262.6155	0.2436	159.7425	0.3454	105.1225	0.2926
77.3025	0.2259	263.9825	0.2392	156.7225	0.3368	107.8225	0.3081
80.2025	0.2407	265.2885	0.2383	153.4925	0.3400	110.4325	0.3086
83.0425	0.2461	266.5955	0.2346	150.8025	0.3307	113.0525	0.3107
85.8125	0.2494	267.8605	0.2264	147.9625	0.3417	115.8025	0.3115
88.6525	0.2579	269.2065	0.2226	145.1825	0.3225	118.4925	0.3183
91.3925	0.2653	270.4925	0.2234	142.4125	0.3190	121.1425	0.3144
94.1425	0.2830	271.7785	0.2188	139.7125	0.3268	123.7325	0.3262
96.9325	0.2840	272.9825	0.2137	136.7925	0.3731	126.2625	0.3327
99.6925	0.2224	274.3295	0.2093	133.7725	0.3356	129.0425	0.3308
102.4125	0.2623	275.6765	0.2056	131.0425	0.3354	131.5725	0.3385
105.1225	0.2658	277.0035	0.2042	128.3225	0.3279	134.2325	0.3506
107.8225	0.2794	278.3095	0.2034	125.5525	0.3367	137.0825	0.3588
110.4325	0.2762	279.7317	0.2017	122.9525	0.3215	139.8625	0.3247
113.0825	0.2828	281.0807	0.2072	120.2725	0.3148	142.5125	0.3134
115.8025	0.2829	282.4709	0.2142	117.4525	0.3096	145.2425	0.3251
118.4925	0.2878	283.7974	0.2239	114.6725	0.3087	147.8225	0.3441
121.1425	0.2804	285.2850	0.2219	111.8725	0.3030	150.5525	0.3339
123.7325	0.2949	286.7339	0.1844	109.1825	0.3012	153.2025	0.3391
126.2625	0.3006	287.8052	0.2200	106.4325	0.3003	155.9825	0.3301
129.0425	0.3047			103.5325	0.2898	158.8425	0.3417
131.5725	0.3042			100.7725	0.2628	161.4925	0.3386
134.2325	0.3172	Scan 10, 117.8 psig		97.9425	0.3117	164.2725	0.3341
137.0825	0.3545			95.0425	0.2989	166.9425	0.3266
139.8625	0.2932	288.2370	0.1828	92.2225	0.2983	169.5325	0.3385
142.5125	0.2871	288.2320	0.1828	89.4525	0.2905	172.0825	0.3638
145.2425	0.2822	287.5156	0.1836	86.7525	0.2810	174.8025	0.3357
147.8225	0.3182	284.9297	0.2409	83.9625	0.2739	177.4725	0.3409
150.5525	0.2992	281.9972	0.2082	81.0625	0.2636	180.0625	0.3417
153.2025	0.3029	278.8891	0.2093	78.3025	0.2584	182.7525	0.3412
155.9825	0.2923	275.9215	0.2226	75.3725	0.2382	185.5925	0.3464
158.8425	0.3012	273.0445	0.2334	72.4325	0.2337	188.1025	0.3497
161.4925	0.3086	270.2685	0.2420	69.6725	0.2298	190.7175	0.3518
164.2725	0.2962	267.5545	0.2517	66.9025	0.2152	193.2275	0.3480
166.9425	0.2934	264.7175	0.2571	64.0425	0.2035	195.8805	0.3528
169.5325	0.3051	261.9825	0.2716	61.2225	0.1960	198.4695	0.3442
172.0825	0.3199	259.2275	0.2724	58.4325	0.1890	201.1255	0.3465
174.8025	0.3034	256.4725	0.2910	55.2825	0.1780	203.6355	0.3446
177.4725	0.3032	253.6155	0.2900	52.2225	0.1613	206.2485	0.3446
180.0625	0.3072	250.8605	0.3031	49.3625	0.1453	208.7585	0.3589
182.7525	0.3053	248.1255	0.3024	46.5125	0.1358	211.3295	0.3456
185.5925	0.3091	245.4115	0.3297	43.4425	0.1210	213.9015	0.3499
188.1025	0.3160	242.5945	0.3239	40.5925	0.1114	216.5735	0.3449
190.7175	0.3150	239.9015	0.3265	37.5325	0.0981	219.1455	0.3440
193.2275	0.3138	237.1655	0.3333	34.6725	0.0746	221.7985	0.3460
195.8805	0.3192	234.3285	0.3350	31.6125	0.0618	224.3905	0.3440
198.4695	0.3109	231.6355	0.3409	29.7725	0.0506	227.0445	0.3446
201.1255	0.3137	228.8405	0.3390	32.0225	0.0628	229.5745	0.3423
203.6355	0.3081	226.1255	0.3426	34.6725	0.0822	232.1665	0.3438
206.2485	0.3135	223.4115	0.3465	37.9425	0.1061	234.8195	0.3368
208.7585	0.3208	220.6765	0.3497	41.0025	0.1152	237.6145	0.3282

Reinforced Concrete Test Data

Track 4 - High Pressure Test

240.3495	0.3287	187.5325	0.3748	77.3025	0.2621	263.9825	0.2725
243.2075	0.3274	184.8625	0.3772	80.2025	0.2733	265.2885	0.2760
246.0645	0.3373	182.0825	0.3704	83.0425	0.2799	266.5955	0.2700
248.8195	0.3099	179.3925	0.3691	85.8125	0.2886	267.8605	0.2600
251.6365	0.3042	176.6125	0.3641	88.6525	0.3023	269.2065	0.2572
254.4925	0.2939	173.8425	0.4449	91.3925	0.3058	270.4925	0.2558
256.5535	0.2875	170.9425	0.3760	94.1425	0.3305	271.7785	0.2518
258.7375	0.2811	168.1825	0.3596	96.9325	0.3293	272.9825	0.2440
260.0645	0.2749	165.3325	0.3615	99.6925	0.2770	274.3295	0.2377
261.3025	0.2731	162.4125	0.3641	102.4125	0.3144	275.6765	0.2339
262.6155	0.2627	159.7425	0.3675	105.1225	0.3181	277.0035	0.2345
263.9825	0.2574	156.7225	0.3597	107.8225	0.3318	278.3095	0.2314
265.2885	0.2585	153.4925	0.3645	110.4325	0.3273	279.7317	0.2341
266.5955	0.2552	150.8025	0.3575	113.0825	0.3372	281.0807	0.2307
267.8605	0.2453	147.9625	0.3742	115.8025	0.3365	282.4709	0.2357
269.2065	0.2398	145.1825	0.3509	118.4925	0.3393	283.7974	0.2516
270.4925	0.2405	142.4125	0.3476	121.1425	0.3395	285.2850	0.2488
271.7785	0.2368	139.7125	0.3571	123.7325	0.3490	286.7339	0.2085
272.9825	0.2279	136.7925	0.4205	126.2625	0.3573	287.8052	0.1841
274.3295	0.2224	133.7725	0.3627	129.0425	0.3611		
275.6765	0.2207	131.0425	0.3622	131.5725	0.3653	Scan 12, 125.8 psig	
277.0035	0.2201	128.3225	0.3571	134.2325	0.3763	288.2320	0.1965
278.3095	0.2166	125.5525	0.3623	137.0825	0.4131	288.2320	0.1965
279.7317	0.2156	122.9525	0.3425	139.8625	0.3512	287.5156	0.2166
281.0807	0.2199	120.2725	0.3400	142.5125	0.3403	284.9297	0.2892
282.4709	0.2246	117.4525	0.3349	145.2425	0.3425	281.9972	0.2487
283.7974	0.2374	114.6725	0.3316	147.8225	0.3817	278.8891	0.2514
285.2850	0.2060	111.8725	0.3265	150.5525	0.3622	275.9215	0.2657
286.7339	0.2011	109.1825	0.3193	153.2025	0.3635	273.0445	0.2813
287.8052	0.1839	106.4325	0.3245	155.9825	0.3526	270.2685	0.2908
		103.5725	0.3164	158.8425	0.3679	267.5545	0.3043
		100.7725	0.3115	161.4925	0.3684	264.7175	0.3134
Scan 11, 120.9 psig		97.9425	0.3242	164.2725	0.3586	261.9825	0.3334
288.2320	0.2845	95.0425	0.3243	166.9425	0.3530	259.2275	0.3363
289.2320	0.2845	92.2225	0.3163	169.5325	0.3606	256.4725	0.3588
287.5156	0.1962	89.4525	0.3121	172.0825	0.3913	253.6155	0.3617
284.9297	0.2583	86.7525	0.2982	174.8025	0.3639	250.8605	0.3802
281.9972	0.2232	83.9625	0.2915	177.4725	0.3665	248.1255	0.3863
278.8891	0.2261	81.0625	0.2841	180.0625	0.3745	245.4115	0.4131
275.9215	0.2364	78.3025	0.2729	182.7525	0.3686	242.5945	0.4095
273.0445	0.2488	75.3725	0.2567	185.5925	0.3774	239.9015	0.4168
270.2685	0.2538	72.4325	0.2525	188.1025	0.3760	237.1655	0.4270
267.5545	0.2665	69.6725	0.2441	190.7175	0.3769	234.3285	0.4313
264.7175	0.2723	66.9025	0.2300	193.2275	0.3772	231.6355	0.4441
261.9825	0.2858	64.0425	0.2131	195.8805	0.3769	228.8405	0.4451
259.2275	0.2915	61.2225	0.2355	198.4695	0.3727	226.1255	0.4519
256.4725	0.3097	58.4325	0.1982	201.1255	0.3723	223.4115	0.4532
253.6155	0.3135	55.2825	0.1847	203.6355	0.3703	220.6765	0.4461
250.8605	0.3217	52.2225	0.1774	206.2485	0.3753	217.9425	0.4498
248.1255	0.3247	49.3625	0.1519	208.7585	0.3843	215.1465	0.4538
245.4115	0.3511	46.5125	0.1404	211.3295	0.3655	212.3495	0.4593
242.5945	0.3460	43.4425	0.1252	213.9015	0.3771	209.4725	0.4704
239.9015	0.3467	40.5925	0.1163	216.5735	0.3792	206.7765	0.4590
237.1655	0.3591	37.5375	0.0998	219.1455	0.3699	204.0225	0.4537
234.3285	0.3623	34.6725	0.0769	221.7985	0.3778	201.2885	0.4558
231.6355	0.3693	31.6125	0.0625	224.3905	0.3703	198.5335	0.4562
228.8405	0.3667	29.7725	0.0492	227.0445	0.3767	195.8195	0.4665
226.1255	0.3693	32.0225	0.0686	229.5745	0.3699	192.9815	0.4655
223.4115	0.3720	34.6725	0.0901	232.1665	0.3767	190.2885	0.4702
220.6765	0.3645	37.9425	0.1112	234.8195	0.3609	187.5325	0.4673
217.9425	0.3699	41.0025	0.1206	237.6145	0.3552	184.8625	0.4680
215.1465	0.3713	44.2625	0.1349	240.3495	0.3497	182.0825	0.4577
212.3495	0.3768	47.7325	0.1523	243.2075	0.3474	179.3925	0.4663
209.4725	0.3829	50.8025	0.1631	246.0645	0.3602	176.6125	0.4561
206.7765	0.3717	53.8625	0.1730	248.8195	0.3287	173.8425	0.5308
204.0225	0.3662	56.9425	0.1948	251.6365	0.3212	170.9425	0.4748
201.2885	0.3683	59.9825	0.2110	254.4925	0.3149	168.1825	0.4456
198.5335	0.3684	62.8025	0.2235	256.5535	0.3089	165.3325	0.4519
195.8195	0.3753	65.6925	0.2240	258.7375	0.2956	162.4125	0.4502
192.9815	0.3761	68.5925	0.2404	260.0645	0.2925	159.7425	0.4640
190.2885	0.3784	71.4425	0.2437	261.3095	0.2912	156.7225	0.4536
		74.3225	0.2532	262.6155	0.2785		

Reinforced Concrete Test Data

Track 4 - High Pressure Test

153.4925	0.4550	110.4325	0.4054	279.7317	0.2607	122.9525	0.5300
150.8025	0.4490	113.0825	0.4127	281.0807	0.2586	120.2725	0.5260
147.9625	0.4606	115.8025	0.4131	282.4709	0.2640	117.4525	0.5137
145.1825	0.4456	118.4925	0.4192	283.7974	0.2714	114.6725	0.5095
142.4125	0.4307	121.1425	0.4172	285.2850	0.2500	111.8725	0.4990
139.7125	0.4409	123.7325	0.4317	286.7339	0.2298	109.1825	0.4911
136.7925	0.4695	126.2625	0.4388	287.8052	0.2261	106.4325	0.4862
133.7725	0.4504	129.0425	0.4446			103.5725	0.4685
131.0425	0.4483	131.5725	0.4503			100.7725	0.4338
128.3225	0.4366	134.2325	0.4636	Scan 13, 130.2 psig		97.9425	0.4674
125.5525	0.4470	137.0825	0.4782	288.2320	0.1606	95.0425	0.4665
122.9525	0.4293	139.8625	0.4340	288.2320	0.1606	92.2225	0.4588
120.2725	0.4240	142.5125	0.4202	287.5156	0.2391	89.4525	0.4423
117.4525	0.4151	145.2425	0.4262	284.9297	0.3165	86.7525	0.4289
114.6725	0.4089	147.8225	0.4659	281.9972	0.2848	83.9625	0.4116
111.8725	0.4072	150.5525	0.4495	278.8891	0.2869	81.0625	0.3982
109.1825	0.3987	153.2025	0.4561	275.9215	0.3013	78.3025	0.3873
106.4325	0.3968	155.9825	0.4468	273.0445	0.3194	75.3725	0.3568
103.5725	0.3811	158.8425	0.4620	270.2685	0.3313	72.4325	0.3441
100.7725	0.3517	161.4925	0.4539	267.5545	0.3510	69.6725	0.3306
97.9425	0.4019	164.2725	0.4492	264.7175	0.3631	66.9025	0.3094
95.0425	0.3894	166.9425	0.4440	261.9825	0.3862	64.0425	0.2847
92.2225	0.3795	169.5325	0.4618	259.2275	0.3970	61.2225	0.2946
89.4525	0.3667	172.0825	0.4875	256.4725	0.4240	58.4325	0.2643
86.7525	0.3572	174.8025	0.4413	253.6155	0.4318	55.2825	0.2444
83.9625	0.3475	177.4725	0.4624	250.8605	0.4513	52.2225	0.2252
81.0625	0.3362	180.0625	0.4637	248.1255	0.4572	49.3625	0.2010
78.3025	0.3277	182.7525	0.4594	245.4115	0.4983	46.5125	0.1777
75.3725	0.3075	185.5925	0.4701	242.5945	0.4975	43.4425	0.1616
72.4325	0.2932	188.1025	0.4658	239.9015	0.5064	40.5925	0.1451
69.6725	0.2822	190.7175	0.4710	237.1655	0.5274	37.5325	0.1233
66.9025	0.2675	193.2275	0.4655	234.3285	0.5340	34.6725	0.0959
64.0425	0.2513	195.8805	0.4677	231.6355	0.5457	31.6125	0.0799
61.2225	0.2729	198.4695	0.4615	228.8405	0.5560	29.7725	0.0583
58.4325	0.2306	201.1255	0.4612	226.1255	0.5620	32.0225	0.0829
55.2825	0.2093	203.6355	0.4592	223.4115	0.5691	34.6725	0.1033
52.2225	0.1992	206.2485	0.4581	220.6765	0.5647	37.9425	0.1360
49.3625	0.1762	208.7585	0.4722	217.9425	0.5695	41.0025	0.1465
46.5125	0.1590	211.3295	0.4551	215.1465	0.5738	44.2625	0.1689
43.4425	0.1416	213.9015	0.4600	212.3495	0.5845	47.7325	0.1941
40.5925	0.1316	216.5735	0.4613	209.4725	0.5869	50.8025	0.2134
37.5325	0.1144	219.1455	0.4501	206.7765	0.5778	53.8625	0.2305
34.6725	0.0859	221.7985	0.4568	204.0225	0.5759	56.9425	0.2558
31.6125	0.0697	224.3905	0.4511	201.2885	0.5760	59.9825	0.2728
29.7725	0.0549	227.0445	0.4538	198.5335	0.5787	62.8025	0.2828
32.0225	0.0745	229.5745	0.4488	195.8195	0.5893	65.6925	0.2991
34.6725	0.0946	232.1665	0.4523	192.9815	0.5898	68.5925	0.3253
37.9425	0.1231	234.8195	0.4387	190.2885	0.5940	71.4425	0.3336
41.0025	0.1302	237.6145	0.4219	187.5325	0.5910	74.3225	0.3469
44.2625	0.1521	240.3495	0.4177	184.8625	0.5965	77.3025	0.3648
47.7325	0.1742	243.2075	0.4145	182.0825	0.5880	80.2025	0.3826
50.8025	0.1851	246.0645	0.4214	179.3925	0.5921	83.0425	0.3965
53.8625	0.2034	248.8195	0.3858	176.6125	0.5870	85.8125	0.4115
56.9425	0.2291	251.6365	0.3731	173.8425	0.6287	88.6525	0.4318
59.9825	0.2399	254.4925	0.3673	170.9425	0.6015	91.3925	0.4354
62.8025	0.2488	256.5535	0.3574	168.1825	0.5800	94.1425	0.4681
65.6925	0.2598	258.7375	0.3421	165.3325	0.5810	96.9325	0.4716
68.5925	0.2802	260.0645	0.3375	162.4125	0.5802	99.6925	0.4406
71.4425	0.2856	261.3095	0.3372	159.7425	0.5862	102.4125	0.4684
74.3225	0.2983	262.6155	0.3235	156.7225	0.5728	105.1225	0.4702
77.3025	0.3060	263.9825	0.3162	153.4925	0.5760	107.8225	0.4898
80.2025	0.3207	265.2885	0.3164	150.8025	0.5653	110.4325	0.4972
83.0425	0.3313	266.5955	0.3094	147.9625	0.5814	113.0825	0.5096
85.8125	0.3441	267.8605	0.2990	145.1825	0.5502	115.8025	0.5100
88.6525	0.3594	269.2065	0.2911	142.4125	0.5422	118.4925	0.5190
91.3925	0.3665	270.4925	0.2917	139.7125	0.5539	121.1425	0.5193
94.1425	0.3920	271.7785	0.2871	136.7925	0.6235	123.7325	0.5364
96.9325	0.3924	272.9825	0.2774	133.7725	0.5617	126.2625	0.5440
99.6925	0.3601	274.3295	0.2721	131.0425	0.5542	129.0425	0.5191
102.4125	0.3833	275.6765	0.2688	128.3225	0.5440	131.5725	0.5563
105.1225	0.3856	277.0035	0.2642	125.5525	0.5517	134.2325	0.5736
107.8225	0.4027	278.3095	0.2576			137.0825	0.5956

Reinforced Concrete Test Data

Track 4 - High Pressure Test

139.8625	0.5459	288.2320	0.3094	92.2225	0.6549	169.5325	0.9456
142.5125	0.5336	288.2320	0.3094	89.4525	0.6330	172.0825	0.9835
145.2425	0.5399	287.5156	0.3094	86.7525	0.6054	174.8025	0.9288
147.8225	0.5842	284.9297	0.3883	83.9625	0.5831	177.4725	0.9665
150.5525	0.5699	281.9972	0.3654	81.0625	0.5578	180.0625	0.9682
153.2025	0.5751	278.8891	0.3848	78.3025	0.5336	182.7525	0.9682
155.9825	0.5607	275.9215	0.4035	75.3725	0.4999	185.5925	0.9827
158.8425	0.5854	273.0445	0.4318	72.4325	0.4774	188.1025	0.9756
161.4925	0.5805	270.2685	0.4578	69.6725	0.4556	190.7175	0.9826
164.2725	0.5739	267.5545	0.4935	66.9025	0.4226	193.2275	0.9746
166.9425	0.5686	264.7175	0.5201	64.0425	0.3899	195.8805	0.9788
169.5325	0.5915	261.9825	0.5544	61.2225	0.3986	198.4695	0.9691
172.0825	0.6150	259.2275	0.5780	58.4325	0.3488	201.1255	0.9700
174.8025	0.5831	256.4725	0.6232	55.2825	0.3168	203.6355	0.9604
177.4725	0.5932	253.6155	0.6446	52.2225	0.2941	206.2485	0.9584
180.0625	0.5895	250.8605	0.6812	49.3625	0.2599	208.7585	0.9654
182.7525	0.5891	248.1255	0.6925	46.5125	0.2324	211.3295	0.9463
185.5425	0.5958	245.4115	0.7589	43.4425	0.2015	213.9015	0.9401
188.1025	0.5955	242.5945	0.7759	40.5925	0.1847	216.5735	0.9387
190.7175	0.6006	239.9015	0.7890	37.5325	0.1562	219.1455	0.9270
193.2275	0.5934	237.1655	0.8289	34.6725	0.1226	221.7985	0.9301
195.8805	0.5961	234.3285	0.8488	31.6125	0.0990	224.3905	0.9214
198.4695	0.5866	231.6355	0.8779	29.7725	0.0788	227.0445	0.9099
201.1255	0.5897	228.8405	0.8939	27.0225	0.0982	229.5745	0.9015
203.6355	0.5825	226.1255	0.9033	24.6725	0.1265	232.1665	0.8907
206.2485	0.5818	223.4115	0.9185	22.9425	0.1697	234.8195	0.8704
208.7585	0.5890	220.6765	0.9135	21.0025	0.1838	237.6145	0.8416
211.3795	0.5918	217.9425	0.9278	19.2625	0.2146	240.3495	0.8193
213.9015	0.5753	215.1465	0.9321	17.7325	0.2509	243.2075	0.7961
216.5735	0.5760	212.3495	0.9468	16.8025	0.2760	246.0645	0.7690
219.1455	0.5682	209.4725	0.9603	15.8625	0.3028	248.8195	0.7242
221.7985	0.5734	206.7765	0.9538	15.9425	0.3376	251.6365	0.6940
224.3905	0.5672	204.0225	0.9520	15.9825	0.3571	254.4925	0.6665
227.0445	0.5660	201.2885	0.9539	16.8025	0.3730	256.5535	0.6402
229.5745	0.5619	198.5335	0.9595	16.6925	0.4076	258.7275	0.6097
232.1665	0.5613	195.8195	0.9720	16.5925	0.4439	260.0645	0.5960
234.8195	0.5471	192.9815	0.9722	17.4425	0.4576	261.3095	0.5892
237.6145	0.5288	190.2885	0.9777	17.3225	0.4794	262.6155	0.5704
240.3495	0.5148	187.5325	0.9803	17.3025	0.5131	263.9825	0.5491
243.2075	0.5075	184.8625	0.9805	17.3025	0.5390	265.2885	0.5330
246.0645	0.5074	182.0825	0.9679	17.3025	0.5636	266.5955	0.5246
248.8195	0.4797	179.3925	0.9706	17.3025	0.5873	267.8605	0.5048
251.6365	0.4517	176.6125	0.9565	17.3025	0.6165	269.2065	0.4906
254.4925	0.4374	173.8425	0.9790	17.3025	0.6300	270.4925	0.4810
256.5535	0.4288	170.9425	0.9582	17.3025	0.6702	271.7785	0.4677
258.7375	0.4065	168.1825	0.9326	17.3025	0.6828	272.9825	0.4507
260.0645	0.3977	165.3325	0.9305	17.3025	0.6753	274.3295	0.4374
261.3095	0.3965	162.4125	0.9249	102.4125	0.6994	275.6765	0.4285
262.6155	0.3809	159.7425	0.9302	105.1225	0.7075	277.0035	0.4159
263.9825	0.3706	156.7225	0.9048	107.8225	0.7298	278.3095	0.4034
265.2885	0.3676	153.4925	0.9048	110.4225	0.7429	279.7317	0.3948
266.5955	0.3613	150.8025	0.8888	113.0825	0.7640	281.0807	0.3892
267.8605	0.3500	147.9625	0.9019	115.8025	0.7729	282.4709	0.3766
269.2065	0.3417	145.1825	0.8660	118.4925	0.7878	283.7974	0.3886
270.4925	0.3378	142.4125	0.8496	121.1425	0.7988	285.2850	0.3550
271.7785	0.3289	139.7125	0.8630	123.7325	0.8231	286.7339	0.3319
272.9825	0.3179	136.7925	0.9277	126.2625	0.8368	287.8052	0.3741
274.3295	0.3097	133.7725	0.8631	129.0425	0.8416		
275.6765	0.3057	131.0425	0.8539	131.5725	0.8570		
277.0035	0.3002	128.3225	0.8371	134.2325	0.8762		
278.3095	0.2929	125.5525	0.8371	137.0825	0.8934		
279.7317	0.2968	122.9525	0.8148	139.8625	0.8519	288.2320	-0.0457
281.0807	0.2922	120.2725	0.8016	142.5125	0.8393	288.2320	-0.0457
282.4709	0.2923	117.4525	0.7855	145.2425	0.8564	288.2320	-0.0457
283.7974	0.3060	114.6725	0.7707	147.8225	0.9024	284.9297	0.5041
285.2850	0.2857	111.8725	0.7587	150.5525	0.8907	281.9972	0.4952
286.7339	0.2559	109.1825	0.7413	153.2025	0.9047	278.8891	0.5298
287.8052	0.2740	106.4325	0.7255	155.9825	0.8944	275.9215	0.5701
		103.5725	0.7027	158.8425	0.9212	273.0445	0.6171
		100.7725	0.6531	161.4925	0.9235	270.2685	0.6610
		97.9425	0.6898	164.2725	0.9213	267.5545	0.7132
		95.0425	0.6756	166.9425	0.9243	264.7175	0.7540

Scan 14, 135.3 psig

Scan 15, 140.2 psig

Reinforced Concrete Test Data

Track 4 - High Pressure Test

261.9825	0.8096	61.2225	0.5352	198.4695	1.4706	231.6335	1.7879
259.2275	0.8554	58.4325	0.4801	201.1255	1.4628	228.8405	1.8252
256.4725	0.9150	55.2825	0.4257	203.6355	1.4572	226.1255	1.8482
253.6155	0.9592	52.2225	0.3893	206.2485	1.4556	223.4115	1.8670
250.8605	1.0101	49.3625	0.3459	208.7585	1.4562	220.6765	1.8668
248.1255	1.0335	46.5125	0.3065	211.3295	1.4333	217.9425	1.8795
245.4115	1.1323	43.4425	0.2668	213.9015	1.4324	215.1465	1.8953
242.5945	1.1649	40.5925	0.2355	216.5735	1.4234	212.3495	1.9175
239.9015	1.2057	37.5325	0.2040	219.1455	1.4158	209.4725	1.9241
237.1655	1.2522	34.6725	0.1616	221.7985	1.4149	206.7765	1.9211
234.3285	1.2895	31.6125	0.1209	224.3905	1.3962	204.0225	1.9162
231.6355	1.3275	29.7725	0.0937	227.0445	1.3849	201.2885	1.9222
228.8405	1.3553	32.0225	0.1297	229.5745	1.3686	198.5335	1.9270
226.1255	1.3761	34.6725	0.1610	232.1665	1.3466	195.8195	1.9374
223.4115	1.3907	37.9425	0.2081	234.8195	1.3125	192.9815	1.9386
220.6765	1.3895	41.0025	0.2435	237.6145	1.2675	190.2885	1.9451
217.9425	1.4079	44.2625	0.2843	240.3495	1.2261	187.5325	1.9381
215.1465	1.4174	47.7325	0.3310	243.2075	1.1882	184.8625	1.9317
212.3495	1.4351	50.8025	0.3687	246.0645	1.1360	182.0825	1.9117
209.4725	1.4459	53.8625	0.4069	248.8195	1.0731	179.3925	1.8992
206.7765	1.4430	56.9425	0.4542	251.6365	1.0273	176.6125	1.8790
204.0225	1.4424	59.9825	0.4901	254.4925	0.9786	173.8425	1.8498
201.2885	1.4477	62.8025	0.5260	256.5535	0.9414	170.9425	1.8669
198.5335	1.4525	65.6925	0.5653	258.7375	0.8939	168.1825	1.8262
195.8195	1.4653	68.5925	0.6075	260.0645	0.8711	165.3325	1.8178
192.9815	1.4655	71.4425	0.6336	261.3095	0.8553	162.4125	1.8152
190.2885	1.4723	74.3225	0.6666	262.6155	0.8278	159.7425	1.8163
187.5325	1.4719	77.3025	0.7154	263.9825	0.7977	156.7225	1.7811
184.8625	1.4710	80.2025	0.7564	265.2885	0.7735	153.4925	1.7708
182.0825	1.4563	83.0425	0.7919	266.5955	0.7494	150.8025	1.7535
179.3925	1.4513	85.8125	0.8304	267.8605	0.7308	147.9625	1.7539
176.6125	1.4367	88.6525	0.8760	269.2065	0.7076	145.1825	1.7117
173.8425	1.4817	91.3925	0.8994	270.4925	0.6831	142.4125	1.6852
170.9425	1.4395	94.1425	0.9520	271.7785	0.6588	139.7125	1.6972
168.1825	1.3938	96.9425	0.9723	272.9825	0.6382	136.7925	1.7552
165.3325	1.3871	99.6925	0.9640	274.3295	0.6226	133.7725	1.6890
162.4125	1.3783	102.4125	1.0118	275.6765	0.5987	131.0425	1.6698
159.7425	1.3811	105.1225	1.0343	277.0035	0.5814	128.3225	1.6496
156.7225	1.3448	107.8225	1.0637	278.3095	0.5601	125.5525	1.6452
153.4925	1.3441	110.4325	1.0794	279.7317	0.5436	122.9535	1.6153
150.8025	1.3295	113.0825	1.1069	281.0807	0.5279	120.2725	1.5886
147.9625	1.3287	115.8025	1.1255	282.4709	0.5060	117.4525	1.5640
145.1825	1.2941	118.4925	1.1581	283.7974	0.5029	114.6725	1.5385
142.4125	1.2659	121.1425	1.1722	285.2850	0.4758	111.8725	1.5060
139.7125	1.2766	123.7325	1.2101	286.7339	0.4389	109.1825	1.4784
136.7925	1.3000	126.2625	1.2217	287.8052	0.6401	106.4325	1.4466
133.7725	1.2676	129.0425	1.2358			103.5725	1.4021
131.0425	1.2526	131.5725	1.2527			100.7725	1.3463
128.3225	1.2297	134.2325	1.2827			97.9425	1.3573
125.5525	1.2310	137.0825	1.3107			95.0425	1.3190
122.9525	1.2001	139.8625	1.2654			92.2225	1.2699
120.2725	1.1748	142.5125	1.2513			89.4525	1.2213
117.4525	1.1542	145.2425	1.2791			86.7525	1.1695
114.6725	1.1370	147.8225	1.3346			83.9625	1.1169
111.8725	1.1077	150.5525	1.3238			81.0625	1.0658
109.1825	1.0875	153.2025	1.3449			78.3025	1.0149
106.4325	1.0649	155.9825	1.3326			75.3725	0.9447
103.5725	1.0308	158.8425	1.3683			72.4325	0.9036
100.7725	0.9914	161.4925	1.3796			69.6725	0.8479
97.9425	0.9754	164.2725	1.3724			66.9025	0.7822
95.0425	0.9648	166.9425	1.3867			64.0425	0.7160
92.2225	0.9314	169.5325	1.4074			61.2225	0.6767
89.4525	0.9001	172.0825	1.4494			58.4325	0.6342
86.7525	0.8575	174.8025	1.4440			55.2825	0.5738
83.9625	0.8169	177.4725	1.4410			52.2225	0.5185
81.0625	0.7852	180.0625	1.4499			49.3625	0.4586
78.3025	0.7473	182.7525	1.4603			46.5125	0.4119
75.3725	0.6973	185.5925	1.4733			43.4425	0.3579
72.4325	0.6601	188.1025	1.4728			40.5925	0.3120
69.6725	0.6199	190.7125	1.4796			37.5325	0.2715
66.9025	0.5786	193.2275	1.4725			34.6725	0.2167
64.0425	0.5319	195.8805	1.4726			31.6125	0.1634

Scan 16, 145.8 psi

Reinforced Concrete Test Data

Track 4 - High Pressure Test

29.7725	0.1238	227.0445	1.8600	201.2885	1.5368	62.8025	0.4569
32.0225	0.1673	229.5745	1.8407	198.5335	1.5285	65.6925	0.4926
34.6725	0.2134	232.1665	1.8151	195.8195	1.5446	68.5925	0.5445
37.9425	0.2687	234.8195	1.7604	192.9815	1.5579	71.4425	0.5689
41.0025	0.3219	237.6145	1.7084	190.2885	1.5607	74.3225	0.6085
43.2625	0.3768	240.3495	1.6442	187.5325	1.5462	77.3025	0.6565
47.7325	0.4392	243.2075	1.5954	184.8625	1.5491	80.2025	0.6972
50.8025	0.4952	246.0645	1.5244	182.0825	1.5456	83.0425	0.7400
53.8625	0.5453	248.8195	1.4522	179.3925	1.5360	85.8125	0.7859
56.9425	0.6061	251.6365	1.3816	176.6125	1.5026	88.6525	0.8326
59.9825	0.6535	254.4925	1.3151	173.8425	1.5091	91.3925	0.8618
62.8025	0.6877	256.5535	1.2607	170.9425	1.5117	94.1425	0.9219
65.6925	0.7597	258.7375	1.2027	168.1825	1.4789	96.9325	0.9477
68.5925	0.8223	260.0645	1.1691	165.3325	1.4846	99.6925	1.0152
71.4425	0.8690	261.3095	1.1444	162.4125	1.4586	102.4125	0.9955
74.3225	0.9145	262.6155	1.1086	159.7425	1.4522	105.1225	1.0261
77.3025	0.9837	263.9825	1.0709	156.7225	1.4216	107.8225	1.0585
80.2025	1.0384	265.2885	1.0406	153.4925	1.4135	110.4325	1.0856
83.0425	1.0860	266.5955	1.0076	150.8025	1.3940	113.0825	1.1176
85.8125	1.1392	267.8605	0.9773	147.9625	1.3697	115.8025	1.1462
88.6525	1.1967	269.2065	0.9427	145.1825	1.3697	118.4925	1.1791
91.3925	1.2337	270.4925	0.9151	142.4125	1.3355	121.1425	1.2080
94.1425	1.3002	271.7785	0.8837	139.7125	1.2553	123.7325	1.2404
96.9325	1.3334	272.9825	0.8502	136.7925	1.2647	126.2625	1.2593
99.6925	1.2972	274.3295	0.8266	133.7725	1.3113	129.0425	1.2758
102.4125	1.3870	275.6765	0.7931	131.0425	1.2940	131.5725	1.3011
105.1225	1.4168	277.0035	0.7692	128.3225	1.2722	134.2325	1.3327
107.8225	1.4505	278.3095	0.7427	125.5525	1.2670	137.0825	1.3217
110.4325	1.4760	279.7317	0.7167	122.9525	1.2364	139.8625	1.2889
113.0825	1.5057	281.0807	0.6981	120.2725	1.2056	142.5125	1.3125
115.8025	1.5356	282.4709	0.6603	117.4525	1.1668	145.2425	1.3456
118.4925	1.5637	283.7974	0.6545	114.6725	1.1522	147.8225	1.4000
121.1425	1.5916	285.2850	0.6048	111.8725	1.1191	150.5525	1.3950
123.7325	1.6245	286.7339	0.5636	109.1825	1.0907	153.2025	1.4131
126.2625	1.6432	287.8052	0.5794	106.4325	1.0607	155.9825	1.4091
129.0425	1.6547			103.5725	1.0174	158.8425	1.4323
131.5725	1.6783			100.7725	0.9390	161.4925	1.4607
134.2325	1.7094			97.9425	0.9281	164.2725	1.4661
137.0825	1.7079			95.0425	0.9379	166.9425	1.4699
139.8625	1.6842			92.2225	0.8980	169.5325	1.4906
142.5125	1.6749			89.4525	0.8618	172.0825	1.5201
145.2425	1.7090			86.7525	0.8140	174.8025	1.4752
147.8225	1.7563			83.9625	0.7688	177.4725	1.5289
150.5525	1.7496			81.0625	0.7254	180.0625	1.5421
153.2025	1.7728			78.1025	0.6801	182.7525	1.5389
155.9825	1.7637			75.3725	0.6344	185.5925	1.5575
158.8425	1.7987			72.4325	0.5945	188.1025	1.5618
161.4925	1.8156			69.6725	0.5552	190.7175	1.5657
164.2725	1.8110			66.9025	0.5056	193.1225	1.5599
166.9425	1.8246			64.0125	0.4640	195.8805	1.5620
169.5325	1.8441			61.2225	0.4368	198.4695	1.5509
172.0825	1.8922			58.4325	0.4074	201.1255	1.5476
174.8025	1.8681			55.2825	0.3624	203.6355	1.5437
177.4725	1.8976			52.2225	0.3301	206.2485	1.5330
180.0625	1.9168			49.3625	0.2850	208.7585	1.5187
182.7525	1.9203			46.5125	0.2546	211.3295	1.5402
185.5925	1.9421			43.4425	0.2178	213.9015	1.5047
188.1025	1.9433			40.5925	0.1988	216.5735	1.4998
190.7175	1.9516			37.5325	0.1701	219.1455	1.4884
193.2275	1.9466			34.6725	0.1301	221.7985	1.4790
195.8805	1.9501			31.6125	0.1040	224.3905	1.4644
198.4695	1.9424			29.7725	0.0775	227.0445	1.4425
201.1255	1.9426			32.0225	0.1079	229.5745	1.4208
203.6355	1.9329			34.6725	0.1335	232.1665	1.3819
206.2485	1.9338			37.9425	0.1765	234.8195	1.2818
208.7585	1.9367			41.0025	0.2013	237.6145	1.2177
211.3295	1.9310			44.2625	0.2365	240.3495	1.2195
213.9015	1.9062			47.7325	0.2761	243.2075	1.2027
216.5735	1.9054			50.8025	0.3091	246.0645	1.1330
219.1455	1.8942			53.8625	0.3412	248.8195	1.0666
221.7985	1.8911			56.9425	0.3861	251.6365	1.0781
224.3905	1.8802			59.9825	0.4160	254.4925	0.9609

scan 17, 0 psi/g (posttest)

Reinforced Concrete Test Data

Track 4 - High Pressure Test

256.5535	0.9306
258.7375	0.8819
260.0645	0.8542
261.3095	0.8318
262.6155	0.8050
263.9825	0.7777
265.2885	0.7500
266.5955	0.7253
267.8605	0.6986
269.2065	0.6753
270.4925	0.6522
271.7785	0.6227
272.9825	0.5961
274.3295	0.5759
275.6765	0.5587
277.0035	0.5385
278.3095	0.5155
279.7317	0.4917
281.0807	0.4746
282.4709	0.4432
283.7974	0.4445
285.2850	0.3997
286.7339	0.3739
287.8052	0.3705
288.1198	0.3723
288.1807	0.3677
288.1278	0.3708
END	

Reinforced Concrete Test Data

Track 5 - High Pressure Test

Scan 1, 49.2 psig		96.2012	0.0551	89.2958	0.0656	67.7288	0.0922
99.9370	0.0421	96.8433	0.0530	90.6271	0.0746	70.1338	0.0910
98.6236	0.0465	97.4715	0.0523	91.2418	0.0703	72.5598	0.0942
96.3430	0.0561	98.1147	0.0527	91.8839	0.0720	74.9718	0.0944
94.0594	0.0556	98.7945	0.0494	92.5189	0.0694	77.4238	0.0921
91.7825	0.0511	99.3547	0.0473	93.1474	0.0717	79.9248	0.0715
89.5048	0.0582	99.7385	0.0488	93.7487	0.0688	82.4038	0.0883
87.2618	0.0518	99.9729	0.0471	94.3433	0.0673	84.8158	0.0876
84.9858	0.0560			94.9108	0.0661	87.3968	0.0836
82.8368	0.0623	Scan 2, 59.6 psig		95.5392	0.0667	89.2958	0.0785
80.5938	0.0594	99.9370	0.0548	96.2012	0.0700	90.6271	0.0871
78.3568	0.0705	98.6236	0.0589	96.8433	0.0683	91.2418	0.0824
76.1268	0.0745	96.3430	0.0676	97.4715	0.0685	91.8839	0.0837
73.9318	0.0661	94.0594	0.0700	98.1147	0.0684	92.5189	0.0806
71.7018	0.0661	91.7825	0.0685	98.7945	0.0645	93.1474	0.0817
69.4848	0.0654	89.5048	0.0704	99.3547	0.0606	93.7487	0.0788
67.2348	0.0640	87.2618	0.0635	99.7385	0.0611	94.3433	0.0772
64.9788	0.0627	84.9858	0.0721	99.9729	0.0542	94.9108	0.0756
62.7618	0.0626	82.8368	0.0743	Scan 3, 69.3 psig		95.5392	0.0754
60.4988	0.0565	80.5938	0.0727	99.9370	0.0718	96.2012	0.0763
58.1608	0.0549	78.3568	0.0904	98.6236	0.0732	96.8433	0.0741
55.8568	0.0571	76.1268	0.0967	96.3430	0.0829	97.4715	0.0748
53.5538	0.0608	73.9318	0.0840	94.0594	0.0809	98.1147	0.0762
51.2268	0.0565	71.7018	0.0815	91.7825	0.0809	98.7945	0.0752
48.9458	0.0542	69.4848	0.0809	89.5048	0.0846	99.3547	0.0702
46.6548	0.0316	67.2348	0.0790	87.2618	0.0756	99.7385	0.0693
44.3708	0.0442	64.9788	0.0749	84.9858	0.0825	99.9729	0.0740
42.0718	0.0304	62.7618	0.0744	82.8368	0.0860	100.0640	0.0658
39.8508	0.0398	60.4988	0.0684	80.5938	0.0794	Scan 4, 80.2 psig	
37.6608	0.0310	58.1608	0.0665	78.3568	0.1042	99.9370	0.1154
35.3298	0.0209	55.8568	0.0684	76.1268	0.1134	98.6236	0.1153
33.0938	0.0190	53.5538	0.0734	73.9318	0.0932	96.3430	0.1233
30.8918	0.0117	51.2268	0.0671	71.7018	0.0898	94.0594	0.1262
28.6808	0.0169	48.9458	0.0618	69.4848	0.0903	91.7825	0.1292
26.3848	0.0003	46.6548	0.0383	67.2348	0.0876	89.5048	0.1268
25.9518	0.0193	44.3708	0.0419	64.9788	0.0879	87.2618	0.1123
28.1748	0.0112	42.0718	0.0345	62.7618	0.0885	84.9858	0.1136
30.5388	0.0146	39.8508	0.0449	60.4988	0.0801	82.8368	0.1153
32.9728	0.0216	37.6608	0.0369	58.1608	0.0745	80.5938	0.1179
35.3848	0.0270	35.3298	0.0223	55.8568	0.0757	78.3568	0.1275
37.8558	0.0353	33.0938	0.0196	53.5538	0.0788	76.1268	0.1267
40.3098	0.0444	30.8918	0.0154	51.2268	0.0752	73.9318	0.1230
42.7888	0.0394	28.6808	0.0118	48.9458	0.0682	71.7018	0.1198
45.2558	0.0464	26.3848	0.0037	46.6548	0.0354	69.4848	0.1216
47.7498	0.0535	25.9518	0.0174	44.3708	0.0538	67.2348	0.1213
50.1948	0.0601	28.1748	0.0117	42.0718	0.0435	64.9788	0.1181
52.6608	0.0595	30.5388	0.0162	39.8508	0.0473	62.7618	0.1160
55.0868	0.0551	32.9728	0.0257	37.6608	0.0358	60.4988	0.1069
57.5598	0.0579	35.3848	0.0295	35.3298	0.0192	58.1608	0.0994
60.0188	0.0625	37.8558	0.0350	33.0938	0.0202	55.8568	0.0962
62.6538	0.0651	40.3098	0.0520	30.8918	0.0122	53.5538	0.1000
65.2688	0.0651	42.7888	0.0482	28.6808	0.0093	51.2268	0.0972
67.7288	0.0654	45.2558	0.0518	26.3848	0.0016	48.9458	0.0911
70.1338	0.0658	47.7498	0.0645	25.9518	0.0205	46.6548	0.0556
72.5598	0.0694	50.1948	0.0610	25.1748	0.0118	44.3708	0.0708
74.9718	0.0722	52.6608	0.0682	25.1748	0.0118	42.0718	0.0575
77.4238	0.0671	55.0868	0.0677	30.5388	0.0129	39.8508	0.0664
79.9248	0.0453	57.5598	0.0685	32.9728	0.0199	37.6608	0.0575
82.4038	0.0662	60.0188	0.0741	35.3848	0.0281	35.3298	0.0358
84.8158	0.0627	62.6538	0.0766	37.8558	0.0405	33.0938	0.0296
87.3968	0.0583	65.2688	0.0791	40.3098	0.0552	30.8918	0.0214
89.2958	0.0545	67.7288	0.0772	42.7888	0.0496	28.6808	0.0215
90.6271	0.0623	70.1338	0.0745	45.2558	0.0640	26.3848	0.0109
91.2418	0.0568	72.5598	0.0787	47.7498	0.0689	25.9518	0.0325
91.8839	0.0573	74.9718	0.0905	50.1948	0.0758	28.1748	0.0185
92.5189	0.0535	77.4238	0.0835	52.6608	0.0800	30.5388	0.0219
93.1474	0.0553	79.9248	0.0572	55.0868	0.0743	32.9728	0.0335
93.7487	0.0540	82.4038	0.0774	57.5598	0.0790	35.3848	0.0415
94.3433	0.0539	84.8158	0.0758	60.0188	0.0846	37.8558	0.0558
94.9108	0.0532	87.3968	0.0758	62.6538	0.0869	40.3098	0.0724
95.5392	0.0534	89.2958	0.0697	65.2688	0.0909	42.7888	0.0670

Reinforced Concrete Test Data

Track 5 - High Pressure Test

45.2558	0.0773	28.6808	0.0192	48.9458	0.1134	71.7018	0.1659
47.7498	0.0931	26.3848	0.0140	46.6548	0.0911	69.4848	0.1631
50.1948	0.1023	25.9518	0.0165	44.3708	0.0922	67.2348	0.1608
52.6608	0.1103	28.1748	0.0710	42.0718	0.0717	64.9788	0.1568
55.0868	0.1024	30.5388	0.0279	39.8508	0.0815	62.7618	0.1559
57.5598	0.1062	32.9728	0.0377	37.6608	0.0708	60.4988	0.1421
60.0188	0.1183	35.848	0.0498	35.3298	0.0481	58.1608	0.1299
62.6538	0.1269	37.8558	0.0630	33.0938	0.0387	55.8568	0.1275
65.2688	0.1307	40.3098	0.0802	30.8918	0.0300	53.5538	0.1300
67.7288	0.1290	42.7688	0.0760	28.6808	0.0221	51.2268	0.1258
70.1338	0.1278	45.2558	0.0869	26.3848	0.0122	48.9458	0.1184
72.5598	0.1331	47.7498	0.0988	25.9518	0.0305	46.6548	0.0823
74.9718	0.1321	50.1948	0.1140	28.1748	0.0240	44.3708	0.0949
77.4238	0.1355	52.6608	0.1187	30.5388	0.0291	42.0718	0.0788
79.9248	0.1124	55.0868	0.1146	32.9728	0.0415	39.8508	0.0814
82.4038	0.1265	57.5598	0.1198	35.848	0.0508	37.6608	0.0712
84.8158	0.1247	60.0188	0.1299	37.8558	0.059	35.3298	0.0502
87.3968	0.1256	62.6538	0.1391	40.3098	0.0895	33.0938	0.0370
89.2958	0.1310	65.2688	0.1125	42.7888	0.0834	30.8918	0.0304
90.6271	0.1395	67.7288	0.1423	45.2558	0.0985	28.6808	0.0211
91.2418	0.1326	70.1338	0.1425	47.7498	0.1077	26.3848	0.0164
91.8839	0.1331	72.5598	0.1463	50.1948	0.1239	25.9518	0.0206
92.5189	0.1292	74.9718	0.1492	52.6608	0.1308	28.1748	0.0225
93.1474	0.1311	77.4238	0.1603	55.0868	0.1255	30.5388	0.0321
93.7487	0.1297	79.9248	0.1371	57.5598	0.1355	32.9728	0.0414
94.3433	0.1293	82.4038	0.1466	60.0188	0.1407	35.848	0.0569
94.9108	0.1281	84.8158	0.1417	62.6538	0.1495	37.8558	0.0773
95.5392	0.1277	87.3968	0.1437	65.2688	0.1602	40.3098	0.0931
96.2012	0.1279	89.2958	0.1436	67.7288	0.1593	42.7888	0.0868
96.8433	0.1236	90.6271	0.1534	70.1338	0.1571	45.2558	0.1007
97.4715	0.1217	91.2418	0.1453	72.5598	0.1648	47.7498	0.1112
98.1147	0.1251	91.8839	0.1442	74.9718	0.1723	50.1948	0.1292
98.7945	0.1245	92.5189	0.1388	77.4238	0.1765	52.6608	0.1331
99.3547	0.1196	93.1474	0.1391	79.9248	0.1405	55.0868	0.1287
99.7385	0.1224	93.7487	0.1371	82.4038	0.1634	57.5598	0.1398
99.9729	0.0600	94.3433	0.1368	84.8158	0.1623	60.0188	0.1496
		94.9108	0.1364	87.3968	0.1641	62.6538	0.1582
		95.5392	0.1375	89.2958	0.1676	65.2688	0.1717
		96.2012	0.1393	90.6271	0.1747	67.7288	0.1656
		96.8433	0.1359	91.2418	0.1673	70.1338	0.1649
		97.4715	0.1361	91.8839	0.1658	72.5598	0.1732
		98.1147	0.1357	92.5189	0.1615	74.9718	0.1906
		98.7945	0.1326	93.1474	0.1641	77.4238	0.1777
		99.3547	0.1311	93.7487	0.1634	79.9248	0.1470
		99.7385	0.1310	94.3433	0.1633	82.4038	0.1708
		99.9729	0.1411	94.9108	0.1628	84.8158	0.1682
				95.5392	0.1629	87.3968	0.1727
				96.2012	0.1612	89.2958	0.1827
				96.8433	0.1565	90.6271	0.1803
				97.4715	0.1574	91.2418	0.1715
				98.1147	0.1592	91.8839	0.1710
				98.7945	0.1552	92.5189	0.1662
				99.3547	0.1519	93.1474	0.1692
				99.7385	0.1532	93.7487	0.1696
				99.9729	0.1401	94.3433	0.1695
						94.9108	0.1690
						95.5392	0.1678
						96.2012	0.1667
						96.8433	0.1621
						97.4715	0.1627
						98.1147	0.1666
						98.7945	0.1654
						99.3547	0.1608
						99.7385	0.1622
						99.9729	0.1660

Scan 5, 90.6 psig

99.9370	0.1296
98.6236	0.1281
96.3430	0.1377
94.0594	0.1349
91.7825	0.1392
89.5048	0.1451
87.2618	0.1300
84.9858	0.1227
82.8368	0.1353
80.5938	0.1359
78.3568	0.1499
76.1268	0.1451
73.9318	0.1429
71.7018	0.1408
69.4848	0.1418
67.2348	0.1396
64.9788	0.1404
62.7618	0.1291
60.4988	0.1197
58.1608	0.1207
55.8568	0.1098
53.5538	0.1155
51.2268	0.1071
48.9458	0.1002
46.6548	0.0839
44.3708	0.0841
42.0718	0.0869
39.8508	0.0723
37.6608	0.0607
35.3298	0.0402
33.0938	0.0331
30.8918	0.0241

Scan 6, 95.7 psig

99.9370	0.1405
98.6236	0.1435
96.3430	0.1474
94.0594	0.1527
91.7825	0.1527
89.5048	0.1607
87.2618	0.1456
84.9858	0.1473
82.8368	0.1541
80.5938	0.1484
78.3568	0.1631
76.1268	0.1559
73.9318	0.1577
71.7018	0.1547
69.4848	0.1575
67.2348	0.1546
64.9788	0.1514
62.7618	0.1475
60.4988	0.1332
58.1608	0.1257
55.8568	0.1216
53.5538	0.1205
51.2268	0.1218

Scan 7, 100.9 psig

99.9370	0.1547
98.6236	0.1547
96.3430	0.1606
94.0594	0.1602
91.7825	0.1611
89.5048	0.1723
87.2618	0.1604
84.9858	0.1599
82.8368	0.1651
80.5938	0.1517
78.3568	0.1771
76.1268	0.1919
73.9318	0.1714

Scan 8, 108.3 psig

99.9370	0.1831
98.6236	0.1814
96.3430	0.1864

Reinforced Concrete Test Data

Track 5 - High Pressure Test

94.0594	0.1877	99.2547	0.1800	93.1474	0.2051	77.4238	0.2341
91.7825	0.1898	99.7385	0.1804	93.7487	0.2025	79.9248	0.2031
89.5048	0.1918	99.9729	0.2060	94.3433	0.2012	82.4038	0.2264
87.2618	0.1774			94.9108	0.2009	84.8158	0.2292
84.9858	0.1823			95.5392	0.2013	87.3968	0.2303
82.8368	0.1818			96.2012	0.2031	89.2958	0.2317
80.5938	0.1741			96.8433	0.2019	90.6271	0.2383
78.3568	0.1855			97.4715	0.2045	91.2418	0.2294
76.1268	0.2015			98.1147	0.2079	91.8839	0.2280
73.9318	0.1885			98.7945	0.2081	92.5189	0.2239
71.7018	0.1800			99.3547	0.2078	93.1474	0.2254
69.4848	0.1795			99.7385	0.2086	93.7487	0.2252
67.2348	0.1740			99.9729	0.2082	94.3433	0.2266
64.9788	0.1702					94.9108	0.2278
62.7618	0.1727					95.5392	0.2285
60.4988	0.1587					96.2012	0.2294
58.1608	0.1462					96.8433	0.2273
55.8568	0.1390					97.4715	0.2291
53.5538	0.1356					98.1147	0.2329
51.2268	0.1365					98.7945	0.2356
48.9458	0.1264					99.3547	0.2344
46.6548	0.1006					99.7385	0.2332
44.3708	0.1059					99.9729	0.2830
42.0718	0.0820						
39.8508	0.0903						
37.6608	0.0792						
35.3298	0.0568						
33.0938	0.0331						
30.8918	0.0301						
28.6808	0.0269						
26.3848	0.0146						
24.9518	0.0261						
23.1748	0.0249						
20.5388	0.0322						
18.9728	0.0462						
16.3848	0.0616						
13.8558	0.0817						
10.3098	0.0944						
4.7888	0.0967						
4.2558	0.1044						
4.7748	0.1201						
50.1948	0.1411						
52.4408	0.1464						
55.0878	0.1418						
57.5568	0.1411						
60.0188	0.1618						
62.6538	0.1577						
65.2688	0.1700						
67.7288	0.1829						
70.1338	0.1813						
72.5538	0.1896						
74.9718	0.1939						
77.4238	0.2023						
79.9248	0.2133						
82.4038	0.2149						
84.8158	0.1882						
87.3968	0.1840						
89.2958	0.1930						
90.6271	0.1961						
91.2418	0.1855						
91.8839	0.1813						
92.5189	0.1814						
93.1474	0.1815						
93.7487	0.1816						
94.3433	0.1817						
94.9108	0.1818						
95.5392	0.1819						
96.2012	0.1820						
96.8433	0.1821						
97.4715	0.1822						
98.1147	0.1823						
98.7945	0.1824						
99.3547	0.1825						
99.7385	0.1826						
99.9729	0.1827						

Scan 9, 113.2 psig

Scan 10, 117.8 psig

Scan 11, 120.9 psig

Reinforced Concrete Test Data

Track 5 - High Pressure Test

52.0000	0.1616	30.5508	0.1558	44.3708	0.1368	69.4818	0.3472	52.0000	0.1616	30.5508	0.1558	44.3708	0.1368	69.4818	0.3472	
55.0008	0.1644	35.9728	0.1590	47.9728	0.1422	73.3268	0.3726	55.0008	0.1644	35.9728	0.1590	47.9728	0.1422	73.3268	0.3726	
57.5508	0.1734	35.5508	0.1674	45.6848	0.1402	64.9788	0.3769	57.5508	0.1734	35.5508	0.1674	45.6848	0.1402	64.9788	0.3769	
60.0108	0.1906	37.8758	0.1849	47.8758	0.1608	62.7618	0.3095	60.0108	0.1906	37.8758	0.1849	47.8758	0.1608	62.7618	0.3095	
62.6538	0.2141	40.3008	0.2102	45.3298	0.1720	60.4988	0.2887	62.6538	0.2141	40.3008	0.2102	45.3298	0.1720	60.4988	0.2887	
65.2688	0.2158	42.1888	0.2112	43.0098	0.1664	58.1508	0.2693	65.2688	0.2158	42.1888	0.2112	43.0098	0.1664	58.1508	0.2693	
67.7288	0.2167	45.2558	0.2361	40.8918	0.1627	55.8518	0.2496	67.7288	0.2167	45.2558	0.2361	40.8918	0.1627	55.8518	0.2496	
70.1368	0.2208	47.7498	0.2441	38.6808	0.1508	53.5538	0.2324	70.1368	0.2208	47.7498	0.2441	38.6808	0.1508	53.5538	0.2324	
72.5598	0.2365	50.1948	0.2521	36.5818	0.1422	51.2268	0.2197	72.5598	0.2365	50.1948	0.2521	36.5818	0.1422	51.2268	0.2197	
74.9718	0.2400	52.6608	0.2676	34.5518	0.1390	48.9458	0.2068	74.9718	0.2400	52.6608	0.2676	34.5518	0.1390	48.9458	0.2068	
77.4238	0.2317	55.0608	0.2708	32.1748	0.1262	46.6548	0.1751	77.4238	0.2317	55.0608	0.2708	32.1748	0.1262	46.6548	0.1751	
79.9248	0.2186	57.5508	0.2907	30.5758	0.10429	44.3708	0.1576	79.9248	0.2186	57.5508	0.2907	30.5758	0.10429	44.3708	0.1576	
82.4038	0.2044	60.0108	0.2964	27.9728	0.0864	42.0718	0.1312	82.4038	0.2044	60.0108	0.2964	27.9728	0.0864	42.0718	0.1312	
84.8158	0.2159	62.6538	0.2969	25.3848	0.0811	39.8508	0.1243	84.8158	0.2159	62.6538	0.2969	25.3848	0.0811	39.8508	0.1243	
87.3008	0.2455	65.2688	0.2992	22.8758	0.1000	37.6608	0.1056	87.3008	0.2455	65.2688	0.2992	22.8758	0.1000	37.6608	0.1056	
89.7958	0.2536	67.7288	0.2292	20.3008	0.1179	35.3708	0.0815	89.7958	0.2536	67.7288	0.2292	20.3008	0.1179	35.3708	0.0815	
92.2958	0.2576	70.1368	0.2272	17.7508	0.1400	33.0918	0.0672	92.2958	0.2576	70.1368	0.2272	17.7508	0.1400	33.0918	0.0672	
94.7918	0.2599	72.5598	0.2279	15.1508	0.1503	30.8018	0.0482	94.7918	0.2599	72.5598	0.2279	15.1508	0.1503	30.8018	0.0482	
97.2838	0.2492	74.9718	0.2511	12.5508	0.1629	28.6808	0.0358	97.2838	0.2492	74.9718	0.2511	12.5508	0.1629	28.6808	0.0358	
99.7718	0.2429	77.4238	0.2494	10.0008	0.1712	26.3848	0.0145	99.7718	0.2429	77.4238	0.2494	10.0008	0.1712	26.3848	0.0145	
102.2638	0.2414	79.9248	0.2490	7.5508	0.1750	23.9748	0.0145	102.2638	0.2414	79.9248	0.2490	7.5508	0.1750	23.9748	0.0145	
104.7558	0.2446	82.4038	0.2563	5.0608	0.1950	21.5748	0.0325	104.7558	0.2446	82.4038	0.2563	5.0608	0.1950	21.5748	0.0325	
107.2478	0.2400	84.8158	0.2599	2.5508	0.2184	19.1748	0.0517	107.2478	0.2400	84.8158	0.2599	2.5508	0.2184	19.1748	0.0517	
109.7398	0.2472	87.3008	0.2708	0.0008	0.2364	16.7748	0.0753	109.7398	0.2472	87.3008	0.2708	0.0008	0.2364	16.7748	0.0753	
112.2318	0.2536	89.7958	0.2792		0.2507	14.3708	0.0937	112.2318	0.2536	89.7958	0.2792		0.2507	14.3708	0.0937	
114.7238	0.2589	92.2958	0.2592		0.2592	11.9708	0.1161	114.7238	0.2589	92.2958	0.2592		0.2592	11.9708	0.1161	
117.2158	0.2425	94.7918	0.2618		0.2612	9.5708	0.1343	117.2158	0.2425	94.7918	0.2618		0.2612	9.5708	0.1343	
119.7078	0.2486	97.2838	0.2678		0.2672	7.1708	0.1604	119.7078	0.2486	97.2838	0.2678		0.2672	7.1708	0.1604	
122.1998	0.2486	99.7718	0.2718		0.2712	4.7708	0.1749	122.1998	0.2486	99.7718	0.2718		0.2712	4.7708	0.1749	
124.6918	0.2559	102.2638	0.2763		0.2757	2.3708	0.1843	124.6918	0.2559	102.2638	0.2763		0.2757	2.3708	0.1843	
127.1838	0.2608	104.7558	0.2808		0.2802	0.0008	0.1984	127.1838	0.2608	104.7558	0.2808		0.2802	0.0008	0.1984	
129.6758	0.2646	107.2478	0.2848		0.2842		0.2181	129.6758	0.2646	107.2478	0.2848		0.2842		0.2181	
132.1678	0.2686	109.7398	0.2888		0.2882		0.2364	132.1678	0.2686	109.7398	0.2888		0.2882		0.2364	
134.6598	0.2726	112.2318	0.2928		0.2922		0.2536	134.6598	0.2726	112.2318	0.2928		0.2922		0.2536	
137.1518	0.2766	114.7238	0.2968		0.2962		0.2693	137.1518	0.2766	114.7238	0.2968		0.2962		0.2693	
139.6438	0.2806	117.2158	0.3008		0.3002		0.2887	139.6438	0.2806	117.2158	0.3008		0.3002		0.2887	
142.1358	0.2846	119.7078	0.3048		0.3042		0.3095	142.1358	0.2846	119.7078	0.3048		0.3042		0.3095	
144.6278	0.2886	122.1998	0.3088		0.3082		0.3269	144.6278	0.2886	122.1998	0.3088		0.3082		0.3269	
147.1198	0.2926	124.6918	0.3128		0.3122		0.3472	147.1198	0.2926	124.6918	0.3128		0.3122		0.3472	
149.6118	0.2966	127.1838	0.3168		0.3162			149.6118	0.2966	127.1838	0.3168		0.3162			
152.1038	0.3006	129.6758	0.3208		0.3202			152.1038	0.3006	129.6758	0.3208		0.3202			
154.5958	0.3046	132.1678	0.3248		0.3242			154.5958	0.3046	132.1678	0.3248		0.3242			
157.0878	0.3086	134.6598	0.3288		0.3282			157.0878	0.3086	134.6598	0.3288		0.3282			
159.5798	0.3126	137.1518	0.3328		0.3322			159.5798	0.3126	137.1518	0.3328		0.3322			
162.0718	0.3166	139.6438	0.3368		0.3362			162.0718	0.3166	139.6438	0.3368		0.3362			
164.5638	0.3206	142.1358	0.3408		0.3402			164.5638	0.3206	142.1358	0.3408		0.3402			
167.0558	0.3246	144.6278	0.3448		0.3442			167.0558	0.3246	144.6278	0.3448		0.3442			
169.5478	0.3286	147.1198	0.3488		0.3482			169.5478	0.3286	147.1198	0.3488		0.3482			
172.0398	0.3326	149.6118	0.3528		0.3522			172.0398	0.3326	149.6118	0.3528		0.3522			
174.5318	0.3366	152.1038	0.3568		0.3562			174.5318	0.3366	152.1038	0.3568		0.3562			
177.0238	0.3406	154.5958	0.3608		0.3602			177.0238	0.3406	154.5958	0.3608		0.3602			
179.5158	0.3446	157.0878	0.3648		0.3642			179.5158	0.3446	157.0878	0.3648		0.3642			
182.0078	0.3486	159.5798	0.3688		0.3682			182.0078	0.3486	159.5798	0.3688		0.3682			
184.4998	0.3526	162.0718	0.3728		0.3722			184.4998	0.3526	162.0718	0.3728		0.3722			
186.9918	0.3566	164.5638	0.3768		0.3762			186.9918	0.3566	164.5638	0.3768		0.3762			
189.4838	0.3606	167.0558	0.3808		0.3802			189.4838	0.3606	167.0558	0.3808		0.3802			
191.9758	0.3646	169.5478	0.3848		0.3842			191.9758	0.3646	169.5478	0.3848		0.3842			
194.4678	0.3686	172.0398	0.3888		0.3882			194.4678	0.3686	172.0398	0.3888		0.3882			
196.9598	0.3726	174.5318	0.3928		0.3922			196.9598	0.3726	174.5318	0.3928		0.3922			
199.4518	0.3766	177.0238	0.3968		0.3962			199.4518	0.3766	177.0238	0.3968		0.3962			
201.9438	0.3806	179.5158	0.4008		0.4002			201.9438	0.3806	179.5158	0.4008		0.4002			
204.4358	0.3846	182.0078	0.4048		0.4042			204.4358	0.3846	182.0078	0.4048		0.4042			
206.9278	0.3886	184.4998	0.4088		0.4082			206.9278	0.3886	184.4998	0.4088		0.4082			
209.4198	0.3926	186.9918	0.4128		0.4122			209.4198	0.3926	186.9918	0.4128		0.4122			
211.9118	0.3966	189.4838	0.4168		0.4162			211.9118	0.3966	189.4838	0.4168		0.4162			
214.4038	0.4006	191.9758	0.4208		0.4202			214.4038	0.4006	191.9758	0.4208		0.4202			
216.8958	0.4046	194.4678	0.4248		0.4242			216.8958	0.4046	194.4678	0.4248		0.4242			
219.3878	0.4086	196.9598	0.4288		0.4282			219.3878	0.4086	196.9598	0.4288		0.4282			
221.8798	0.4126	199.4518	0.4328		0.4322			221.8798	0.4126	199.4518	0.4328		0.4322			
224.3718	0.4166	201.9438	0.4368		0.4362			224.3718	0.4166	201.9438	0.4368		0.4362			
226.8638	0.4206	204.4358	0.4408		0.4402			226.8638	0.4206	204.4358	0.4408		0.4402			
229.3558	0.4246	206.9278	0.4448		0.4442			229.3558	0.4246	206.9278	0.4448		0.4442			
231.8478	0.4286	209.4198	0.4488		0.4482			231.8478	0.4286	209.4198	0.4488		0.4482			
234.3398	0.4326	211.9118	0.4528		0.4522			234.3398	0.4326	211.9118	0.4528					

Reinforced Concrete Test Data

Track 5 - High Pressure Test

94.0594	0.5838	99.3547	0.5997	92.5189	0.8719	72.5598	0.4388
91.7825	0.5665	99.7385	0.6022	93.1474	0.8778	74.9718	0.4681
89.5048	0.5636	99.9031	0.6052	93.7487	0.8803	77.4238	0.5042
87.2618	0.5453	99.8100	0.6058	94.3433	0.8840	79.9248	0.5033
84.9858	0.5426			94.9108	0.8874	82.4038	0.5296
83.8368	0.5421			95.5392	0.8913	84.8158	0.5498
80.5938	0.5123	Scan 16, 145.8 psig		96.2012	0.8956	87.3968	0.5594
78.3568	0.5274			96.8433	0.8968	89.2958	0.5719
76.1268	0.5272			97.4715	0.9020	90.6271	0.5948
73.9318	0.4968	99.9370	0.9032	98.1147	0.9059	91.2418	0.5947
71.7018	0.4778	98.6236	0.9030	98.7945	0.9054	91.8839	0.5980
69.4848	0.4611	96.3430	0.8869	99.3547	0.9054	92.5189	0.5969
67.2348	0.4371	94.0594	0.8720	99.7385	0.9083	93.1474	0.6014
64.9788	0.4137	91.7825	0.8574	99.9011	0.9119	93.7487	0.6038
62.7618	0.4013	89.5048	0.8441	100.0840	0.9169	94.3433	0.6079
60.4988	0.3792	87.2618	0.8200			94.9108	0.6117
58.1608	0.3549	84.9858	0.8042	scan 17, 0 psig (posttest)		95.5392	0.6158
55.8568	0.3200	82.8368	0.7736			96.2012	0.6199
53.5538	0.3066	80.5938	0.7562			96.8433	0.6209
51.2268	0.2847	78.3568	0.7541	99.9370	0.6352	97.4715	0.6263
48.9458	0.2632	76.1268	0.7460	98.6236	0.6297	98.1147	0.6341
46.6548	0.2179	73.9318	0.7134	96.3430	0.6165	98.7945	0.6375
44.3708	0.2066	71.7018	0.6893	94.0594	0.5988	99.3547	0.6340
42.0718	0.1761	69.4848	0.6631	91.7825	0.5821	99.7385	0.6333
39.8508	0.1633	67.2348	0.6245	89.5048	0.5705	99.9011	0.6356
37.6608	0.1357	64.9788	0.5911	87.2618	0.5464	99.8100	0.6391
35.3298	0.1079	62.7618	0.5682	84.9858	0.5357		
33.0938	0.0874	60.4988	0.5310	82.8368	0.5303		
30.8918	0.0690	58.1608	0.4961	80.5938	0.5012	END	
28.6808	0.0505	55.8568	0.4623	78.3568	0.5117		
26.3848	0.0240	53.5538	0.4309	76.1268	0.4951		
25.9518	0.0432	51.2268	0.4027	73.9318	0.4860		
28.1748	0.0469	48.9458	0.3796	71.7018	0.4318		
29.5288	0.0668	46.6548	0.3122	69.4848	0.4120		
32.9728	0.0962	44.3708	0.2870	67.2348	0.3865		
35.3848	0.1208	42.0718	0.2457	64.9788	0.3614		
37.8558	0.1486	39.8508	0.2247	62.7618	0.3455		
40.3098	0.1798	37.6608	0.1965	60.4988	0.3201		
42.7888	0.1969	35.3298	0.1552	58.1608	0.2937		
45.2558	0.2179	33.0938	0.1271	55.8568	0.2731		
47.7498	0.2179	30.8918	0.0996	53.5538	0.2529		
50.1948	0.2179	28.6808	0.0746	51.2268	0.2364		
52.6608	0.2971	26.3848	0.0444	48.9458	0.2096		
55.0868	0.3206	25.9518	0.0633	46.6548	0.1860		
57.5598	0.3512	28.1748	0.0721	44.3708	0.1623		
60.0188	0.3784	30.5388	0.1000	42.0718	0.1377		
62.6538	0.4023	32.9728	0.1359	39.8508	0.1373		
65.2688	0.4202	35.3848	0.1656	37.6608	0.1151		
67.7288	0.4403	37.8558	0.2026	35.3298	0.0891		
70.1338	0.4569	40.3098	0.2436	33.0938	0.0734		
72.5598	0.4843	42.7888	0.2701	30.8918	0.0548		
74.9718	0.5061	45.2558	0.3078	28.6808	0.0496		
77.4238	0.5118	47.7498	0.3466	26.3848	0.0403		
79.9248	0.5090	50.1948	0.3961	25.9518	0.0385		
82.4038	0.5468	52.6608	0.4303	28.1748	0.0492		
84.8158	0.5507	55.0868	0.4553	30.5388	0.0601		
87.3968	0.5586	57.5598	0.4905	32.9728	0.0839		
89.2958	0.5651	60.0188	0.5335	35.3848	0.0997		
90.6271	0.5792	62.6538	0.5792	37.8558	0.1219		
91.2418	0.5753	65.2688	0.6058	40.3098	0.1492		
91.8839	0.5785	67.7288	0.6442	42.7888	0.1560		
92.5189	0.5774	70.1338	0.6752	45.2558	0.1762		
93.1474	0.5819	72.5598	0.7092	47.7498	0.1967		
93.7487	0.5831	74.9718	0.7438	50.1948	0.2258		
94.3433	0.5857	77.4238	0.7696	52.6608	0.2477		
94.9108	0.5879	79.9248	0.7799	55.0868	0.2595		
95.5392	0.5910	82.4038	0.8090	57.5598	0.2847		
96.2012	0.5946	84.8158	0.8184	60.0188	0.3155		
96.8433	0.5934	87.3968	0.8324	62.6538	0.3419		
97.4715	0.5952	89.2958	0.8456	65.2688	0.3729		
98.1147	0.5985	90.6271	0.8674	67.7288	0.3919		
98.7945	0.5995	91.2418	0.8663	70.1338	0.4095		
		91.8839	0.8713				

Reinforced Concrete Test Data

Track 6 - High Pressure Test

Scan 1, 49.2 psig	79.2951	0.0880	179.7061	0.0607	176.2771	0.0715
268.3000	76.3951	0.0679	182.6011	0.0687	173.6621	0.0757
266.6489	73.7251	0.0888	185.5401	0.0660	170.9501	0.0874
263.7713	70.9051	0.0807	188.3791	0.0630	168.2951	0.0971
260.7629	68.0051	0.0802	191.2951	0.0588	165.6051	0.0916
257.7401	65.2151	0.0746	194.1341	0.0604	162.9951	0.0862
254.7201	62.3951	0.0744	196.8491	0.0708	160.2951	0.0975
252.0461	59.6051	0.0661	199.8691	0.0644	157.7051	0.0642
249.2771	56.8451	0.0602	202.8691	0.0709	155.0551	0.1462
246.5631	54.0151	0.0607	205.6651	0.0595	152.4351	0.1277
243.8281	51.2751	0.0574	208.4201	0.0638	149.7451	0.0960
241.1141	48.5451	0.0521	211.1341	0.0609	147.0151	0.0846
238.4401	45.7251	0.0436	213.8281	0.0677	144.3551	0.0815
235.6651	42.9051	0.0342	216.5011	0.0653	141.6251	0.0930
233.1141	40.1351	0.0236	219.2361	0.0764	138.8451	0.0941
230.3581	37.2551	0.0355	221.9501	0.0744	135.9051	0.1025
227.6651	34.3551	0.0196	224.6851	0.0829	132.9951	0.0977
224.9711	31.4851	0.0125	227.3781	0.0766	130.2751	0.0985
222.3181	28.6451	0.0099	230.1141	0.0857	127.5351	0.1027
219.5831	27.2951	0.0089	232.8281	0.0821	124.9251	0.0978
216.9101	29.8451	0.0107	235.5221	0.0936	122.2351	0.0797
214.1941	32.6851	0.0114	238.1551	0.0916	119.4351	0.1028
211.5011	35.5751	0.0125	240.8081	0.0889	116.7451	0.1048
208.8481	38.5051	0.0259	243.5421	0.0914	114.1351	0.0972
206.0731	41.4551	0.0324	246.2161	0.0887	111.4451	0.1012
203.4061	44.3751	0.0340	248.9711	0.0980	108.7651	0.1091
200.6851	47.3951	0.0517	251.6461	0.0898	106.1451	0.1053
197.9501	50.4151	0.0543	254.4001	0.0997	103.3951	0.1035
195.2971	53.4551	0.0594	257.2001	0.0968	100.7651	0.1035
192.5841	56.7851	0.0960	260.1571	0.0869	97.9851	0.0984
189.8051	59.9451	0.0683	263.0081	0.0778	95.3751	0.1009
187.0121	62.9251	0.0698	265.8347	0.0908	92.7451	0.1029
184.2951	65.9551	0.0745	267.9775	0.0742	90.1151	0.1054
181.6441	68.8451	0.0787	268.2959	0.0601	87.4251	0.1047
178.9391	71.8051	0.0827	268.2673	0.0823	84.7851	0.1098
176.2771	74.6151	0.1207			82.0051	0.1016
173.6621	77.5451	-0.0223	Scan 2, 59.6 psig		79.2951	0.0955
170.9501	80.4251	0.0799	268.3000	0.0806	76.3951	0.0881
168.2951	83.3351	0.0911	266.6489	0.1015	73.7251	0.1029
165.6051	86.1751	0.0873	263.7713	0.0942	70.9051	0.0941
162.9951	89.0151	0.0992	260.7629	0.1043	68.0051	0.0973
160.2951	91.9451	0.0921	257.7401	0.1025	65.2151	0.0889
157.7051	94.8051	0.0872	254.7201	0.1069	62.3951	0.0821
155.0551	97.5651	0.0872	252.0461	0.1056	59.6051	0.0810
152.4351	100.4451	0.0898	249.2771	0.1084	56.8451	0.0640
149.7451	103.3351	0.0859	246.5631	0.1056	54.0151	0.0577
147.0151	106.2351	0.0845	243.8281	0.1136	51.2751	0.0656
144.3551	109.0551	0.0881	241.1141	0.1121	48.5451	0.0536
141.6251	111.8651	0.0652	238.4401	0.1378	45.7251	0.0406
138.8451	114.6251	0.0884	235.6651	0.1134	42.9051	0.0393
135.9051	117.3751	0.0864	232.8281	0.1044	40.1351	0.0333
132.9951	120.1351	0.0889	230.1141	0.1057	37.2551	0.0300
130.2751	122.9551	0.0813	227.3781	0.1058	34.3551	0.0223
127.5351	125.7051	0.0798	224.6851	0.1013	31.4851	0.0071
124.9251	128.5251	0.0823	222.3181	0.1133	28.6451	-0.0025
122.2351	131.3151	0.0742	219.5831	0.1066	27.2951	-0.0106
119.4351	134.1351	0.0674	216.9101	0.1116	29.8451	0.0019
116.7451	136.9651	0.0775	214.1941	0.1097	32.6851	0.0018
114.1351	139.7051	0.0740	211.5011	0.1111	35.5751	0.0075
111.4451	142.5251	0.0742	208.8481	0.0973	38.5051	0.0198
108.7651	145.3351	0.0658	206.0731	0.1094	41.4551	0.0313
106.1451	148.1551	0.0549	203.4001	0.1005	44.3751	0.0330
103.3951	151.1151	0.0677	200.6651	0.1041	47.3951	0.0557
100.7651	153.9751	0.1133	197.9501	0.1001	50.4151	0.0548
97.9851	156.7051	0.0373	195.2971	0.1063	53.4551	0.0600
95.3751	159.5451	0.0688	192.5831	0.1139	56.7851	0.0699
92.7451	162.4251	0.0660	189.8051	0.0979	59.9451	0.0719
90.1151	165.2951	0.0674	187.0121	0.1051	62.9251	0.0784
87.4251	168.2151	0.0715	184.2951	0.1064	65.9551	0.0780
84.7851	171.0521	0.0692	181.6441	0.0992	68.8451	0.0816
82.0051	173.9301	0.0657	178.9891	0.0939	71.8051	0.0860
	176.8081	0.0624			74.6451	0.1002

Reinforced Concrete Test Data

Track 6 - High Pressure Test

77.5451	0.0920	Scan 3, 69.3 psig	79.2951	0.1194	179.7061	0.0922
80.4251	0.1097		76.3951	0.0968	182.6011	0.0987
83.3351	0.1011	268.3000	73.7251	0.1215	185.5401	0.0976
86.1751	0.0984	266.6489	70.9051	0.1055	188.3791	0.0955
89.0151	0.1077	263.7713	68.0051	0.1068	191.2951	0.0888
91.9451	0.1066	260.7629	65.2151	0.0999	194.1341	0.1031
94.8051	0.1022	257.7401	62.3951	0.0935	196.8491	0.1051
97.5651	0.0997	254.7201	59.6051	0.0885	199.8691	0.1016
100.4451	0.1041	252.0461	56.8451	0.0848	202.8691	0.1062
103.3351	0.1029	249.2771	54.0151	0.0776	205.6651	0.0990
106.2351	0.1036	246.5631	51.2751	0.0703	208.4201	0.0994
109.0551	0.0972	243.8281	48.5451	0.0617	211.1341	0.1059
111.8651	0.1045	241.1141	45.7251	0.0443	213.8281	0.1068
114.6251	0.1007	238.4401	42.9051	0.0372	216.5011	0.1065
117.3751	0.0995	235.6651	40.1351	0.0354	219.2361	0.1196
120.1351	0.1125	233.1141	37.2551	0.0322	221.9501	0.1157
122.9551	0.0949	230.3581	34.3551	0.0197	224.6851	0.1242
125.7051	0.0959	227.6651	31.4851	0.0065	227.3781	0.1162
128.5251	0.0983	224.9711	28.6451	-0.0043	230.1141	0.1179
131.3151	0.0933	222.3181	27.2951	-0.0077	232.8281	0.1262
134.1351	0.0812	219.5831	29.8451	0.0041	235.5221	0.1330
136.9051	0.0919	216.9101	32.6851	0.0006	238.1551	0.1343
139.7051	0.0920	214.1941	35.5751	0.0062	240.8081	0.1299
142.5251	0.0889	211.5011	38.5051	0.0241	243.5421	0.1284
145.3351	0.0811	208.8481	41.4551	0.0343	246.2161	0.1322
148.1551	0.0726	206.0731	44.3751	0.0401	248.9711	0.1402
151.1151	0.0888	203.4001	47.3951	0.0744	251.6461	0.1411
153.9751	0.1427	200.6651	50.4151	0.0639	254.4001	0.1426
156.7051	0.0208	197.9501	53.4551	0.0736	257.2001	0.1333
159.5451	0.0871	195.2971	56.7851	0.0809	260.1571	0.1182
162.4351	0.0795	192.5831	59.9451	0.0860	263.0081	0.1221
165.2951	0.0859	189.8051	62.9251	0.0853	265.8347	0.1289
168.2151	0.0945	187.0121	65.9551	0.0925	267.9775	0.1122
171.0521	0.0826	184.2951	68.8451	0.1023	268.2959	0.1260
173.9301	0.0844	181.6441	71.8051	0.1094		
176.8081	0.0734	178.9891	74.6451	0.1395	Scan 4, 80.2 psig	
179.7061	0.0764	176.2771	77.5451	0.0815	268.3000	-0.0228
182.6011	0.0847	173.6621	80.4251	0.1081	266.6489	0.0019
185.5401	0.0868	170.9501	83.3351	0.1206	263.7713	0.0048
188.3791	0.0826	168.2951	86.1751	0.1173	260.7629	0.0142
191.2951	0.0727	165.6051	89.0151	0.1341	257.7401	0.0085
194.1341	0.0883	162.9951	91.9451	0.1258	254.7201	0.0061
196.8491	0.0884	160.2951	94.8051	0.1246	252.0461	0.0200
199.8691	0.0856	157.7051	97.5651	0.1214	249.2771	0.0328
202.8691	0.0882	155.0551	100.4451	0.1233	246.5631	0.0274
205.6651	0.0905	152.4351	103.3351	0.1229	243.8281	0.0469
208.4201	0.0713	149.7451	106.2351	0.1190	241.1141	0.0389
211.1341	0.0760	147.0151	109.0551	0.1209	238.1551	0.0871
213.8281	0.0850	144.3551	111.8651	0.1203	235.6651	0.0734
216.5011	0.0854	141.6251	114.6251	0.1197	233.1141	0.0802
219.2361	0.0852	138.8451	117.3751	0.1208	230.3581	0.0764
221.9501	0.0878	135.9051	120.1351	0.1265	227.6651	0.0831
224.6851	0.0862	132.9951	122.9551	0.1194	224.9711	0.0687
227.3781	0.0865	130.2751	125.7051	0.1166	222.3181	0.0840
230.1141	0.0918	127.5351	128.5251	0.1168	219.5831	0.0818
232.8281	0.0917	124.9251	131.3151	0.1118	216.9101	0.0875
235.5221	0.0942	122.2351	134.1351	0.1078	214.1941	0.0913
238.1551	0.1014	119.4351	136.9051	0.1104	211.5011	0.0877
240.8081	0.0974	116.7451	139.7051	0.0992	208.8481	0.0733
243.5421	0.0972	114.1351	142.5251	0.0995	206.0731	0.0830
246.2161	0.0985	111.4451	145.3351	0.1026	203.4001	0.0841
248.9711	0.1022	108.7651	148.1551	0.0986	200.6651	0.0828
251.6461	0.0999	106.1451	151.1151	0.1037	197.9501	0.0809
254.4001	0.1000	103.3951	153.9751	0.1087	195.2971	0.0815
257.2001	0.1042	100.7651	156.7051	0.0826	192.5831	0.0836
260.1571	0.0830	97.9851	159.5451	0.0998	189.8051	0.0748
263.0081	0.0941	95.3751	162.4351	0.0930	187.0121	0.0871
265.8347	0.0926	92.7451	165.2951	0.1052	184.2951	0.0890
267.9775	0.0843	90.1151	168.2151	0.1122	181.6441	0.0848
268.2959	0.0828	87.4251	171.0521	0.0960	178.9891	0.0877
268.2673	0.0857	84.7851	173.9301	0.0982	176.2771	0.0644
		82.0051	176.8081	0.0889	173.6621	0.0642

Reinforced Concrete Test Data

Track 6 - High Pressure Test

170.9501	0.0702	83.3351	0.1208	Scan 5, 90.6 psig	79.2951	0.1256
168.2951	0.0881	86.1751	0.1161		76.3951	0.1136
165.6051	0.0864	89.0151	0.1286	268.3000	73.7251	0.1273
162.9951	0.0775	91.9451	0.1246	266.6489	70.9051	0.1168
160.2951	0.0873	94.8051	0.1234	263.7713	68.0051	0.1208
157.7051	0.0631	97.5651	0.1210	260.7629	65.2151	0.1116
155.0551	0.1181	100.4451	0.1222	257.7401	62.3951	0.1016
152.4351	0.1300	103.3351	0.1209	254.7201	59.6051	0.0975
149.7451	0.0988	106.2351	0.1178	252.0461	56.8451	0.0822
147.0151	0.0893	109.0551	0.1098	249.2771	54.0151	0.0783
144.3551	0.0789	111.8651	0.1154	246.5631	51.2751	0.0747
141.6251	0.0966	114.6251	0.1180	243.8281	48.5451	0.0606
138.8451	0.0991	117.3751	0.1139	241.1141	45.7251	0.0478
135.9051	0.1081	120.1351	0.1202	238.4401	42.9051	0.0321
132.9951	0.1067	122.9551	0.1137	235.6651	40.1351	0.0254
130.2751	0.1060	125.7051	0.1114	233.1141	37.2551	0.0232
127.5351	0.1170	128.5251	0.1112	230.3581	34.3551	0.0055
124.9251	0.1133	131.3151	0.1048	227.6651	31.4851	-0.0089
122.2351	0.0995	134.1351	0.0943	224.9711	28.6451	-0.0175
119.4351	0.1108	136.9051	0.1046	222.3181	27.2951	-0.0176
116.7451	0.1226	139.7051	0.0976	219.5831	29.8451	-0.0171
114.1251	0.1169	142.5251	0.0921	216.9101	32.6851	-0.0092
111.4451	0.1228	145.3351	0.0820	214.1941	35.5251	-0.0020
108.7651	0.1136	148.1551	0.0745	211.5011	38.5051	0.0192
106.1451	0.1281	151.1151	0.0815	208.8481	41.4551	0.0307
103.3951	0.1211	153.9751	0.1411	206.0731	44.3751	0.0309
100.7651	0.1222	156.7051	0.0152	203.4001	47.3951	0.0621
97.9851	0.1250	159.5451	0.0804	200.6651	50.4151	0.0684
95.3751	0.1198	162.4351	0.0739	197.9501	53.4551	0.0755
92.7451	0.1259	165.2951	0.0802	195.2971	56.7851	0.0858
90.1151	0.1276	168.2151	0.0908	192.5831	59.9451	0.0929
87.4251	0.1123	171.0521	0.0749	189.8051	62.9251	0.0958
84.7851	0.1193	173.9301	0.0740	187.0121	65.9551	0.1065
82.0051	0.1158	176.8081	0.0696	184.2951	68.8451	0.1148
79.2951	0.1194	179.7061	0.0736	181.6441	71.8051	0.1253
76.3951	0.1189	182.6011	0.0780	178.9891	74.6451	0.1337
73.7251	0.1274	185.5401	0.0752	176.2771	77.5451	0.0704
70.9051	0.1079	188.3791	0.0707	173.6621	80.4251	0.1209
68.0051	0.1099	191.2951	0.0581	170.9501	83.3351	0.1351
65.2151	0.1047	194.1341	0.0687	168.2951	86.1751	0.1299
62.3951	0.0936	196.8491	0.0686	165.6051	89.0151	0.1452
59.6051	0.0903	199.8691	0.0637	162.9951	91.9451	0.1376
56.8451	0.0767	202.8691	0.0695	160.2951	94.8051	0.1347
54.0151	0.0691	205.6651	0.0698	157.7051	97.5651	0.1320
51.2751	0.0643	208.4201	0.0559	155.0551	100.4451	0.1434
48.5451	0.0569	211.1341	0.0619	152.4351	103.3351	0.1329
45.7251	0.0406	213.8281	0.0678	149.7451	106.2351	0.1311
42.9051	0.0291	216.5011	0.0667	147.0151	109.0551	0.1309
40.1351	0.0284	219.2361	0.0709	144.3551	111.8651	0.1332
37.2551	0.0216	221.9501	0.0703	141.6251	114.6251	0.1324
34.3551	0.0105	224.6851	0.0724	138.8451	117.3751	0.1275
31.4851	-0.0065	227.3781	0.0662	135.9051	120.1351	0.1310
28.6451	-0.0168	230.1141	0.0734	132.9951	122.9551	0.1235
27.2951	-0.0177	232.6281	0.0690	130.2751	125.7051	0.1239
29.8451	-0.0107	235.5221	0.0769	127.5351	128.5251	0.1240
32.6851	-0.0053	238.1551	0.0754	124.9251	131.3151	0.1174
35.5751	0.0004	240.8081	0.0739	122.2351	134.1351	0.1099
38.5051	0.0200	243.5421	0.0748	119.4351	136.9051	0.1098
41.4551	0.0298	246.2161	0.0777	116.7451	139.7051	0.1062
44.3751	0.0323	248.9711	0.0792	114.1351	142.5251	0.0968
47.3951	0.0630	251.6461	0.0759	111.4451	145.3351	0.0991
50.4151	0.0662	254.4001	0.0779	108.7651	148.1551	0.0942
53.4551	0.0709	257.2001	0.0707	106.1451	151.1151	0.1004
56.7851	0.0794	260.1571	0.0521	103.3951	153.9751	0.1101
59.9451	0.0864	263.0081	0.0540	100.7651	156.7051	0.0638
62.9251	0.0906	265.8347	0.0598	97.9851	159.5451	0.0847
65.9551	0.1000	267.9775	0.0411	95.3751	162.4351	0.0804
68.8451	0.1025	268.2959	0.0411	92.7451	165.2951	0.0898
71.8051	0.1139	268.2673	0.0439	90.1151	168.2151	0.0971
74.6451	0.1572	268.2959	0.0411	87.4251	171.0521	0.0765
77.5451	0.0489			84.7851	173.9301	0.0863
80.4251	0.1014			82.0051	176.8081	0.0760

Reinforced Concrete Test Data

Track 6 - High Pressure Test

179.7061	0.0772	178.9891	0.0957	74.6451	0.1276	268.2959	0.0233
182.6011	0.0788	176.2771	0.0712	77.5451	0.1260		
185.5101	0.0773	173.6621	0.0714	80.4251	0.1418		
188.3791	0.0756	170.9501	0.0800	83.3351	0.1418		
191.2951	0.0658	168.2951	0.0906	86.1751	0.1405		
194.1341	0.0722	165.6051	0.0893	89.0151	0.1437		
196.8491	0.0722	162.9951	0.0923	91.9451	0.1417		
199.8691	0.0678	160.2951	0.0936	94.8051	0.1433		
202.8691	0.0716	157.7651	0.0890	97.5651	0.1394		
205.6651	0.0676	155.0551	0.0990	100.4451	0.1390		
208.4201	0.0486	152.4351	0.1177	103.3351	0.1376		
211.1341	0.0572	149.7451	0.1112	106.2351	0.1439		
213.8281	0.0664	147.0151	0.1041	109.0551	0.1334		
216.5011	0.0668	144.3551	0.1051	111.8651	0.1357		
219.2361	0.0677	141.6251	0.1040	114.6251	0.1368		
221.9501	0.0700	138.8451	0.0982	117.3751	0.1389		
224.6851	0.0695	135.9051	0.1168	120.1351	0.1476		
227.3781	0.0667	132.9951	0.1207	122.9551	0.1297		
230.1141	0.0692	130.2751	0.1217	125.7051	0.1312		
232.8281	0.0719	127.5351	0.1297	128.5251	0.1301		
235.5221	0.0744	124.9251	0.1253	131.3151	0.1237		
238.1551	0.0761	122.2351	0.1084	134.1351	0.1141		
240.8081	0.0680	119.4351	0.1346	136.9051	0.1240		
243.5421	0.0693	116.7451	0.1413	139.7051	0.1151		
246.2161	0.0675	114.1351	0.1332	142.5251	0.1063		
248.9711	0.0680	111.4451	0.1316	145.3351	0.0982		
251.6461	0.0685	108.7651	0.1364	148.1551	0.0903		
254.4001	0.0649	106.1451	0.1390	151.1151	0.1059		
257.2001	0.0692	103.3951	0.1383	153.9751	0.1463		
260.1571	0.0361	100.7651	0.1391	156.7051	0.0190		
263.0081	0.0453	97.9851	0.1372	159.5451	0.0903		
265.8347	0.0445	95.3751	0.1390	162.4351	0.0836		
267.9775	0.0283	92.7451	0.1444	165.2951	0.0906		
268.2959	0.0259	90.1151	0.1470	168.2151	0.0960		
268.2673	0.0294	87.4251	0.1323	171.0521	0.0834		
268.2959	0.0259	84.7851	0.1361	173.9301	0.0821		
		82.0051	0.1299	176.8081	0.0723		
		79.2951	0.1302	179.7061	0.0761		
		76.3951	0.1257	182.6011	0.0807		
		73.7251	0.1129	185.5401	0.0757		
		70.9051	0.1176	188.3791	0.0718		
		68.0051	0.1189	191.2951	0.0622		
		65.2151	0.1159	194.1341	0.0677		
		62.3951	0.1042	196.8491	0.0656		
		59.6051	0.0964	199.8691	0.0592		
		56.8451	0.0826	202.8691	0.0661		
		54.0151	0.0787	205.6651	0.0424		
		51.2751	0.0733	208.4201	0.0584		
		48.5451	0.0624	211.1341	0.0542		
		45.7251	0.0436	213.8281	0.0639		
		42.9051	0.0338	216.5011	0.0573		
		40.1351	0.0211	219.2361	0.0593		
		37.2551	0.0166	221.9501	0.0565		
		34.3551	0.0007	224.6851	0.0633		
		31.4851	0.0156	227.3781	0.0622		
		28.6451	-0.0223	230.1141	0.0631		
		27.2951	-0.0266	232.8281	0.0681		
		29.8451	-0.0287	235.5221	0.0679		
		32.6851	-0.0226	238.1551	0.0682		
		35.5751	-0.0122	240.8081	0.0658		
		38.5051	0.0078	243.5421	0.0603		
		41.4551	0.0196	246.2161	0.0684		
		44.3751	0.0295	248.9711	0.0713		
		47.2951	0.0674	251.6461	0.0683		
		50.1151	0.0611	254.4001	0.0627		
		53.4551	0.0736	257.2001	0.0529		
		56.7851	0.0833	260.1571	0.0490		
		59.9451	0.0883	263.0081	0.0356		
		62.9251	0.0938	265.8347	0.0375		
		65.9551	0.1067	267.9775	0.0214		
		68.8451	0.1164	268.2959	0.0233		
		71.8051	0.1222	268.2673	0.0264		
Scan 7, 100.9 psig							
						268.3000	-0.0030
						266.6489	0.0134
						263.7713	0.0164
						260.7629	0.0228
						257.7401	0.0305
						254.7201	0.0304
						252.0461	0.0390
						249.2771	0.0423
						246.5631	0.0436
						243.8281	0.0554
						241.1141	0.0498
						238.4401	0.0853
						235.6651	0.0615
						233.1141	0.0721
						230.3581	0.0744
						227.6651	0.0798
						224.9711	0.0690
						222.3181	0.0831
						219.5831	0.0782
						216.9101	0.0850
						214.1941	0.0837
						211.5011	0.0851
						208.8481	0.0740
						206.0731	0.0665
						203.4001	0.0787
						200.6651	0.0778
						197.9501	0.0802
						195.2971	0.0766
						192.5831	0.0805
						189.8051	0.0770
						187.0121	0.0855
						184.2951	0.0894
						181.6441	0.0853
						178.9891	0.0940
						176.2771	0.0678
						173.6621	0.0722
						170.9501	0.0767
						168.2951	0.0910
						165.6051	0.0939
						162.9951	0.0941
						160.2951	0.0888
						157.7051	0.0903
						155.0551	0.0863
						152.4351	0.1195
						149.7451	0.1132
						147.0151	0.0998
						144.3551	0.1050
						141.6251	0.1093
						138.8451	0.0993
						135.9051	0.1182
						132.9951	0.1216
						130.2751	0.1226
						127.5351	0.1328
						124.9251	0.1315
						122.2351	0.1136
						119.4351	0.1407
						116.7451	0.1496
						114.1351	0.1380
						111.4451	0.1418
						108.7651	0.1428
						106.1451	0.1404
						103.3951	0.1433
						100.7651	0.1442
						97.9851	0.1391
						95.3751	0.1393
						92.7451	0.1441
						90.1151	0.1409

Reinforced Concrete Test Data

Track 6 - High Pressure Test

87.4251	0.1396	171.0521	0.0802	189.8051	0.0831	62.9251	0.1032
84.7851	0.1438	173.9301	0.0847	187.0121	0.0902	65.9551	0.1182
82.0051	0.1365	176.8081	0.0758	184.2951	0.0993	68.8451	0.1277
79.2951	0.1341	179.7061	0.0774	181.6441	0.0921	71.8051	0.1345
76.3951	0.1216	182.6011	0.0817	178.9891	0.1024	74.6451	0.1397
73.7251	0.1256	185.5401	0.0767	176.2771	0.0727	77.5451	0.1053
70.9051	0.1262	188.3791	0.0690	173.6621	0.0749	80.4251	0.1669
68.0051	0.1239	191.2951	0.0610	170.9501	0.0870	83.3351	0.1549
65.2151	0.1187	194.1341	0.0733	168.2951	0.0888	86.1751	0.1534
62.3951	0.1089	196.8491	0.0683	165.6051	0.0997	89.0151	0.1649
59.6051	0.1024	199.8691	0.0620	162.9951	0.0955	91.9451	0.1615
56.8451	0.0835	202.8691	0.0650	160.2951	0.1094	94.8051	0.1608
54.0151	0.0817	205.6651	0.0573	157.7051	0.1095	97.5651	0.1567
51.2751	0.0773	208.4201	0.0413	155.0551	0.0939	100.4451	0.1570
48.5451	0.0629	211.1341	0.0535	152.4351	0.1311	103.3351	0.1560
45.7251	0.0428	213.8281	0.0614	149.7451	0.1224	106.2351	0.1618
42.9051	0.0285	216.5011	0.0598	147.0151	0.1159	109.0551	0.1522
40.1351	0.0179	219.2361	0.0598	144.3551	0.1150	111.8651	0.1540
37.2551	0.0148	221.9501	0.0635	141.6251	0.1189	114.6251	0.1528
34.3551	-0.0024	224.6851	0.0629	138.8451	0.1148	117.3751	0.1517
31.4851	-0.0188	227.3781	0.0614	135.9051	0.1314	120.1351	0.1603
28.6451	-0.0267	230.1141	0.0615	132.9951	0.1340	122.9551	0.1446
27.2951	-0.0285	232.8281	0.0629	130.2751	0.1338	125.7051	0.1463
27.8451	0.0257	235.5221	0.0678	127.5351	0.1432	128.5251	0.1449
32.6851	0.0171	238.1551	0.0656	124.9251	0.1409	131.3151	0.1379
35.5751	-0.0085	240.8081	0.0560	122.2351	0.1236	134.1351	0.1283
38.5051	0.0096	243.5421	0.0566	119.4351	0.1513	136.9051	0.1348
41.4551	0.0248	246.2161	0.0539	116.7451	0.1598	139.7051	0.1292
44.3751	0.0342	248.9711	0.0614	114.1351	0.1494	142.5251	0.1186
47.3951	0.0725	251.6461	0.0576	111.4451	0.1506	145.3351	0.1174
50.4151	0.0692	254.4001	0.0508	108.7651	0.1572	148.1551	0.1166
53.4551	0.0751	257.2001	0.0560	106.1451	0.1547	151.1151	0.1231
56.7851	0.0879	260.1571	0.0187	103.3951	0.1554	153.9751	0.1347
59.9451	0.0981	263.0081	0.0326	100.7651	0.1573	156.7051	0.0577
62.9251	0.1050	265.8347	0.0301	97.9851	0.1562	159.5451	0.1004
65.9551	0.1182	267.9775	0.0139	95.3751	0.1576	162.4351	0.0942
68.8451	0.1208	268.2959	0.0113	92.7451	0.1569	165.2951	0.1020
71.8051	0.1303	268.2673	0.0148	90.1151	0.1588	168.2151	0.1028
74.6451	0.1701	268.2959	0.0113	87.4251	0.1592	171.0521	0.0825
77.5451	-0.0437			84.7851	0.1648	173.9301	0.0882
80.4251	0.1392			82.0051	0.1542	176.8081	0.0774
83.3351	0.1428			79.2951	0.1541	179.7061	0.0798
86.1751	0.1410			76.3951	0.1293	182.6011	0.0838
89.0151	0.1585			73.7251	0.1344	185.5401	0.0775
91.9451	0.1479			70.9051	0.1343	188.3791	0.0713
94.8051	0.1439			68.0051	0.1306	191.2951	0.0601
97.5651	0.1433			65.2151	0.1211	194.1341	0.0692
100.4451	0.1440			62.3951	0.1117	196.8491	0.0645
103.3351	0.1419			59.6051	0.1049	199.8691	0.0593
106.2351	0.1433			56.8451	0.0866	202.8691	0.0592
109.0551	0.1460			54.0151	0.0815	205.6651	0.0538
111.8651	0.1490			51.2751	0.0775	208.4201	0.0400
114.6251	0.1456			48.5451	0.0585	211.1341	0.0522
117.3751	0.1410			45.7251	0.0398	213.8281	0.0591
120.1351	0.1458			42.9051	0.0264	216.5011	0.0585
122.9551	0.1390			40.1351	0.0181	219.2361	0.0599
125.7051	0.1392			37.2551	0.0086	221.9501	0.0510
128.5251	0.1363			34.3551	-0.0056	224.6851	0.0579
131.3151	0.1310			31.4851	-0.0272	227.3781	0.0586
134.1351	0.1246			28.6451	-0.0401	230.1141	0.0605
136.9051	0.1162			27.2951	0.0416	232.8281	0.0593
139.7051	0.1155			24.8451	-0.0342	235.5221	0.0644
142.5251	0.1070			22.6851	-0.0273	238.1551	0.0612
145.3351	0.1078			20.9913	-0.0185	240.8081	0.0526
148.1551	0.1041			19.5297	0.0905	243.5421	0.0522
151.1151	0.1127			18.2583	0.0867	246.2161	0.0535
153.9751	0.1210			17.9501	0.0825	248.9711	0.0593
156.7051	0.0646			16.9101	0.0904	251.6461	0.0498
159.5451	0.0959			15.1941	0.0913	254.4001	0.0466
162.4351	0.0893			14.1141	0.0487	257.2001	0.0418
165.2951	0.0950			13.8281	0.0591	260.1571	0.0165
168.2151	0.0963			12.9501	0.0264	263.0081	0.0167

Scw = 8, 108.3 psig

Reinforced Concrete Test Data

Track 6 - High Pressure Test

265.8347	0.0160	97.9851	0.1645	159.5451	0.1123	200.6651	0.0818
267.9775	0.0052	95.3751	0.1683	162.4351	0.1075	197.9501	0.0876
268.2959	0.0049	92.7451	0.1693	165.2951	0.1119	195.2971	0.0959
268.2673	0.0082	90.1151	0.1756	168.2151	0.1151	192.5831	0.1012
268.2959	0.0049	87.4251	0.1773	171.0521	0.0986	189.8051	0.0980
		84.7851	0.1787	173.9301	0.0947	187.0121	0.1045
		82.0051	0.1682	176.8081	0.0881	184.2951	0.1097
		79.2951	0.1679	179.7061	0.0870	181.6441	0.1100
		76.3951	0.1585	182.6011	0.0910	178.9891	0.1069
		73.7251	0.1594	185.5401	0.0810	176.2771	0.0896
		70.9051	0.1407	188.3791	0.0729	173.6621	0.0971
		68.0051	0.1389	191.2951	0.0723	170.9501	0.1107
		65.2151	0.1275	194.1341	0.0777	168.2951	0.1223
		62.3951	0.1155	196.8491	0.0721	165.6051	0.1290
		59.6051	0.1065	199.8691	0.0620	162.9951	0.1283
		56.8451	0.0952	202.8691	0.0679	160.2951	0.1373
		54.0151	0.0859	205.6651	0.0532	157.7051	0.1046
		51.2751	0.0777	208.4201	0.0503	155.0551	0.1422
		48.5451	0.0660	211.1341	0.0592	152.4351	0.1672
		45.7251	0.0406	213.8281	0.0660	149.7451	0.1590
		42.9051	0.0294	216.5011	0.0628	147.0151	0.1501
		40.1351	0.0150	219.2361	0.0630	144.3551	0.1428
		37.2551	0.0049	221.9501	0.0678	141.6251	0.1456
		34.3551	-0.0146	224.6851	0.0610	138.8451	0.1474
		31.4851	-0.0285	227.3781	0.0589	135.9051	0.1655
		28.6451	-0.0365	230.1141	0.0583	132.9951	0.1665
		27.2951	-0.0402	232.8281	0.0594	130.2751	0.1694
		29.8451	0.0361	235.5221	0.0624	127.5351	0.1781
		32.6851	-0.0294	238.1551	0.0654	124.9251	0.1773
		35.5751	-0.0189	240.8081	0.0579	122.2351	0.1651
		38.5051	0.0022	243.5421	0.0540	119.4351	0.1848
		41.4551	0.0133	246.2161	0.0573	116.7451	0.1908
		44.3751	0.0317	248.9711	0.0490	114.1351	0.1897
		47.3951	0.0648	251.6461	0.0435	111.4451	0.1898
		50.4151	0.0649	254.4001	0.0414	108.7651	0.1869
		53.4551	0.0771	257.2001	0.0442	106.1451	0.1883
		56.7851	0.0979	260.1571	0.0103	103.3951	0.1881
		59.9451	0.0976	263.0081	0.0165	100.7651	0.1846
		62.9251	0.1110	265.8347	0.0112	97.9851	0.1881
		65.9551	0.1268	267.9775	0.0004	95.3751	0.1875
		68.8451	0.1317	268.2959	0.0007	92.7451	0.1868
		71.8051	0.1374	268.2673	0.0039	90.1151	0.1923
		74.6451	0.1752	268.2959	0.0007	87.4251	0.1846
		77.5451	0.0289			84.7851	0.1910
		80.4251	0.1147			82.0051	0.1817
		83.3351	0.1646			79.2951	0.1859
		86.1751	0.1629			76.3951	0.1598
		89.0151	0.1759			73.7251	0.1676
		91.9451	0.1656			70.9051	0.1507
		94.8051	0.1659			68.0051	0.1488
		97.5651	0.1658			65.2151	0.1388
		100.4451	0.1684			62.3951	0.1242
		103.3351	0.1630			59.6051	0.1178
		106.2351	0.1668			56.8451	0.0989
		109.0551	0.1670			54.0151	0.0867
		111.8651	0.1690			51.2751	0.0800
		114.6251	0.1689			48.5451	0.0639
		117.3751	0.1651			45.7251	0.0409
		120.1351	0.1717			42.9051	0.0255
		122.9551	0.1589			40.1351	0.0156
		125.7051	0.1563			37.2551	0.0049
		128.5251	0.1584			34.3551	-0.0173
		131.3151	0.1537			31.4851	-0.0325
		134.1351	0.1391			28.6451	-0.0427
		136.9051	0.1475			27.2951	-0.0527
		139.7051	0.1418			29.8451	-0.0427
		142.5251	0.1372			32.6851	-0.0343
		145.3351	0.1253			35.5751	-0.0221
		148.1551	0.1171			38.5051	0.0014
		151.1151	0.1312			41.4551	0.0140
		153.9751	0.1667			44.3751	0.0324
		156.7051	0.0467			47.3951	0.0621

Scan 10, 117.8 psig

Reinforced Concrete Test Data

Track 6 - High Pressure Test

50.4151	0.0709	254.4001	0.0433	108.7651	0.2021	148.1551	0.1504
53.4551	0.0771	257.2001	0.0392	106.1451	0.2009	151.1151	0.1631
56.7851	0.1041	260.1571	0.0036	103.3951	0.2036	153.9751	0.1935
59.9451	0.1088	263.0081	0.0099	100.7651	0.2010	156.7051	0.0724
62.9251	0.1163	265.8347	0.0137	97.9851	0.1983	159.5451	0.1420
65.9551	0.1329	267.9775	0.0005	95.3751	0.2011	162.4351	0.1353
68.8451	0.1403	268.2959	-0.0010	92.7451	0.1945	165.2951	0.1366
71.8051	0.1539	268.2673	0.0024	90.1151	0.1975	168.2151	0.1407
74.6451	0.1946	268.2959	-0.0010	87.4251	0.1957	171.0521	0.1248
77.5451	-0.0174			84.7851	0.2075	173.9301	0.1218
80.4251	0.1581			82.0051	0.1996	176.8081	0.1101
83.3351	0.1797			79.2951	0.1976	179.7061	0.1097
86.1751	0.1777			76.3951	0.1742	182.6011	0.1132
89.0151	0.1953	268.3000	-0.0241	73.7251	0.1814	185.5401	0.1077
91.9451	0.1857	266.6489	-0.0161	70.9051	0.1603	188.3791	0.0995
94.8051	0.1854	263.7713	0.0001	68.0051	0.1554	191.2951	0.0821
97.5651	0.1840	260.7629	0.0110	65.2151	0.1457	194.1341	0.0914
100.4451	0.1840	257.7401	0.0157	62.3951	0.1282	196.8491	0.0913
103.3351	0.1836	254.7201	0.0133	59.6051	0.1159	199.8691	0.0836
106.2351	0.1853	252.0461	0.0272	56.8451	0.1093	202.8691	0.0832
109.0551	0.1859	249.2771	0.0375	54.0151	0.0855	205.6651	0.0764
111.8651	0.1855	246.5631	0.0359	51.2751	0.0798	208.4201	0.0560
114.6251	0.1843	243.8281	0.0501	48.5451	0.0617	211.1341	0.0708
117.3751	0.1826	241.1141	0.0485	45.7251	0.0403	213.8281	0.0787
120.1351	0.1901	238.4401	0.0974	42.9051	0.0263	216.5011	0.0750
122.9551	0.1797	235.6451	0.0669	40.1351	0.0149	219.2361	0.0742
125.7051	0.1781	233.1141	0.0652	37.2551	0.0007	221.9501	0.0760
128.5251	0.1783	230.3581	0.0674	34.3551	0.0189	224.6851	0.0706
131.3151	0.1758	227.6451	0.0767	31.4851	-0.0338	227.3781	0.0670
134.1351	0.1598	224.9711	0.0710	28.6451	-0.0442	230.1141	0.0695
136.9051	0.1625	222.3181	0.0891	25.7951	-0.0558	232.8281	0.0682
139.7051	0.1699	219.5841	0.0852	22.8451	-0.0503	235.5221	0.0696
142.5251	0.1546	216.9101	0.0900	20.6851	0.0361	238.1551	0.0700
145.3351	0.1448	214.1941	0.0929	18.5751	-0.0219	240.8081	0.0600
148.1551	0.1356	211.5011	0.0974	16.5051	0.0000	243.5421	0.0577
151.1151	0.1447	208.8481	0.0841	14.4551	0.0101	246.2161	0.0584
153.9751	0.1722	206.0731	0.0724	12.3751	0.0302	248.9711	0.0552
156.7051	0.0664	203.4001	0.0879	10.3951	0.0571	251.6461	0.0459
159.5451	0.1253	200.6651	0.0962	8.4151	0.0703	254.4001	0.0410
162.4351	0.1206	197.9501	0.0971	6.4551	0.0808	257.2001	0.0433
165.2951	0.1221	195.2971	0.1042	4.7651	0.1025	260.1571	0.0055
168.2151	0.1242	192.5831	0.1109	2.9951	0.1111	263.0081	0.0141
171.0521	0.1105	189.8051	0.1083	62.9251	0.1246	265.8447	0.2823
173.9301	0.1084	187.0121	0.1093	65.9551	0.1379	267.9775	-0.0096
176.8081	0.1026	184.2951	0.1243	68.8451	0.1478	268.2959	-0.0115
179.7061	0.0986	181.6441	0.1217	71.8051	0.1651	268.2673	-0.0080
182.6011	0.0999	178.9891	0.1281	74.6451	0.2058	268.2959	-0.0115
185.5401	0.0965	176.2771	0.1234	77.5451	-0.0085		
188.3791	0.0882	173.6621	0.1024	80.4251	0.1633		
191.2951	0.0764	170.9501	0.1165	83.3351	0.1892		
194.1341	0.0826	168.2951	0.1295	86.1751	0.1907	268.3000	-0.0154
196.8491	0.0783	165.6051	0.1347	89.0151	0.2077	266.6489	0.0059
199.8691	0.0742	162.9951	0.1373	91.9451	0.1993	263.7713	0.0103
202.8691	0.0741	160.2951	0.1497	94.8051	0.1985	260.7629	0.0317
205.6651	0.0657	157.7051	0.1150	97.5651	0.1989	257.7401	0.0385
208.4201	0.0472	155.0551	0.1522	100.4451	0.2009	254.7201	0.0490
211.1341	0.0620	152.4351	0.1798	103.3351	0.1998	252.0461	0.0526
213.8281	0.0707	149.7451	0.1708	106.2351	0.1972	249.2771	0.0687
216.5011	0.0657	147.0151	0.1631	109.0551	0.2039	246.5631	0.0748
219.2361	0.0660	144.3551	0.1611	111.8651	0.2010	243.8281	0.0864
221.9501	0.0662	141.6251	0.1652	114.6251	0.2032	241.1141	0.0836
224.6851	0.0682	138.8451	0.1666	117.3751	0.1957	238.4401	0.1292
227.3781	0.0651	135.9051	0.1893	120.1351	0.1991	235.6651	0.1184
230.1141	0.0655	132.9951	0.1896	122.9551	0.1997	233.1141	0.1314
232.8281	0.0644	130.2751	0.1909	125.7051	0.1932	230.3581	0.1309
235.5221	0.0706	127.5351	0.1976	128.5251	0.1933	227.6651	0.1434
238.1551	0.0668	124.9251	0.1971	131.3151	0.1871	224.9711	0.1359
240.8081	0.0552	122.2351	0.1812	134.1351	0.1752	222.3181	0.1493
243.5421	0.0571	119.4351	0.1990	136.9051	0.1837	219.5831	0.1522
246.2161	0.0557	116.7451	0.2072	139.7051	0.1765	216.9101	0.1581
248.9711	0.0592	114.1351	0.2015	142.5251	0.1709	214.1941	0.1612
251.6461	0.0497	111.4451	0.1983	145.3351	0.1644	211.5011	0.1574

Scan 12, 125.8 psig

Reinforced Concrete Test Data

Track 6 - High Pressure Test

208.8481	0.1492	41.4551	0.0162	246.2161	0.0831	116.7451	0.3852
206.0731	0.1451	44.3751	0.0288	248.9711	0.0830	114.1351	0.3773
203.4001	0.1502	47.3951	0.0593	251.6461	0.0760	111.4451	0.3741
200.6651	0.1427	50.4151	0.0703	254.4001	0.0638	108.7651	0.3801
197.9501	0.1534	53.4551	0.0840	257.2001	0.0638	106.1451	0.3663
195.2971	0.1589	56.7851	0.1145	260.1571	0.0209	103.3951	0.3684
192.5831	0.1501	59.9451	0.1264	263.0081	0.0330	100.7651	0.3628
189.8051	0.1490	62.9251	0.1401	265.8347	0.0244	97.9851	0.3451
187.0121	0.1544	65.9551	0.1620	267.9775	0.0092	95.3751	0.3404
184.2951	0.1633	68.8451	0.1755	268.2959	0.0088	92.7451	0.3363
181.6441	0.1738	71.8051	0.1952	268.2673	0.0121	90.1151	0.3329
178.9891	0.1801	74.6451	0.2306	268.2959	0.0088	87.4251	0.3230
176.2771	0.1780	77.5451	0.0201			84.7851	0.3217
173.6621	0.1897	80.4251	0.2137			82.0051	0.3062
170.9501	0.1908	83.3351	0.2312	Scan 13, 130.2 psig		79.2951	0.2860
168.2951	0.2021	86.1751	0.2331	268.3000	0.0111	76.3951	0.2567
165.6051	0.2081	89.0151	0.2558	266.6489	0.0259	73.7251	0.2382
162.9951	0.1979	91.9451	0.2523	263.7713	0.0414	70.9051	0.2312
160.2951	0.2079	94.8051	0.2529	260.7629	0.0595	68.0051	0.2210
157.7051	0.2151	97.5651	0.2543	257.7401	0.0692	65.2151	0.2060
155.0551	0.2085	100.4451	0.2603	254.7201	0.0807	62.3951	0.1826
152.4351	0.2489	103.3351	0.2602	252.0461	0.0914	59.6051	0.1673
149.7451	0.2457	106.2351	0.2573	249.2771	0.1085	56.8451	0.1403
147.0151	0.2379	109.0551	0.2677	246.5631	0.1101	54.0151	0.1252
144.3551	0.2332	111.8651	0.2714	243.8281	0.1324	51.2751	0.1087
141.6251	0.2442	114.6251	0.2759	241.1141	0.1365	48.5451	0.0825
138.8451	0.2508	117.3751	0.2645	238.4401	0.1792	45.7251	0.0532
135.9051	0.2587	120.1351	0.2700	235.6651	0.1538	42.9051	0.0306
132.9951	0.2609	122.9551	0.2703	233.1141	0.1567	40.1351	0.0138
130.2751	0.2675	125.7051	0.2645	230.3581	0.1611	37.2551	0.0029
127.5351	0.2743	128.5251	0.2640	227.6651	0.1757	34.3551	0.0284
124.9251	0.2722	131.3151	0.2617	224.9711	0.1748	31.4851	-0.0507
122.2351	0.2561	134.1351	0.2485	222.3181	0.1935	28.6451	-0.0656
119.4351	0.2741	136.9051	0.2546	219.5831	0.1964	27.2951	-0.0677
116.7451	0.2792	139.7051	0.2501	216.9101	0.2058	29.8451	-0.0596
114.1351	0.2680	142.5251	0.2422	214.1941	0.2120	32.6851	-0.0454
111.4451	0.2704	145.3351	0.2299	211.5011	0.2141	35.5751	-0.0304
108.7651	0.2720	148.1551	0.2212	208.8481	0.2005	38.5051	-0.0053
106.1451	0.2696	151.1151	0.2315	206.0721	0.2121	41.4551	0.0185
103.3951	0.2649	153.9751	0.2713	203.4001	0.2155	44.3751	0.0370
100.7651	0.2619	156.7051	0.1425	200.6651	0.2297	47.3951	0.0733
97.9851	0.2543	159.5451	0.2145	197.9501	0.2340	50.4151	0.0885
95.3751	0.2573	162.4351	0.1996	195.2971	0.2469	53.4551	0.1067
92.7451	0.2531	165.2951	0.2014	192.5831	0.2524	56.7851	0.1380
90.1151	0.2516	168.2151	0.2059	189.8051	0.2490	59.9451	0.1570
87.4251	0.2453	171.0521	0.1865	187.0121	0.2663	62.9251	0.1757
84.7851	0.2464	173.9301	0.1848	184.2951	0.2753	65.9551	0.2009
82.0051	0.2332	176.8081	0.1674	181.6441	0.2788	68.8451	0.2151
79.2951	0.2205	179.7061	0.1609	178.9891	0.2956	71.8051	0.2380
76.3951	0.1872	182.6011	0.1705	176.2771	0.2883	74.6451	0.2821
73.7251	0.2039	185.5401	0.1617	173.6621	0.2724	77.5451	0.0733
70.9051	0.1912	188.3791	0.1481	170.9501	0.2836	80.4251	0.2732
68.0051	0.1767	191.2951	0.1347	168.2951	0.3013	83.3351	0.3002
65.2151	0.1613	194.1341	0.1473	165.6051	0.3057	86.1751	0.3062
62.3951	0.1493	196.8491	0.1433	162.9951	0.3063	89.0151	0.3297
59.6051	0.1387	199.8691	0.1321	160.2951	0.3215	91.9451	0.3265
56.8451	0.1100	202.8691	0.1324	157.7051	0.2866	94.8051	0.3327
54.0151	0.0981	205.6651	0.1132	155.0551	0.3432	97.5651	0.3415
51.2751	0.0880	208.4201	0.1109	152.4351	0.3593	100.4451	0.3493
48.5451	0.0688	211.1341	0.1192	149.7451	0.3525	103.3351	0.3505
45.7251	0.0441	213.8281	0.1184	147.0151	0.3478	106.2351	0.3562
42.9051	0.0291	216.5011	0.1158	144.3551	0.3463	109.0551	0.3656
40.1351	0.0106	219.2361	0.1169	141.6251	0.3530	111.8651	0.3750
37.2551	-0.0020	221.9501	0.1125	138.8451	0.3574	114.6251	0.3761
34.3551	-0.0292	224.6851	0.1115	135.9051	0.3752	117.3751	0.3726
31.4851	-0.0432	227.3781	0.1078	132.9951	0.3786	120.1351	0.3803
28.6451	-0.0551	230.1141	0.1080	130.2751	0.3772	122.9551	0.3792
27.2951	-0.0606	232.8281	0.1042	127.5351	0.3827	125.7051	0.3781
29.8451	-0.0534	235.5221	0.1066	124.9251	0.3827	128.5251	0.3784
32.6851	-0.0412	238.1551	0.1010	122.2351	0.3569	131.3151	0.3763
35.5751	-0.0290	240.8081	0.0906	119.4351	0.3796	134.1351	0.3632
38.5051	-0.0043	243.5421	0.0871			136.9051	0.3660

Reinforced Concrete Test Data

Track 6 - High Pressure Test

139.7051	0.3604	219.5831	0.4739	29.8451	-0.0620	235.5221	0.3703
142.5251	0.3536	216.9101	0.4855	32.6851	-0.0188	238.1351	0.3585
145.3351	0.3436	214.1941	0.4934	35.5751	-0.0159	240.8081	0.3322
148.1551	0.3374	211.5011	0.5046	38.5051	0.0148	243.5421	0.3110
151.1151	0.3425	208.8481	0.4942	41.4551	0.0492	246.2161	0.3002
153.9751	0.3707	206.0731	0.5026	44.3751	0.2773	248.9711	0.2773
156.7051	0.2627	203.4001	0.5100	47.3951	0.1373	251.6461	0.2510
159.5451	0.3251	200.6651	0.5298	50.4151	0.1466	254.4001	0.2349
162.4351	0.3107	197.9501	0.5378	53.4551	0.1793	257.2001	0.2046
165.2951	0.3089	195.2971	0.5492	56.7851	0.2147	260.1571	0.1696
168.2151	0.3021	192.5831	0.5558	59.9451	0.2537	263.0081	0.1450
171.0521	0.2869	189.8051	0.5515	62.9251	0.2746	265.8347	0.1317
173.9301	0.2883	187.0121	0.5601	65.9551	0.3186	267.9775	0.1113
176.8081	0.2692	184.2951	0.5733	68.8451	0.3402	268.2959	0.0962
179.7061	0.2606	181.6441	0.5811	71.8051	0.3769	268.2673	0.0983
182.6011	0.2644	178.9891	0.5964	74.6451	0.4351	268.2959	0.0962
185.5401	0.2590	176.2771	0.6029	77.5451	0.3219		
188.3791	0.2443	173.6621	0.6408	80.4251	0.4771		
191.2951	0.2372	170.9501	0.5930	83.3351	0.4924		
194.1341	0.2363	168.2951	0.6098	86.1751	0.5037		
196.8491	0.2311	165.6051	0.6164	89.0151	0.5080	268.3000	0.2620
199.8691	0.2189	162.9951	0.6194	91.9451	0.5484	266.6489	0.3052
202.8691	0.2162	160.2951	0.6122	94.8051	0.5625	263.7713	0.3477
205.6651	0.1896	157.7051	0.5994	97.5651	0.5820	260.7629	0.4037
208.4201	0.1975	155.0551	0.6654	100.4451	0.6001	257.7401	0.4261
211.1341	0.1999	152.4351	0.6751	103.3351	0.6092	254.7201	0.4646
213.8281	0.2021	149.7451	0.6646	106.2351	0.6255	252.0461	0.4913
216.5011	0.1901	147.0151	0.6596	109.0551	0.6356	249.2771	0.5128
219.2361	0.1936	144.3551	0.6553	111.8651	0.6484	246.5631	0.5665
221.9501	0.1922	141.6251	0.6657	114.6251	0.6557	243.8281	0.6001
224.6851	0.1836	138.8451	0.6664	117.3751	0.6643	241.1141	0.6250
227.3781	0.1734	135.9051	0.6853	120.1351	0.6814	238.4401	0.6918
230.1141	0.1699	132.9951	0.6846	122.9551	0.6769	235.6651	0.7042
232.8281	0.1648	130.2751	0.6872	125.7051	0.6803	233.1141	0.7342
235.5221	0.1598	127.5351	0.6872	128.5251	0.6842	230.3581	0.7529
238.1551	0.1541	124.9251	0.6824	131.3151	0.6770	227.6651	0.7861
240.1141	0.1410	122.2351	0.6543	134.1351	0.6707	224.9711	0.8230
243.5421	0.1369	119.4351	0.6699	136.9051	0.6715	222.3181	0.8360
246.2161	0.1350	116.7451	0.6705	139.7051	0.6706	219.5831	0.8403
248.9711	0.1312	114.1351	0.6524	142.5251	0.6720	216.9101	0.8515
251.6461	0.1189	111.4451	0.6453	145.3351	0.6615	214.1941	0.8674
254.4001	0.1073	108.7651	0.6408	148.1551	0.6429	211.5011	0.8798
257.2001	0.1081	106.1451	0.6154	151.1151	0.6499	208.8481	0.8719
260.1571	0.0825	103.3951	0.6154	153.9751	0.6768	206.0731	0.8802
263.0081	0.0605	100.7651	0.6042	156.7051	0.5817	203.4001	0.8838
265.8347	0.0495	97.9851	0.5874	159.5451	0.6405	200.6651	0.9011
267.9775	0.0322	95.3751	0.5654	162.4351	0.6340	197.9501	0.9153
268.2959	0.0269	92.7451	0.5569	165.2951	0.6317	195.2971	0.9299
		90.1151	0.5460	168.2151	0.6313	192.5831	0.9366
		87.4251	0.5217	171.0521	0.6072	189.8051	0.9396
		84.7851	0.5132	173.9301	0.5962	187.0121	0.9639
		82.0051	0.4783	176.8081	0.5867	184.2951	0.9756
		79.2951	0.4432	179.7061	0.5787	181.6441	0.9795
		76.3951	0.4229	182.6011	0.5726	178.9891	0.9873
		73.7251	0.4097	185.5401	0.5581	176.2771	0.9766
		70.9051	0.3701	188.3791	0.5435	173.6621	0.9815
		68.0051	0.3447	191.2951	0.5237	170.9501	0.9938
		65.2151	0.3128	194.1341	0.5281	168.2951	1.0102
		62.3951	0.2757	196.8491	0.5180	165.6051	1.0156
		59.6051	0.2484	199.8691	0.5043	162.9951	1.0148
		56.8451	0.2292	202.8691	0.4957	160.2951	1.0291
		54.0151	0.1886	205.6651	0.4811	157.7051	0.9862
		51.2751	0.1649	208.4201	0.4566	155.0551	1.0593
		48.5451	0.1321	211.1341	0.4626	152.4351	1.0694
		45.7251	0.0910	213.8281	0.4642	149.7451	1.0497
		42.9051	0.0626	216.5011	0.4582	147.0151	1.0400
		40.1351	0.0419	219.2361	0.4497	144.3551	1.0344
		37.2551	0.0243	221.9501	0.4303	141.6251	1.0447
		34.1551	0.0144	224.6851	0.4192	138.8451	1.0487
		31.4851	-0.0130	227.3781	0.4106	135.9051	1.0589
		28.6451	-0.0630	230.1141	0.3993	132.9951	1.0517
		25.2951	-0.1035	232.8281	0.3836	130.2751	1.0520

Scan 14, 135.3 psi

Scan 15, 140.2 psi

Reinforced Concrete Test Data

Track 6 - High Pressure Test

127.5351	1.0512	128.5251	1.0578	224.9711	1.0947	28.6451	-0.0673
124.9251	1.0498	131.3151	1.0625	222.3181	1.1263	27.2951	-0.0800
122.2351	1.0253	134.1351	1.0572	219.5831	1.1406	29.8451	-0.0597
119.4351	1.0276	136.9051	1.0639	216.9101	1.1590	32.6851	0.0189
116.7451	1.0269	139.7051	1.0567	214.1931	1.1733	35.5751	0.0186
114.1351	1.0041	142.5251	1.0591	211.5011	1.1784	38.5051	0.0699
111.4451	0.9951	145.3351	1.0455	208.8481	1.1650	41.4551	0.1356
108.7651	0.9770	148.1551	1.0283	206.0731	1.1724	44.3751	0.1962
106.1451	0.9657	151.1151	1.0436	203.4001	1.1862	47.3951	0.2764
103.3951	0.9389	153.9751	1.0789	200.6651	1.2121	50.4151	0.3063
100.7651	0.9169	156.7051	0.9499	197.9501	1.2251	53.4551	0.3659
97.9851	0.8923	159.5451	1.0308	195.2971	1.2358	56.7851	0.4344
95.3751	0.8643	162.4351	1.0155	192.5831	1.2449	59.9451	0.5110
92.7451	0.8433	165.2951	1.0149	189.8051	1.2476	62.9251	0.5557
90.1151	0.8230	168.2151	1.0195	187.0121	1.2727	65.9551	0.6313
87.4251	0.7773	171.0521	0.9998	184.2951	1.2901	68.8451	0.6920
84.7851	0.7598	173.9301	0.9978	181.6441	1.2927	71.8051	0.7507
82.0051	0.7189	176.8081	0.9810	178.9891	1.3019	74.6451	0.8267
79.2951	0.6768	179.7061	0.9747	176.2771	1.3072	77.5451	0.8525
76.3951	0.6190	182.6011	0.9712	173.6621	1.3171	80.4251	0.9396
73.7251	0.5977	185.5401	0.9569	170.9501	1.3200	83.3351	0.9992
70.9051	0.5402	188.3791	0.9409	168.2951	1.3229	86.1751	1.0400
68.0051	0.5014	191.2951	0.9216	165.6051	1.3299	89.0151	1.0949
65.2151	0.4589	194.1341	0.9227	162.9951	1.3353	91.9451	1.1338
62.3951	0.4149	196.8491	0.9060	160.2951	1.3575	94.8051	1.1725
59.6051	0.3743	199.8691	0.8884	157.7051	1.3084	97.5651	1.2096
56.8451	0.3338	202.8691	0.8756	155.0551	1.3606	100.4451	1.2460
54.0151	0.2880	205.6651	0.8557	152.4351	1.3915	103.3351	1.2581
51.2751	0.2501	208.4201	0.8261	149.7451	1.3870	106.2351	1.2906
48.5451	0.2098	211.1341	0.8314	147.0151	1.3820	109.0551	1.3087
45.7251	0.1471	213.8281	0.8301	144.3551	1.3780	111.8651	1.3334
42.9051	0.1139	216.5011	0.8151	141.6251	1.3895	114.6251	1.3432
40.1351	0.0775	219.2361	0.8028	138.8451	1.3940	117.3751	1.3576
37.2551	0.0491	221.9501	0.7905	135.9951	1.4066	120.1351	1.3785
34.3551	0.0063	224.6851	0.7697	132.9951	1.4067	122.9551	1.3807
31.4851	-0.0318	227.3781	0.7453	130.2751	1.4013	125.7051	1.3944
28.6451	-0.0607	230.1141	0.7253	127.5351	1.4036	128.5251	1.4017
27.2951	-0.0757	232.8281	0.7018	124.9251	1.3960	131.3151	1.4043
29.8451	-0.0545	235.5221	0.6819	122.2351	1.3615	134.1351	1.3996
32.6851	-0.0249	238.1551	0.6615	119.4351	1.3751	136.9051	1.4009
35.5751	0.0008	240.8081	0.6242	116.7451	1.3755	139.7051	1.4079
38.5051	0.0420	243.5421	0.5978	114.1351	1.3564	142.5251	1.4027
41.4551	0.0932	246.2161	0.5713	111.4451	1.3324	145.3351	1.3898
44.3751	0.1368	248.9711	0.5367	108.7651	1.3168	148.1551	1.3820
47.3951	0.2011	251.6461	0.4984	106.1451	1.2983	151.1151	1.3693
50.4151	0.2177	254.4001	0.4620	103.3951	1.2595	153.9751	1.4039
53.4551	0.2707	257.2001	0.4344	100.7651	1.2484	156.7051	1.2977
56.7851	0.3224	260.1571	0.3675	97.9851	1.2096	159.5451	1.3636
59.9451	0.3699	263.0081	0.3408	95.3751	1.1766	162.4351	1.3512
62.9251	0.4178	265.8347	0.3002	92.7451	1.1484	165.2951	1.3473
65.9551	0.4627	267.9775	0.2611	90.1151	1.1152	168.2151	1.3415
68.8451	0.5143	268.2959	0.2542	87.4251	1.0600	171.0521	1.3198
71.8051	0.5538			84.7851	1.0287	173.9301	1.3205
74.6451	0.6285			82.0051	0.9627	176.8081	1.2946
77.5451	0.5486			79.2951	0.9067	179.7061	1.2935
80.4251	0.6956			76.3951	0.8482	182.6011	1.2882
83.3351	0.7460			73.7251	0.8025	185.5401	1.2620
86.1751	0.7712			70.9051	0.7253	188.3791	1.2419
89.0151	0.8214			68.0051	0.6732	191.2951	1.2217
91.9451	0.8389			65.2151	0.6149	194.1341	1.2262
94.8051	0.8632			62.3951	0.5533	196.8491	1.2198
97.5651	0.8923			59.6051	0.4978	199.8691	1.1925
100.4151	0.9193			56.8451	0.4388	202.8691	1.1861
103.3351	0.9372			54.0151	0.3799	205.6651	1.1603
106.2351	0.9585			51.2751	0.3332	208.4201	1.1427
109.0551	0.9754			48.5451	0.2766	211.1341	1.1476
111.8651	0.9956			45.7251	0.2111	213.8281	1.1454
114.6251	1.0099			42.9051	0.1605	216.5011	1.1310
117.3751	1.0170			40.1351	0.1116	219.2361	1.1153
120.1351	1.0285			37.2551	0.0683	221.9501	1.1037
122.9551	1.0465			34.3551	0.0171	224.6851	1.0739
125.7051	1.0445			31.4851	-0.0330	227.3781	1.0526

Scan 16, 145.8 psig

268.3000	0.2577
266.6489	0.2987
263.7713	0.3633
260.7629	0.4447
257.7401	0.4831
254.7201	0.5628
252.0461	0.6211
249.2771	0.6928
246.5631	0.7413
243.8281	0.8082
241.1141	0.8506
238.4401	0.9420
235.6651	0.9665
233.1141	1.0056
230.3581	1.0365
227.6651	1.0705

Reinforced Concrete Test Data

Track 6 - High Pressure Test

230.1141	1.0225	130.2751	1.1550	125.7051	1.1288
232.8281	0.9926	127.5351	1.1495	128.5251	1.1461
235.5221	0.9670	124.9251	1.1366	131.3151	1.1502
238.1551	0.9298	122.2351	1.1061	134.1351	1.1488
240.8081	0.8773	119.4351	1.1187	136.9051	1.1614
243.5421	0.8280	116.7451	1.1102	139.7051	1.1690
246.2161	0.7861	114.1351	1.0882	142.5251	1.1755
248.9711	0.7375	111.4451	1.0617	145.3351	1.1644
251.6461	0.6786	108.7651	1.0461	148.1551	1.1429
254.4001	0.6189	106.1451	1.0232	151.1151	1.1478
257.2001	0.5578	103.3951	0.9976	153.9751	1.2049
260.1571	0.4732	100.7651	0.9707	156.7051	1.1047
263.0081	0.4295	97.9851	0.9396	159.5451	1.1529
265.8347	0.3682	95.3751	0.9117	162.4351	1.1411
267.9775	0.3200	92.7451	0.8828	165.2951	1.1443
268.2959	0.3126	90.1151	0.8487	168.2151	1.1513
268.2673	0.3147	87.4251	0.8098	171.0521	1.1343
		84.7851	0.7801	173.9301	1.1263
		82.0051	0.7303	176.8081	1.1106
		79.2951	0.6794	179.7061	1.1068
		76.3951	0.6148	182.6011	1.1051
		73.7251	0.5980	185.5401	1.0899
		70.9051	0.5256	188.3791	1.0784
		68.0051	0.4862	191.2951	1.0569
		65.2151	0.4429	194.1341	1.0591
		62.3951	0.3951	196.8491	1.0500
		59.6051	0.3578	199.8691	1.0396
		56.8451	0.3132	202.8691	1.0285
		54.0151	0.2756	205.6651	1.0225
		51.2751	0.2382	208.4201	0.9913
		48.5451	0.2035	211.1341	0.9914
		45.7251	0.1627	213.8281	0.9869
		42.9051	0.1287	216.5011	0.9666
		40.1351	0.0986	219.2361	0.9564
		37.2551	0.0688	221.9501	0.9430
		34.3551	0.0326	224.6851	0.9181
		31.4851	0.0010	227.3761	0.9028
		28.6451	-0.0168	230.1141	0.8750
		27.2951	-0.0240	232.8281	0.8530
		29.8451	-0.0139	235.5221	0.8258
		32.6851	0.0087	238.1551	0.7941
		35.5751	0.0301	240.8081	0.7464
		38.5051	0.0646	243.5421	0.7058
		41.4551	0.1049	246.2161	0.6719
		44.4751	0.1354	248.9711	0.6258
		47.3951	0.1943	251.6461	0.5835
		50.4151	0.2200	254.4001	0.5319
		53.4551	0.2624	257.2001	0.4755
		56.7851	0.3156	260.1571	0.4028
		59.0451	0.3577	263.0081	0.3574
		62.9251	0.4000	265.8347	0.3158
		65.9551	0.4505	267.9775	0.2664
		68.8451	0.4979	268.2959	0.2595
		71.8051	0.5436	268.2673	0.2634
		74.6451	0.6550	268.2959	0.2595
		77.5451	0.6124	END	
		80.4251	0.7010		
		83.3351	0.7507		
		86.1751	0.7766		
		89.0151	0.8217		
		91.9451	0.8699		
		94.8051	0.9019		
		97.5651	0.9344		
		100.4451	0.9651		
		103.3351	0.9786		
		106.2351	1.0211		
		109.0551	1.0370		
		111.8651	1.0639		
		114.6251	1.0714		
		117.3751	1.0921		
		120.1351	1.1174		
		122.9551	1.1217		

scan 17, 0 psig (posttest)

268.3000	0.2374
266.6489	0.2683
263.7713	0.3150
260.7629	0.3871
257.7401	0.4087
254.7201	0.4879
252.0461	0.5322
249.2771	0.5919
246.5631	0.6338
243.8281	0.6925
241.1141	0.7205
238.4401	0.8082
235.6651	0.8032
233.1141	0.8446
230.3581	0.8692
227.6651	0.9002
224.9711	0.9211
222.3181	0.9539
219.5831	0.9671
216.9101	0.9878
214.1941	0.9994
211.5011	1.0117
208.8481	1.0202
206.0731	1.0280
203.4001	1.0358
200.6651	1.0561
197.9501	1.0642
195.2971	1.0787
192.5831	1.0836
189.8051	1.0871
187.0121	1.0995
184.2951	1.1128
181.6441	1.1190
178.9891	1.1164
176.2771	1.1213
173.6621	1.1314
170.9501	1.1210
168.2951	1.1332
165.6051	1.1322
162.9951	1.1342
160.2951	1.1538
157.7051	1.1459
155.0551	1.1853
152.4351	1.1888
149.7451	1.1596
147.0151	1.1563
144.3551	1.1486
141.6251	1.1706
138.8451	1.1668
135.9051	1.1649
132.9951	1.1585

Reinforced Concrete Test Data

Track 7 - High Pressure Test

Scan 1, 112 psig		87.0822	0.0949	66.3392	0.1012	40.7042	0.0513
101.6250	0.0739	81.4942	0.1033	63.7912	0.0971	38.1082	0.0446
100.0824	0.0770	81.8592	0.0973	61.2172	0.0912	35.5682	0.0421
97.6027	0.0806	79.2372	0.0997	58.6492	0.0914	32.9742	0.0229
95.0012	0.0759	76.6422	0.1007	56.0482	0.0901	30.4062	0.0118
92.3864	0.0766	74.0752	0.1020	53.4872	0.0800	28.0552	0.0096
89.7042	0.0816	71.4812	0.0930	50.9532	0.0802	30.0752	0.0044
87.0822	0.0782	68.9982	0.0879	48.3722	0.0614	32.5622	0.0220
84.4942	0.0830	66.3392	0.0906	45.7982	0.0566	35.1822	0.0328
81.8592	0.0815	63.7912	0.0833	43.2442	0.0522	37.8112	0.0461
79.2372	0.0808	61.2172	0.0763	40.7042	0.0383	40.4472	0.0514
76.6422	0.0874	58.6492	0.0768	38.1082	0.0362	43.0282	0.0617
74.0752	0.0897	56.0482	0.0733	35.5682	0.0249	45.6222	0.0752
71.4812	0.0791	53.4872	0.0590	32.9742	0.0167	48.1902	0.0872
68.9982	0.0771	50.9532	0.0642	30.4062	0.0090	50.7902	0.0942
66.3392	0.0753	48.3722	0.0536	28.0552	0.0058	53.3172	0.0960
63.7912	0.0724	45.7982	0.0462	30.0752	0.0080	55.9202	0.1114
61.2172	0.0672	43.2442	0.0464	32.5622	0.0176	58.5152	0.1174
58.6492	0.0706	40.7042	0.0349	35.1822	0.0262	61.1022	0.1211
56.0482	0.0719	38.1082	0.0345	37.8112	0.0456	63.6092	0.1250
53.4872	0.0559	35.5682	0.0223	40.4472	0.0432	66.1762	0.1283
50.9532	0.0615	32.9742	0.0161	43.0282	0.0476	68.7382	0.1362
48.3722	0.0439	30.4062	0.0088	45.6222	0.0606	71.2372	0.1406
45.7982	0.0369	28.0552	0.0079	48.1902	0.0668	73.7852	0.1467
43.2442	0.0390	30.0752	0.0102	50.7902	0.0704	76.3252	0.1490
40.7042	0.0257	32.5622	0.0171	53.3172	0.0714	79.1762	0.1543
38.1082	0.0270	35.1822	0.0246	55.9202	0.0605	81.8052	0.1509
35.5682	0.0214	37.8112	0.0132	58.5152	0.0912	84.3522	0.1513
32.9742	0.0142	40.4472	0.0643	61.1022	0.0996	86.8862	0.1505
30.4062	0.0128	43.0282	0.0441	63.6092	0.1060	89.4132	0.1513
28.0552	0.0064	45.6222	0.0548	66.1762	0.1072	91.9540	0.1514
30.0752	0.0088	48.1902	0.0596	68.7382	0.1151	94.4810	0.1491
32.5622	0.0164	50.7902	0.0643	71.2372	0.1168	96.9877	0.1503
35.1822	0.0239	52.3172	0.0646	73.7852	0.1194	99.4607	0.1483
37.8112	0.0386	55.9202	0.0779	76.3252	0.1072	101.3371	0.1485
40.4472	0.0257	58.5152	0.0829	79.1762	0.1107	101.5351	0.1473
43.0282	0.0383	61.1022	0.0903	81.8052	0.1153	101.5310	0.1471
45.6222	0.0446	63.6092	0.0901	84.3522	0.1157		
48.1902	0.0513	66.1762	0.0948	86.8862	0.1120		
50.7902	0.0550	68.7382	0.0952	89.4132	0.1123		
53.3172	0.0548	71.2372	0.0951	91.9540	0.1139		
55.9202	0.0650	73.7852	0.1009	94.4810	0.1060		
58.5152	0.0656	76.3252	0.0993	96.9877	0.1059		
61.1022	0.0722	79.1762	0.0972	99.4607	0.1028		
63.6092	0.0754	81.8052	0.1006	101.3371	0.1051		
66.1762	0.0762	84.3522	0.0992	101.5351	0.1061		
68.7382	0.0794	86.8862	0.1004				
71.2372	0.0810	89.4132	0.1008				
73.7852	0.0874	91.9540	0.0986				
76.3252	0.0729	94.4810	0.0970				
79.1762	0.0819	96.9877	0.0977				
81.8052	0.0829	99.4607	0.0944				
84.3522	0.0827	101.3371	0.0936				
86.8862	0.0856	101.5351	0.0942				
89.4132	0.0822	101.5310	0.0942				
91.9540	0.0827						
94.4810	0.0766						
96.9877	0.0789						
99.4607	0.0782						
101.3371	0.0782						
101.5351	0.0768						
101.5310	0.0767						
Scan 2, 50.6 psig							
101.6250	0.0903						
100.0824	0.0956						
97.6027	0.0987						
95.0012	0.0959						
92.3864	0.1006						
89.7042	0.1002						
Scan 3, 69.3 psig							
101.6250	0.1068						
100.0824	0.1053						
97.6027	0.1085						
95.0012	0.1047						
92.3864	0.1081						
89.7042	0.1137						
87.0822	0.1098						
84.4942	0.1130						
81.8592	0.1126						
79.2372	0.1126						
76.6422	0.1137						
74.0752	0.1148						
71.4812	0.1070						
68.9982	0.1025						
Scan 4, 80.2 psig							
101.6250	0.1475						
100.0824	0.1529						
97.6027	0.1510						
95.0012	0.1517						
92.3864	0.1461						
89.7042	0.1486						
87.0822	0.1480						
84.4942	0.1485						
81.8592	0.1438						
79.2372	0.1530						
76.6422	0.1435						
74.0752	0.1570						
71.4812	0.1388						
68.9982	0.1306						
66.3392	0.1279						
63.7912	0.1232						
61.2172	0.1184						
58.6492	0.1129						
56.0482	0.1107						
53.4872	0.0821						
50.9532	0.0987						
48.3722	0.0814						
45.7982	0.0718						
43.2442	0.0640						
Scan 5, 90.6 psig							
101.6250	0.1699						
100.0824	0.1682						
97.6027	0.1726						
95.0012	0.1707						
92.3864	0.1674						
89.7042	0.1712						
87.0822	0.1670						
84.4942	0.1695						
81.8592	0.1665						
79.2372	0.1564						
76.6422	0.1648						
74.0752	0.1679						
71.4812	0.1633						
68.9982	0.1593						
66.3392	0.1495						
63.7912	0.1413						
61.2172	0.1383						
58.6492	0.1304						
56.0482	0.1270						
53.4872	0.1140						
50.9532	0.1041						
48.3722	0.0980						
45.7982	0.0829						
43.2442	0.0718						
40.7042	0.0609						
38.1082	0.0512						
35.5682	0.0387						
32.9742	0.0248						
30.4062	0.0192						
28.0552	0.0096						
30.0752	0.0117						

Reinforced Concrete Test Data

Track 7 - High Pressure Test

52.5612	0.1357	89.4132	0.2188
55.1812	0.1301	91.9540	0.2191
57.8112	0.1314	94.4810	0.2188
60.4412	0.1315	96.9877	0.2201
63.0712	0.1303	99.4607	0.2177
65.7012	0.1303	101.3371	0.2192
68.3312	0.1303	101.5351	0.2179
70.9612	0.1309	101.5310	0.2178
73.5912	0.1309		
76.2212	0.1309		
78.8512	0.1311		
81.4812	0.1311		
84.1112	0.1306		
86.7412	0.1308		
89.3712	0.1308		
92.0012	0.1308		
94.6312	0.1308		
97.2612	0.1308		
99.8912	0.1308		
102.5212	0.1308		
105.1512	0.1308		
107.7812	0.1308		
110.4112	0.1308		
113.0412	0.1308		
115.6712	0.1308		
118.3012	0.1308		
120.9312	0.1308		
123.5612	0.1308		
126.1912	0.1308		
128.8212	0.1308		
131.4512	0.1308		
134.0812	0.1308		
136.7112	0.1308		
139.3412	0.1308		
141.9712	0.1308		
144.6012	0.1308		
147.2312	0.1308		
149.8612	0.1308		
152.4912	0.1308		
155.1212	0.1308		
157.7512	0.1308		
160.3812	0.1308		
163.0112	0.1308		
165.6412	0.1308		
168.2712	0.1308		
170.9012	0.1308		
173.5312	0.1308		
176.1612	0.1308		
178.7912	0.1308		
181.4212	0.1308		
184.0512	0.1308		
186.6812	0.1308		
189.3112	0.1308		
191.9412	0.1308		
194.5712	0.1308		
197.2012	0.1308		
199.8312	0.1308		
202.4612	0.1308		
205.0912	0.1308		
207.7212	0.1308		
210.3512	0.1308		
212.9812	0.1308		
215.6112	0.1308		
218.2412	0.1308		
220.8712	0.1308		
223.5012	0.1308		
226.1312	0.1308		
228.7612	0.1308		
231.3912	0.1308		
234.0212	0.1308		
236.6512	0.1308		
239.2812	0.1308		
241.9112	0.1308		
244.5412	0.1308		
247.1712	0.1308		
249.8012	0.1308		
252.4312	0.1308		
255.0612	0.1308		
257.6912	0.1308		
260.3212	0.1308		
262.9512	0.1308		
265.5812	0.1308		
268.2112	0.1308		
270.8412	0.1308		
273.4712	0.1308		
276.1012	0.1308		
278.7312	0.1308		
281.3612	0.1308		
283.9912	0.1308		
286.6212	0.1308		
289.2512	0.1308		
291.8812	0.1308		
294.5112	0.1308		
297.1412	0.1308		
299.7712	0.1308		
302.4012	0.1308		
305.0312	0.1308		
307.6612	0.1308		
310.2912	0.1308		
312.9212	0.1308		
315.5512	0.1308		
318.1812	0.1308		
320.8112	0.1308		
323.4412	0.1308		
326.0712	0.1308		
328.7012	0.1308		
331.3312	0.1308		
333.9612	0.1308		
336.5912	0.1308		
339.2212	0.1308		
341.8512	0.1308		
344.4812	0.1308		
347.1112	0.1308		
349.7412	0.1308		
352.3712	0.1308		
355.0012	0.1308		
357.6312	0.1308		
360.2612	0.1308		
362.8912	0.1308		
365.5212	0.1308		
368.1512	0.1308		
370.7812	0.1308		
373.4112	0.1308		
376.0412	0.1308		
378.6712	0.1308		
381.3012	0.1308		
383.9312	0.1308		
386.5612	0.1308		
389.1912	0.1308		
391.8212	0.1308		
394.4512	0.1308		
397.0812	0.1308		
399.7112	0.1308		
402.3412	0.1308		
404.9712	0.1308		
407.6012	0.1308		
410.2312	0.1308		
412.8612	0.1308		
415.4912	0.1308		
418.1212	0.1308		
420.7512	0.1308		
423.3812	0.1308		
426.0112	0.1308		
428.6412	0.1308		
431.2712	0.1308		
433.9012	0.1308		
436.5312	0.1308		
439.1612	0.1308		
441.7912	0.1308		
444.4212	0.1308		
447.0512	0.1308		
449.6812	0.1308		
452.3112	0.1308		
454.9412	0.1308		
457.5712	0.1308		
460.2012	0.1308		
462.8312	0.1308		
465.4612	0.1308		
468.0912	0.1308		
470.7212	0.1308		
473.3512	0.1308		
475.9812	0.1308		
478.6112	0.1308		
481.2412	0.1308		
483.8712	0.1308		
486.5012	0.1308		
489.1312	0.1308		
491.7612	0.1308		
494.3912	0.1308		
497.0212	0.1308		
499.6512	0.1308		
502.2812	0.1308		
504.9112	0.1308		
507.5412	0.1308		
510.1712	0.1308		
512.8012	0.1308		
515.4312	0.1308		
518.0612	0.1308		
520.6912	0.1308		
523.3212	0.1308		
525.9512	0.1308		
528.5812	0.1308		
531.2112	0.1308		
533.8412	0.1308		
536.4712	0.1308		
539.1012	0.1308		
541.7312	0.1308		
544.3612	0.1308		
546.9912	0.1308		
549.6212	0.1308		
552.2512	0.1308		
554.8812	0.1308		
557.5112	0.1308		
560.1412	0.1308		
562.7712	0.1308		
565.4012	0.1308		
568.0312	0.1308		
570.6612	0.1308		
573.2912	0.1308		
575.9212	0.1308		
578.5512	0.1308		
581.1812	0.1308		
583.8112	0.1308		
586.4412	0.1308		
589.0712	0.1308		
591.7012	0.1308		
594.3312	0.1308		
596.9612	0.1308		
599.5912	0.1308		
602.2212	0.1308		
604.8512	0.1308		
607.4812	0.1308		
610.1112	0.1308		
612.7412	0.1308		
615.3712	0.1308		
618.0012	0.1308		
620.6312	0.1308		
623.2612	0.1308		
625.8912	0.1308		
628.5212	0.1308		
631.1512	0.1308		
633.7812	0.1308		
636.4112	0.1308		
639.0412	0.1308		
641.6712	0.1308		
644.3012	0.1308		
646.9312	0.1308		
649.5612	0.1308		
652.1912	0.1308		
654.8212	0.1308		
657.4512	0.1308		
660.0812	0.1308		
662.7112	0.1308		
665.3412	0.1308		
667.9712	0.1308		
670.6012	0.1308		
673.2312	0.1308		
675.8612	0.1308		
678.4912	0.1308		
681.1212	0.1308		
683.7512	0.1308		
686.3812	0.1308		
689.0112	0.1308		
691.6412	0.1308		
694.2712	0.1308		
696.9012	0.1308		
699.5312	0.1308		
702.1612	0.1308		
704.7912	0.1308		
707.4212	0.1308		
710.0512	0.1308		
712.6812	0.1308		
715.3112	0.1308		
717.9412	0.1308		
720.5712	0.1308		
723.2012	0.1308		
725.8312	0.1308		
728.4612	0.1308		
731.0912	0.1308		
733.7212	0.1308		
736.3512	0.1308		
738.9812	0.1308		
741.6112	0.1308		
744.2412	0.1308		
746.8712	0.1308		
749.5012	0.1308		
752.1312	0.1308		
754.7612	0.1308		
757.3912	0.1308		
760.0212	0.1308		
762.6512	0.1308		
765.2812	0.1308		
767.9112	0.1308		
770.5412	0.1308		
773.1712	0.1308		
775.8012	0.1308		
778.4312	0.1308		
781.0612	0.1308		
783.6912	0.1308		
786.3212	0.1308		
788.9512	0.1308		
791.5812	0.1308		
794.2112	0.1308		
796.8412	0.1308		
799.4712	0.1308		
802.1012	0.1308		
804.7312	0.1308		
807.3612	0.1308		
810.0012	0.1308		
812.6312	0.1308		
815.2612	0.1308		
817.8912	0.1308		
820.5212	0.1308		
823.1512	0.1308		
825.7812	0.1308		
828.4112	0.1308		
831.0412	0.1308		
833.6712	0.1308		
836.3012	0.1308		
838.9312	0.1308		
841.5612	0.1308		
844.1912	0.1308		
846.8212	0.1308		
849.4512	0.1308		
852.0812	0.1308		
854.7112	0.1308		
857.3412	0.1308		
860.0012	0.1308		
862.6312	0.1308		
865.2612	0.1308		
867.8912	0.1308		
870.5212	0.1308		
873.1512	0.1308		
875.7812	0.1308		
878.4112	0.1308		
881.0412	0.1308		
883.6712	0.1308		
886.3012	0.1308		
888.9312	0.1308		
891.5612	0.1308		

Reinforced Concrete Test Data

Track 7 - High Pressure Test

101.5310	0.2339	97.6027	0.2748	76.6422	0.2629	58.6492	0.2327
		95.0012	0.2752	74.0752	0.2907	56.0482	0.2157
		92.3864	0.2705	71.4812	0.2592	53.4872	0.1910
Scan 10, 117.8 psig		89.7042	0.2726	68.9002	0.2462	50.9532	0.1895
		87.0822	0.2657	66.3392	0.2309	48.3722	0.1480
101.6250	0.2498	84.4942	0.2621	63.7912	0.2203	45.7982	0.1348
100.0824	0.2534	81.8592	0.2512	61.2172	0.2119	43.2442	0.1215
97.6027	0.2551	79.2472	0.2548	58.6492	0.1948	40.7042	0.0853
95.0012	0.2570	76.6422	0.2480	56.0482	0.1845	38.1082	0.0681
92.3864	0.2514	74.0752	0.2541	53.4872	0.1629	35.5682	0.0455
89.7042	0.2503	71.4812	0.2396	50.9532	0.1696	32.9742	0.0240
87.0822	0.2486	68.9002	0.2290	48.3722	0.1283	30.4062	0.0071
84.4942	0.2469	66.3392	0.2153	45.7982	0.1137	28.0552	-0.0214
81.8592	0.2357	63.7912	0.2075	43.2442	0.0958	30.0752	0.0032
79.2472	0.2208	61.2172	0.1920	40.7042	0.0696	32.5622	0.0189
76.6422	0.2347	58.6492	0.1801	38.1082	0.0545	35.1822	0.0465
74.0752	0.2412	56.0482	0.1730	35.5682	0.0314	37.8112	0.0726
71.4812	0.2300	53.4872	0.1591	32.9742	0.0163	40.4472	0.0821
68.9002	0.2154	50.9532	0.1504	30.4062	0.0026	43.0282	0.0984
66.3392	0.2006	48.3722	0.1285	28.0552	-0.0098	45.6222	0.1178
63.7912	0.1967	45.7982	0.1064	30.0752	0.0073	48.1902	0.1457
61.2172	0.1873	43.2442	0.0954	32.5622	0.0176	50.7902	0.1604
58.6492	0.1768	40.7042	0.0723	35.1822	0.0365	53.3172	0.1739
56.0482	0.1652	38.1082	0.0602	37.8112	0.0595	55.9202	0.2070
53.4872	0.1505	35.5682	0.0439	40.4472	0.0690	58.5152	0.2247
50.9532	0.1320	32.9742	0.0290	43.0282	0.0898	61.1022	0.2414
48.3722	0.1256	30.4062	0.0135	45.6222	0.1073	63.6092	0.2607
45.7982	0.1050	28.0552	-0.0005	48.1902	0.1300	66.1762	0.2767
43.2442	0.0889	30.0752	0.0088	50.7902	0.1369	68.7382	0.2954
40.7042	0.0680	32.5622	0.0218	53.3172	0.1487	71.2372	0.3101
38.1082	0.0592	35.1822	0.0393	55.9202	0.1737	73.7852	0.3374
35.5682	0.0392	37.8112	0.0657	58.5152	0.1873	76.3252	0.3195
32.9742	0.0269	40.4472	0.0701	61.1022	0.2068	79.1762	0.3535
30.4062	0.0165	43.0282	0.0823	63.6092	0.2166	81.8052	0.3526
28.0552	0.0017	45.6222	0.0925	66.1762	0.2272	84.3522	0.3692
30.0752	0.0061	48.1902	0.1214	68.7382	0.2427	86.8862	0.3766
32.5622	0.0254	50.7902	0.1345	71.2372	0.2558	89.4132	0.3818
35.1822	0.0360	53.3172	0.1428	73.7852	0.2730	91.9540	0.3870
37.8112	0.0626	55.9202	0.1676	76.3252	0.2579	94.4810	0.3865
40.4472	0.0659	58.5152	0.1756	79.1762	0.2723	96.9877	0.3952
43.0282	0.0786	61.1022	0.1931	81.8052	0.2854	99.4607	0.3906
45.6222	0.1012	63.6092	0.2018	84.3522	0.2938	101.3371	0.3910
48.1902	0.1189	66.1762	0.2197	86.8862	0.3002	101.5351	0.3895
50.7902	0.1263	68.7382	0.2251	89.4132	0.3024	101.5310	0.3895
53.3172	0.1340	71.2372	0.2376	91.9540	0.3101		
55.9202	0.1586	73.7852	0.2529	94.4810	0.3051		
58.5152	0.1658	76.3252	0.2573	96.9877	0.3119	Scan 14, 135.3 psig	
61.1022	0.1813	79.1762	0.2524	99.4607	0.3056	101.6250	0.5786
63.6092	0.1908	81.8052	0.2551	101.3371	0.3084	100.0824	0.5784
66.1762	0.2004	84.3522	0.2631	101.5351	0.3069	97.6027	0.5729
68.7382	0.2146	86.8862	0.2674	101.5310	0.3069	95.0012	0.5738
71.2472	0.2220	89.4132	0.2714			92.3864	0.5681
73.7852	0.2294	91.9540	0.2779	Scan 13, 130.2 psig		89.7042	0.5604
76.3252	0.2221	94.4810	0.2706	101.6250	0.3864	87.0822	0.5463
79.1762	0.2260	96.9877	0.2779	100.0824	0.3866	84.4942	0.5379
81.8052	0.2400	99.4607	0.2749	97.6027	0.3863	81.8592	0.5141
84.3522	0.2462	101.3371	0.2771	95.0012	0.3866	79.2472	0.5166
86.8862	0.2495	101.5351	0.2748	92.3864	0.3809	76.6422	0.4757
89.4132	0.2522	101.5310	0.2748	89.7042	0.3821	74.0752	0.4841
91.9540	0.2553			87.0822	0.3742	71.4812	0.4421
94.4810	0.2545	Scan 12, 125.8 psig		84.4942	0.3674	68.9002	0.4125
96.9877	0.2577	101.6250	0.3074	81.8592	0.3518	66.3392	0.3843
99.4607	0.2548	100.0824	0.3084	79.2472	0.3489	63.7912	0.3604
101.3371	0.2574	97.6027	0.3106	76.6422	0.3329	61.2172	0.3333
101.5351	0.2567	95.0012	0.3083	74.0752	0.3348	58.6492	0.3044
101.5310	0.2566	92.3864	0.3036	71.4812	0.3146	56.0482	0.2829
		89.7042	0.3035	68.9002	0.2953	53.4872	0.2472
Scan 11, 120.9 psig		87.0822	0.2964	66.3392	0.2818	50.9532	0.2435
101.6250	0.2733	84.4942	0.2929	63.7912	0.2617	48.3722	0.1944
100.0824	0.2730	81.8592	0.2785	61.2172	0.2449	45.7982	0.1668
		79.2472	0.2684			43.2442	0.1433

Reinforced Concrete Test Data

Track 7 - High Pressure Test

40.7042	0.1081	32.5622	0.0911	50.7902	0.4260	68.7382	0.5512
38.1082	0.0832	35.1822	0.0867	53.3172	0.4704	71.2372	0.5898
35.5682	0.0550	37.8112	0.1290	55.9202	0.5347	73.7852	0.6379
32.9742	0.0275	40.4472	0.1561	58.5152	0.5812	76.3252	0.6715
30.4062	0.0041	43.0282	0.1903	61.1022	0.6411	79.1762	0.7118
28.0552	0.0129	45.6222	0.2282	63.6092	0.6955	81.8052	0.7607
30.0752	0.0066	48.1902	0.2689	66.1762	0.7496	84.3522	0.7857
32.5622	0.0257	50.7902	0.3021	68.7382	0.8092	86.8862	0.8079
35.1822	0.0552	53.3172	0.3349	71.2372	0.8621	89.4132	0.8306
37.8112	0.0899	55.9202	0.3841	73.7852	0.9314	91.9540	0.8468
40.4472	0.1068	58.5152	0.4231	76.3252	0.9432	94.4810	0.8471
43.0282	0.1319	61.1022	0.4610	79.1762	1.0305	96.9877	0.8588
45.6222	0.1640	63.6092	0.4986	81.8052	1.0657	99.4607	0.8581
48.1902	0.1918	66.1762	0.5369	84.3522	1.1085	101.5351	0.8659
50.7902	0.2129	68.7382	0.5756	86.8862	1.1296	101.5351	0.8633
53.3172	0.2356	71.2372	0.6154	89.4132	1.1599	101.5310	0.8633
55.9202	0.2747	73.7852	0.6639	91.9540	1.1807		
58.5152	0.3005	76.3252	0.6857	94.4810	1.1792		
61.1022	0.3306	79.1762	0.7309	96.9877	1.2098		
63.6092	0.3565	81.8052	0.7553	99.4607	1.1882		
66.1762	0.3797	84.3522	0.7818	101.3371	1.1922		
68.7382	0.4117	86.8862	0.8024	101.5351	1.1910		
71.2372	0.4328	89.4132	0.8170	101.5310	1.1909		
73.7852	0.4618	91.9540	0.8320				
76.3252	0.4696	94.4810	0.8332				
79.1762	0.5019	96.9877	0.8475				
81.8052	0.5238	99.4607	0.8420				
84.3522	0.5431	101.3371	0.8440				
86.8862	0.5530	101.5351	0.8430				
89.4132	0.5622	101.5310	0.8430				
91.9540	0.5696						
94.4810	0.5731						
96.9877	0.5819						
99.4607	0.5804						
101.3371	0.5810						
101.5351	0.5803						
101.5310	0.5802						
Scan 15, 140.2 psig		Scan 16, 145.8 psig		Scan 17, 0 psig (posttest)		END	
101.6250	0.8430	101.6250	1.1838	101.6250	0.8616		
100.0824	0.8435	100.0824	1.1880	100.0824	0.8632		
97.6027	0.8398	97.6027	1.1899	97.6027	0.8524		
95.0012	0.8434	95.0012	1.1706	95.0012	0.8493		
92.3864	0.8295	92.3864	1.1672	92.3864	0.8392		
89.7042	0.8207	89.7042	1.1508	89.7042	0.8247		
87.0822	0.8027	87.0822	1.1278	87.0822	0.8025		
84.4942	0.7869	84.4942	1.1052	84.4942	0.7859		
81.8592	0.7462	81.8592	1.0540	81.8592	0.7499		
79.2372	0.7334	79.2372	1.0352	79.2372	0.7272		
76.6422	0.6903	76.6422	0.9687	76.6422	0.6855		
74.0752	0.6697	74.0752	0.9337	74.0752	0.6589		
71.4812	0.6186	71.4812	0.8654	71.4812	0.5928		
68.9002	0.5706	68.9002	0.8097	68.9002	0.5473		
66.3392	0.5318	66.3392	0.7487	66.3392	0.5050		
63.7912	0.4977	63.7912	0.6970	63.7912	0.4688		
61.2172	0.4576	61.2172	0.6394	61.2172	0.4295		
58.6492	0.4220	58.6492	0.5901	58.6492	0.3924		
56.0482	0.3860	56.0482	0.5430	56.0482	0.3602		
53.4872	0.3427	53.4872	0.4827	53.4872	0.3065		
50.9532	0.3246	50.9532	0.4509	50.9532	0.2989		
48.3722	0.2708	48.3722	0.3805	48.3722	0.2559		
45.7982	0.2268	45.7982	0.3227	45.7982	0.2227		
43.2442	0.1935	43.2442	0.2769	43.2442	0.1924		
40.7042	0.1551	40.7042	0.2248	40.7042	0.1601		
38.1082	0.1233	38.1082	0.1824	38.1082	0.1344		
35.5682	0.0963	35.5682	0.1352	35.5682	0.1031		
32.9742	0.0544	32.9742	0.0903	32.9742	0.0755		
30.4062	0.0225	30.4062	0.0504	30.4062	0.0527		
28.0552	0.0022	28.0552	0.0084	28.0552	0.0295		
30.0752	0.0074	30.0752	0.0307	30.0752	0.0421		
		32.5622	0.0842	32.5622	0.0734		
		35.1822	0.1365	35.1822	0.1017		
		37.8112	0.1903	37.8112	0.1430		
		40.4472	0.2270	40.4472	0.1617		
		43.0282	0.2730	43.0282	0.1910		
		45.6222	0.3238	45.6222	0.2247		
		48.1902	0.3796	48.1902	0.2567		
				50.7902	0.2878		
				53.3172	0.3152		
				55.9202	0.3588		
				58.5152	0.3950		
				61.1022	0.4383		
				63.6092	0.4733		
				66.1762	0.5084		

Reinforced Concrete Test Data

Track 8 - High Pressure Test

Scan 1, 49.2 psig		70.5335	0.0746	184.0655	0.0737	169.9825	0.0964
267.1000	0.0448	67.7335	0.0725	186.7615	0.0768	167.2035	0.1044
265.3715	0.0519	64.8735	0.0689	189.5755	0.0753	164.3735	0.0984
262.5386	0.0614	62.1835	0.0649	192.2895	0.0754	161.6535	0.0874
259.3919	0.0616	59.3435	0.0652	195.0465	0.0707	158.8435	0.0882
256.1125	0.0560	56.5735	0.0670	197.8225	0.0764	156.0635	0.0940
252.8835	0.0512	53.7435	0.0600	200.4755	0.0742	153.1835	0.0910
249.8425	0.0505	50.9235	0.0522	203.4755	0.0677	150.3335	0.1161
246.9245	0.0574	48.1035	0.0461	206.1675	0.0688	147.4335	0.1027
244.1085	0.0694	45.3235	0.0435	208.8835	0.0703	144.5535	0.1010
241.2505	0.0607	42.5535	0.0491	211.4945	0.0575	141.6935	0.1010
238.4545	0.0557	39.7935	0.0418	214.2305	0.0734	138.8035	0.0997
235.6595	0.0559	37.0235	0.0360	216.9235	0.0721	135.9235	0.0999
232.8615	0.0602	34.1635	0.0162	219.6595	0.0684	132.9835	0.0886
230.0665	0.0670	31.3235	0.0224	222.3125	0.0720	129.7035	0.0892
227.2715	0.0656	28.7735	0.0350	225.0055	0.0710	126.7435	0.0982
224.5765	0.0697	26.2235	0.0350	227.6995	0.0587	123.8235	0.0995
221.8425	0.0601	23.6835	0.0419	230.3535	0.0555	121.0035	0.1034
219.1275	0.0647	21.5335	0.0100	233.0865	0.0838	118.1935	0.0984
216.3525	0.0868	19.6935	0.0274	235.8425	0.0553	115.4535	0.1092
213.6795	0.0727	17.8035	0.0327	238.5565	0.0593	112.5335	0.1031
210.8835	0.0690	16.0935	0.0410	241.2105	0.0588	109.6835	0.1020
208.1885	0.0668	14.3635	0.0410	243.8215	0.0682	106.9235	0.1089
205.5355	0.0815	12.5535	0.0442	246.4955	0.0678	104.1235	0.1035
202.8635	0.0653	10.4935	0.0564	249.1085	0.0526	101.3735	0.1059
200.2505	0.0727	8.5235	0.0613	251.8635	0.0500	98.5735	0.1214
197.4955	0.0748	6.5435	0.0658	254.5975	0.0834	95.7635	0.1085
194.8215	0.0726	4.5535	0.0580	257.4465	0.0494	92.9435	0.1195
192.1055	0.0792	2.6135	0.0671	260.2754	0.0454	90.0635	0.0950
189.3725	0.0720	0.9635	0.0808	263.0449	0.0438	87.3135	0.0921
186.4345	0.0741	68.0635	0.0811	265.8449	0.0332	84.5135	0.0943
183.7205	0.0768	71.0235	0.0802	267.0922	0.0436	81.8235	0.0972
181.0445	0.0834	74.0435	0.0872	267.0652	0.0442	78.9635	0.0996
178.3525	0.0712	77.0035	0.0870	267.0935	0.0398	76.2135	0.0873
175.5555	0.0709	79.8645	0.0959			73.3335	0.0903
172.7795	0.0768	82.7035	0.0921	Scan 2, 59.6 psig		70.5335	0.0929
169.9825	0.0823	85.5135	0.0844	267.1000	0.0391	67.7335	0.0880
167.2035	0.0862	88.3535	0.0930	265.3715	0.0444	64.8735	0.0919
164.3735	0.0860	91.2235	0.0978	262.5386	0.0514	62.1835	0.0727
161.6535	0.0660	94.0635	0.0840	259.3919	0.0466	59.3435	0.0793
158.8435	0.0786	96.9235	0.0842	256.1125	0.0498	56.5735	0.0776
156.0635	0.0740	99.7935	0.0962	252.8835	0.0670	53.7435	0.0738
153.1835	0.0721	102.5735	0.0785	249.8425	0.0583	50.9235	0.0600
150.3335	0.0881	105.2635	0.0922	246.9245	0.0685	48.1035	0.0596
147.4335	0.0711	108.0435	0.0843	244.1085	0.0750	45.3235	0.0559
144.5535	0.0721	110.7735	0.0892	241.2505	0.0675	42.5535	0.0489
141.6935	0.0741	113.5335	0.0863	238.4545	0.0718	39.7935	0.0460
138.8035	0.0899	116.1835	0.0864	235.6595	0.0766	37.0235	0.0375
135.9235	0.0845	118.9835	0.0831	232.8615	0.0764	34.1635	0.0226
132.9835	0.0718	121.5935	0.0798	230.0665	0.0877	31.3235	0.0000
129.7035	0.0670	124.2935	0.0807	227.2715	0.0812	28.7735	0.0000
126.7435	0.0741	126.9435	0.0828	224.5765	0.0752	26.2235	0.0000
123.8235	0.0835	129.6635	0.0855	221.8425	0.0757	23.6835	0.0000
121.0035	0.0851	132.3335	0.0794	219.1275	0.0764	21.5335	0.0054
118.1935	0.0864	135.0835	0.0780	216.3525	0.0674	19.6935	0.0125
115.4535	0.0909	137.7635	0.0765	213.6795	0.0780	17.8035	0.0219
112.5335	0.0755	140.5135	0.0870	210.8835	0.0809	16.0935	0.0240
109.6835	0.0824	143.1335	0.0889	208.1885	0.0708	14.3635	0.0276
106.9235	0.0863	145.8235	0.0742	205.5355	0.0896	12.5535	0.0350
104.1235	0.0938	148.4335	0.0823	202.8635	0.0735	10.4935	0.0464
101.3735	0.0800	151.1735	0.0825	200.2505	0.0830	8.5235	0.0479
98.5735	0.0995	153.8435	0.0712	197.4955	0.0844	6.5435	0.0577
95.7635	0.0948	156.6835	0.0753	194.8215	0.0801	4.5535	0.0487
92.9435	0.0990	159.4935	0.0774	192.1055	0.0886	2.6135	0.0550
90.0635	0.0833	162.1035	0.0724	189.3725	0.0818	0.9635	0.0758
87.3135	0.0800	164.7835	0.0686	186.4345	0.0850	68.0635	0.0841
84.5135	0.0793	167.5365	0.0769	183.7205	0.0829	71.0235	0.0850
81.8235	0.0748	170.5285	0.0780	181.0445	0.0931	74.0435	0.0807
78.9635	0.0866	173.0465	0.0690	178.3525	0.0831	77.0035	0.0765
76.2135	0.0753	175.8635	0.0646	175.5555	0.0834	79.8635	0.0936
73.3335	0.0517	178.6375	0.0866	172.7795	0.0847	82.7035	0.0838
		181.3935	0.0757			85.5135	0.0647

Reinforced Concrete Test Data

Track 8 - High Pressure Test

88.3535	0.0920	267.1000	0.0872	64.8735	0.0940	189.5755	0.0996
91.2235	0.0945	265.3715	0.0774	62.1835	0.0963	192.2895	0.1000
94.0635	0.0977	262.5386	0.0843	59.3435	0.0850	195.0465	0.0961
96.9235	0.0931	259.3919	0.0834	56.5735	0.0970	197.8225	0.1000
99.7935	0.0978	256.1125	0.0914	53.7435	0.0808	200.4755	0.0998
102.5735	0.0960	252.8835	0.0833	50.9235	0.0692	203.4755	0.0913
105.2635	0.1161	249.8425	0.0679	48.1035	0.0626	206.1675	0.0930
108.0435	0.0888	246.9245	0.0880	45.3235	0.0527	208.8835	0.0926
110.7735	0.0891	244.1085	0.0909	42.5535	0.0585	211.4945	0.0853
113.5335	0.0997	241.2505	0.0897	39.7935	0.0476	214.2305	0.0924
116.1835	0.0963	238.4545	0.0888	37.0235	0.0387	216.9235	0.0914
118.9835	0.0900	235.6595	0.0898	34.1635	0.0146	219.6595	0.0887
121.5935	0.0961	232.8615	0.0963	31.3235	-0.0018	222.3125	0.0929
124.2935	0.0894	230.0665	0.1021	28.2735	0.0000	225.0055	0.0898
126.9435	0.0875	227.2715	0.1023	26.2235	0.0000	227.6995	0.0898
129.6635	0.0881	224.5765	0.1129	28.6835	0.0000	230.3535	0.0836
132.3335	0.0839	221.8425	0.1106	31.5335	0.0000	233.0865	0.1112
135.0835	0.1015	219.1275	0.1160	34.6935	0.0145	235.8425	0.0869
137.7635	0.0867	216.3525	0.1258	37.8035	0.0240	238.5565	0.0862
140.5135	0.0999	213.6795	0.1159	40.6935	0.0372	241.2105	0.0782
143.1335	0.0957	210.8835	0.1136	43.6335	0.0286	243.8215	0.0847
145.8235	0.0914	208.1885	0.1075	46.5335	0.0348	246.4955	0.0826
148.4335	0.0981	205.5355	0.1244	49.4935	0.0547	249.1085	0.0674
151.1735	0.0870	202.8635	0.1077	52.4335	0.0626	251.8635	0.0653
153.8435	0.0967	200.2505	0.1219	55.4135	0.0700	254.5975	0.1065
156.6835	0.0910	197.4955	0.1252	58.5535	0.0660	257.4465	0.0708
159.4935	0.0956	194.8215	0.1253	61.6135	0.0729	260.2754	0.0592
162.1035	0.0858	192.1055	0.1170	64.9635	0.0859	263.0449	0.0477
164.7835	0.0909	189.3725	0.1130	68.0635	0.0957	265.8449	0.0418
167.5365	0.0886	186.4345	0.1184	71.0235	0.0970	267.1078	0.0325
170.2285	0.0906	183.7205	0.1207	74.0435	0.0853		
173.0465	0.0895	181.0445	0.1205	77.0035	0.0924	Scan 4, 80.2 psig	
175.8635	0.0816	178.3525	0.1172	79.8635	0.1044	267.1000	0.1061
178.6375	0.1075	175.5555	0.1202	82.7035	0.1003	265.3715	0.1112
181.3935	0.0901	172.7795	0.1250	85.5135	0.1021	262.5386	0.1277
184.0655	0.0864	169.9825	0.1301	88.3535	0.1108	259.3919	0.1153
186.7615	0.0963	167.2035	0.1318	91.2235	0.1037	256.1125	0.1147
189.5755	0.0932	164.3735	0.1316	94.0635	0.1075	252.8835	0.1224
192.2895	0.0940	161.6535	0.1131	96.9235	0.1055	249.8425	0.1102
195.0465	0.0907	158.8435	0.1261	99.7935	0.1199	246.9245	0.1136
197.8225	0.0960	156.0635	0.1309	102.5735	0.1001	244.1085	0.1259
200.4755	0.0914	153.1835	0.1496	105.2635	0.1142	241.2505	0.1228
203.4755	0.0864	150.3335	0.1542	108.0435	0.1086	238.4545	0.1185
206.1675	0.0971	147.4335	0.1286	110.7735	0.1142	235.6595	0.1099
208.8835	0.0768	144.5535	0.1301	113.5335	0.1115	232.8615	0.1248
211.4945	0.0826	141.6935	0.1270	116.1835	0.1151	230.0665	0.1296
214.2305	0.1036	138.8035	0.1229	118.9835	0.1219	227.2715	0.1327
216.9245	0.0988	135.9235	0.1219	121.5935	0.1315	224.5765	0.1337
219.6595	0.0880	132.9835	0.1117	124.2935	0.1088	221.8425	0.1342
222.3125	0.0962	129.7035	0.1049	126.9435	0.1118	219.1275	0.1398
225.0055	0.0919	126.7435	0.1201	129.6635	0.1155	216.3525	0.1525
227.6995	0.0830	123.8235	0.1245	132.3335	0.1065	213.6795	0.1370
230.3535	0.0702	121.0035	0.1181	135.0835	0.1144	210.8835	0.1377
233.0865	0.0942	118.1935	0.1203	137.7635	0.1112	208.1885	0.1308
235.8425	0.0789	115.4535	0.1323	140.5135	0.1115	205.5355	0.1478
238.5565	0.0830	112.5335	0.1111	143.1335	0.1102	202.8635	0.1390
241.2105	0.0829	109.6835	0.1290	145.8235	0.0969	200.2505	0.1424
243.8215	0.0803	106.9235	0.1178	148.4335	0.1057	197.4955	0.1496
246.4955	0.0815	104.1235	0.1260	151.1735	0.0970	194.8215	0.1370
249.1085	0.0730	101.3735	0.1192	153.8435	0.0914	192.1055	0.1449
251.8635	0.0677	98.5735	0.1221	156.6835	0.0926	189.3725	0.1362
254.5975	0.0763	95.7635	0.1285	159.4935	0.1073	186.4345	0.1453
257.4465	0.0507	92.9435	0.1193	162.1035	0.1005	183.7205	0.1462
260.2754	0.0650	90.0635	0.1191	164.7835	0.0925	181.0445	0.1543
263.0449	0.0623	87.3135	0.1090	167.5365	0.1034	178.3525	0.1368
265.8449	0.0583	84.5135	0.1142	170.2285	0.1059	175.5555	0.1451
267.0922	0.0614	81.8235	0.1046	173.0465	0.0974	172.7795	0.1390
267.0652	0.0638	78.9635	0.1087	175.8635	0.0863	169.9825	0.1479
267.0935	0.0591	76.2135	0.1029	178.6375	0.1156	167.2035	0.1553
		73.3535	0.0982	181.3935	0.1038	164.3735	0.1569
Scan 3, 69.3 psig		70.5335	0.1023	184.0655	0.1046	161.6535	0.1432
		67.7335	0.1035	186.7615	0.1029	158.8435	0.1553

Reinforced Concrete Test Data

Track 8 - High Pressure Test

156.0635	0.1221	102.5235	0.1221	256.1125	0.1021	53.7435	0.1090
156.1835	0.1573	105.2635	0.1861	252.8835	0.1289	50.9235	0.0880
150.1335	0.11123	108.0435	0.1587	249.8425	0.1292	48.1035	0.0789
147.4335	0.1466	110.7735	0.1842	246.9245	0.1307	45.3235	0.0731
144.5535	0.1430	113.5335	0.1757	244.1085	0.1502	42.5535	0.0647
141.6935	0.1432	116.1835	0.1677	241.2505	0.1460	39.7935	0.0606
138.8035	0.1542	118.9835	0.1751	238.4545	0.1370	37.0235	0.0371
135.9235	0.1551	121.5935	0.1824	235.6595	0.1479	34.1635	0.0010
132.9635	0.1425	124.2935	0.1852	232.8615	0.1509	31.3235	0.0000
129.7035	0.1444	126.9435	0.1793	230.0665	0.1608	28.2735	0.0000
126.7435	0.1487	129.6635	0.1774	227.2715	0.1541	26.2235	0.0000
124.8235	0.1499	132.3335	0.1542	224.5765	0.1536	28.6835	0.0000
121.0035	0.1480	135.0835	0.1758	221.8425	0.1461	31.5335	-0.0076
118.1935	0.1493	137.7635	0.1822	219.1275	0.1495	34.6935	0.0117
115.4535	0.1537	140.5135	0.1698	216.3525	0.1633	37.8035	0.0265
112.5635	0.1464	143.1435	0.1671	213.6795	0.1558	40.6935	0.0310
109.6835	0.1513	145.8235	0.1699	210.8835	0.1523	43.6335	0.0359
106.9235	0.1532	148.4435	0.1626	208.1885	0.1316	46.5335	0.0450
104.1235	0.1557	151.1735	0.1448	205.5355	0.1596	49.4935	0.0627
101.4775	0.1509	153.8435	0.1574	202.8635	0.1497	52.4335	0.0766
98.5735	0.1685	156.6835	0.1442	200.2505	0.1633	55.4135	0.0910
95.7635	0.1564	159.4935	0.1564	197.4955	0.1615	58.5535	0.0883
92.9435	0.1644	162.1035	0.1576	194.8215	0.1588	61.6135	0.0940
90.0635	0.1439	164.7835	0.1528	192.1055	0.1574	64.9635	0.1153
87.4135	0.1367	167.5365	0.1577	189.3725	0.1538	68.0635	0.1292
84.5135	0.1302	170.2285	0.1596	186.4345	0.1622	71.0235	0.1344
81.8235	0.1303	173.0465	0.1574	183.7205	0.1628	74.0435	0.1376
78.9635	0.1378	175.8635	0.1572	181.0445	0.1649	77.0035	0.1342
76.2135	0.1359	178.6935	0.1639	178.3525	0.1556	79.8635	0.1561
73.3335	0.1274	181.3935	0.1504	175.5555	0.1567	82.7035	0.1488
70.5335	0.1324	184.0635	0.1488	172.7795	0.1603	85.5135	0.1529
67.7335	0.1206	186.7615	0.1468	169.9825	0.1720	88.3535	0.1622
64.8735	0.1270	189.5335	0.1467	167.2035	0.1800	91.2235	0.1637
62.1835	0.1048	192.2895	0.1418	164.3735	0.1739	94.0635	0.1650
59.5435	0.1062	195.0465	0.1387	161.6535	0.1542	96.9235	0.1734
56.5735	0.1048	197.8225	0.1433	158.8435	0.1732	99.7935	0.1838
53.7435	0.0953	200.4755	0.1432	156.0635	0.1650	102.5735	0.1812
50.9235	0.0747	203.4755	0.1390	153.1835	0.1581	105.2635	0.2009
48.1035	0.0721	206.1675	0.1378	150.3235	0.1683	108.0435	0.1667
45.3235	0.0640	208.8835	0.1263	147.4335	0.1505	110.7735	0.1947
42.5535	0.0600	211.4945	0.1278	144.5535	0.1540	113.5335	0.1917
39.7935	0.0572	214.2305	0.1458	141.6935	0.1604	116.1835	0.1847
37.0235	0.0399	216.9235	0.1441	138.8035	0.1811	118.9835	0.1849
34.1635	0.0213	219.6595	0.1381	135.9235	0.1773	121.5935	0.1931
31.3235	0.0000	222.3135	0.1431	132.9835	0.1728	124.2935	0.1825
28.2735	0.0000	225.0085	0.1413	129.7035	0.1582	126.9435	0.1853
26.2235	0.0569	227.6995	0.1327	126.7435	0.1687	129.6635	0.1920
28.6835	0.0000	230.3535	0.1238	123.8235	0.1721	132.3335	0.1707
31.5335	0.0051	233.0865	0.1387	121.0035	0.1763	135.0835	0.1800
34.6935	0.0142	235.8425	0.1320	118.1935	0.1718	137.7635	0.1850
37.8035	0.0251	238.5565	0.1323	115.4535	0.1796	140.5135	0.1812
40.6935	0.0329	241.2105	0.1301	112.5335	0.1651	143.1435	0.1841
43.6335	0.0364	243.8215	0.1269	109.6835	0.1816	145.8235	0.1808
46.5335	0.0393	246.4955	0.1308	106.9235	0.1750	148.4435	0.1823
49.4935	0.0585	249.1085	0.1237	104.1235	0.1777	151.1735	0.1658
52.4335	0.0692	251.8635	0.1126	101.3735	0.1686	153.8435	0.1768
55.4135	0.0770	254.5975	0.1326	98.5735	0.1794	156.6835	0.1644
58.5535	0.0790	257.4465	0.1113	95.7635	0.1720	159.4935	0.1843
61.6135	0.0899	260.2754	0.1031	92.9435	0.1861	162.1035	0.1787
64.9635	0.1051	263.0449	0.0985	90.0635	0.1640	164.7835	0.1756
68.0635	0.1101	265.8449	0.0927	87.3135	0.1588	167.5365	0.1780
71.0235	0.1151	267.0922	0.1073	84.5135	0.1568	170.2285	0.1736
74.0435	0.1276	267.4972	0.1077	81.8235	0.1485	173.0465	0.1716
77.0035	0.1174	267.6935	0.1033	78.9635	0.1541	175.8635	0.1580
79.8635	0.1344			76.2135	0.1480	178.6375	0.1949
82.7035	0.1285			73.3335	0.1289	181.3935	0.1761
85.5135	0.1356			70.5335	0.1435	184.0655	0.1667
88.3535	0.1450			67.7335	0.1304	186.7615	0.1675
91.2235	0.1413			64.8735	0.1327	189.5755	0.1648
94.0635	0.1448			62.1835	0.1175	192.2895	0.1598
96.9235	0.1558			59.5435	0.1205	195.0465	0.1549
99.7935	0.1682			56.5735	0.1215	197.8225	0.1576

Scan 5, 99.6 psig

Reinforced Concrete Test Data

Track 8 - High Pressure Test

200.4755	0.1588	153.1835	0.1870	105.2635	0.1864	252.8835	0.1660
203.4755	0.1448	150.3335	0.1427	108.0435	0.1866	249.8425	0.1567
206.1675	0.1546	147.4335	0.1745	110.7735	0.1979	246.9245	0.1795
208.8835	0.1378	144.5535	0.1715	113.5335	0.1995	244.1085	0.1790
211.4945	0.1531	141.6935	0.1798	116.1835	0.1973	241.2505	0.1931
214.2305	0.1586	138.8035	0.1954	118.9835	0.1953	238.4545	0.1753
216.9235	0.1620	135.9235	0.1960	121.5935	0.2000	235.6595	0.1829
219.6505	0.1500	132.9835	0.1810	124.2935	0.1958	232.8615	0.1846
222.3125	0.1551	129.7035	0.1759	126.9435	0.1989	230.0665	0.1907
225.0055	0.1511	126.7435	0.1951	129.6635	0.2087	227.2715	0.1844
227.6995	0.1560	123.8235	0.1878	132.3335	0.1991	224.5765	0.1850
230.3535	0.1431	121.0035	0.1973	135.0835	0.2021	221.8425	0.1867
233.0865	0.1662	118.1935	0.1899	137.7635	0.1992	219.1275	0.1878
235.8425	0.1492	115.4535	0.1973	140.5135	0.2138	216.3525	0.2060
238.5565	0.1480	112.5335	0.1873	143.1335	0.1994	213.6795	0.1971
241.2105	0.1467	109.6835	0.1908	145.8235	0.1995	210.8835	0.1907
243.8215	0.1466	106.9235	0.1827	148.4335	0.2103	208.1885	0.1758
246.4955	0.1457	104.1235	0.1957	151.1735	0.1960	205.5355	0.1957
249.1085	0.1354	101.3735	0.1842	153.9435	0.2008	202.8635	0.1902
251.8635	0.1303	98.5735	0.1955	156.6835	0.1980	200.2505	0.2067
254.5975	0.1371	95.7635	0.1881	159.4935	0.2060	197.4955	0.1984
257.4465	0.1140	92.9435	0.1886	162.1035	0.1950	194.8215	0.1934
260.2754	0.1123	90.0635	0.1819	164.7835	0.1966	192.1055	0.2017
263.0440	0.1127	87.3135	0.1792	167.5365	0.2054	189.3725	0.1950
265.8440	0.1034	84.5135	0.1718	170.2285	0.1969	186.4345	0.1980
267.0922	0.1123	81.8235	0.1671	173.0465	0.1910	183.7205	0.2040
267.0652	0.1133	78.9635	0.1758	175.8635	0.1788	181.0445	0.2059
267.0935	0.1086	76.2135	0.1487	178.6375	0.2029	178.3525	0.2055
		73.3335	0.1269	181.3935	0.1884	175.5555	0.2103
		70.5335	0.1417	184.0655	0.1879	172.7795	0.2023
		67.7335	0.1363	186.7615	0.1905	169.9825	0.2121
		64.8735	0.1270	189.5755	0.1815	167.2035	0.2148
		62.1835	0.1227	192.2895	0.1770	164.3735	0.2154
		59.3435	0.1176	195.0465	0.1754	161.6335	0.2087
		56.5735	0.1210	197.8225	0.1775	158.8435	0.2182
		53.7435	0.1040	200.4755	0.1762	156.0635	0.2297
		50.9235	0.0965	203.4755	0.1722	153.1835	0.2114
		48.1035	0.0817	206.1675	0.1736	150.3335	0.1704
		45.3235	0.0735	208.8835	0.1505	147.4335	0.2110
		42.5535	0.0652	211.4945	0.1619	144.5535	0.2070
		39.7935	0.0724	214.2305	0.1691	141.6935	0.2055
		37.0235	0.0411	216.9235	0.1752	138.8035	0.2135
		34.1635	0.0086	219.6505	0.1656	135.9235	0.2230
		31.3235	0.0042	222.3125	0.1706	132.9835	0.2061
		28.2735	0.0000	225.0055	0.1712	129.7035	0.1979
		26.2235	0.0000	227.6995	0.1628	126.7435	0.2079
		23.8435	0.0000	230.3535	0.1650	123.8235	0.2145
		21.5335	-0.0060	233.0865	0.1788	121.0035	0.2131
		19.1635	-0.0001	235.8425	0.1682	118.1935	0.2119
		17.8035	0.0025	238.5565	0.1675	115.4535	0.2163
		16.6935	0.0145	241.2105	0.1625	112.5335	0.2055
		14.6335	0.0217	243.8215	0.1660	109.6835	0.2134
		12.5335	0.0357	246.4955	0.1680	106.9235	0.2016
		10.4935	0.0645	249.1085	0.1670	104.1235	0.2164
		8.5335	0.1035	251.8635	0.1518	101.3735	0.2004
		6.6135	0.0750	254.5975	0.1484	98.5735	0.2170
		5.4335	0.0884	257.4465	0.1407	95.7635	0.2022
		58.5535	0.0081	260.2754	0.1346	92.9435	0.2250
		61.6135	0.0979	263.0440	0.1224	90.0635	0.1978
		64.9635	0.1272	265.8440	0.1224	87.3135	0.1875
		68.0635	0.1339	267.0922	0.1362	84.5135	0.1943
		71.0235	0.1399	267.0652	0.1369	81.8235	0.1887
		74.0435	0.1373	267.0935	0.1325	78.9635	0.1876
		77.0035	0.1426			76.2135	0.1667
		79.8635	0.1685			73.3335	0.1442
		82.7035	0.1610			70.5335	0.1610
		85.5335	0.1647			67.7335	0.1470
		88.5335	0.1780			64.8735	0.1476
		91.2235	0.1777			62.1835	0.1408
		94.0635	0.1787			59.3435	0.1348
		96.9235	0.1823			56.5735	0.1262
		99.7935	0.1918			53.7435	0.1176
		102.5735	0.1905				

Scan 6, 95.7 psig

267.1000	0.1284	105.2635	0.1864	252.8835	0.1660
265.3715	0.1268	108.0435	0.1866	249.8425	0.1567
262.5386	0.1357	110.7735	0.1979	246.9245	0.1795
259.3919	0.1234	113.5335	0.1995	244.1085	0.1790
256.1125	0.1162	116.1835	0.1973	241.2505	0.1931
252.8835	0.1415	118.9835	0.1953	238.4545	0.1753
249.8425	0.1449	121.5935	0.2000	235.6595	0.1829
246.9245	0.1529	124.2935	0.1958	232.8615	0.1846
244.1085	0.1577	126.9435	0.1989	230.0665	0.1907
241.2505	0.1622	129.6635	0.2087	227.2715	0.1844
238.4545	0.1633	132.3335	0.1991	224.5765	0.1850
235.6595	0.1621	135.0835	0.2021	221.8425	0.1867
232.8615	0.1701	137.7635	0.1992	219.1275	0.1878
230.0665	0.1770	140.5135	0.2138	216.3525	0.2060
227.2715	0.1764	143.1335	0.1994	213.6795	0.1971
224.5765	0.1657	145.8235	0.1995	210.8835	0.1907
221.8425	0.1674	148.4335	0.2103	208.1885	0.1758
219.1275	0.1687	151.1735	0.1960	205.5355	0.1957
216.3525	0.1834	153.9435	0.2008	202.8635	0.1902
213.6795	0.1757	156.6835	0.1980	200.2505	0.2067
210.8835	0.1695	159.4935	0.2060	197.4955	0.1984
208.1885	0.1634	162.1035	0.1950	194.8215	0.1934
205.5355	0.1754	164.7835	0.1966	192.1055	0.2017
202.8635	0.1692	167.5365	0.2054	189.3725	0.1950
200.2505	0.1788	170.2285	0.1969	186.4345	0.1980
197.4955	0.1758	173.0465	0.1910	183.7205	0.2040
194.8215	0.1718	175.8635	0.1788	181.0445	0.2059
192.1055	0.1671	178.6375	0.2029	178.3525	0.2055
189.3725	0.1487	181.3935	0.1884	175.5555	0.2103
186.7615	0.1363	184.0655	0.1879	172.7795	0.2023
184.0655	0.1269	186.7615	0.1905	169.9825	0.2121
181.3935	0.1147	189.5755	0.1815	167.2035	0.2148
178.6375	0.1034	192.2895	0.1770	164.3735	0.2154
175.8635	0.1178	195.0465	0.1754	161.6335	0.2087
173.0465	0.1671	197.8225	0.1775	158.8435	0.2182
170.2285	0.1718	200.4755	0.1762	156.0635	0.2297
167.5365	0.1718	203.4755	0.1722	153.1835	0.2114
164.7835	0.1910	206.1675	0.1736	150.3335	0.1704
162.1035	0.1960	208.8835	0.1505	147.4335	0.2110
159.4935	0.2060	211.4945	0.1619	144.5535	0.2070
156.6835	0.2008	214.2305	0.1691	141.6935	0.2055
153.9435	0.1980	216.9235	0.1752	138.8035	0.2135
151.1735	0.1960	219.6505	0.1656	135.9235	0.2230
148.4335	0.2103	222.3125	0.1706	132.9835	0.2061
145.8235	0.1995	225.0055	0.1712	129.7035	0.1979
143.1335	0.1994	227.6995	0.1628	126.7435	0.2079
140.5135	0.2138	230.3535	0.1650	123.8235	0.2145
137.7635	0.1992	233.0865	0.1788	121.0035	0.2131
135.0835	0.2021	235.8425	0.1682	118.1935	0.2119
132.3335	0.1991	238.5565	0.1675	115.4535	0.2163
129.6635	0.2087	241.2105	0.1625	112.5335	0.2055
126.9435	0.1989	243.8215	0.1660	109.6835	0.2134
124.2935	0.1958	246.4955	0.1680	106.9235	0.2016
121.5935	0.2000	249.1085	0.1670	104.1235	0.2164
118.9835	0.1953	251.8635	0.1518	101.3735	0.2004
116.1835	0.1973	254.5975	0.1484	98.5735	0.2170
113.5335	0.1995	257.4465	0.1407	95.7635	0.2022
110.7735	0.1979	260.2754	0.1346	92.9435	0.2250
108.0435	0.1866	263.0440	0.1224	90.0635	0.1978
105.2635	0.1864	265.8440	0.1224	87.3135	0.1875
		267.0922	0.1362	84.5135	0.1943
		267.0652	0.1369	81.8235	0.1887
		267.0935	0.1325	78.9635	0.1876
				76.2135	0.1667
				73.3335	0.1442
				70.5335	0.1610
				67.7335	0.1470
				64.8735	0.1476
				62.1835	0.1408
				59.3435	0.1348
				56.5735	0.1262
				53.7435	0.1176

Scan 7, 100.9 psig

Reinforced Concrete Test Data

Track 8 - High Pressure Test

50.9235	0.0968	203.4755	0.1934	153.1835	0.2407	105.2635	0.2372
48.1035	0.0865	206.1675	0.1905	150.3335	0.2035	108.0435	0.2339
45.3235	0.0784	208.8835	0.1788	147.4335	0.2272	110.7735	0.2443
42.5535	0.0706	211.4945	0.1844	144.5535	0.2329	113.5335	0.2454
39.7935	0.0671	214.2305	0.2035	141.6935	0.2424	116.1835	0.2421
37.0235	0.0445	216.9235	0.1980	138.8035	0.2485	118.9835	0.2468
34.1635	0.0140	219.6595	0.1858	135.9235	0.2491	121.5935	0.2484
31.3235	-0.0028	222.3125	0.1912	132.9835	0.2392	124.2935	0.2467
28.2735	0.0000	225.0055	0.1890	129.7035	0.2299	126.9435	0.2506
26.2235	0.0000	227.6995	0.1852	126.7435	0.2407	129.6635	0.2582
28.6835	0.0000	230.3535	0.1820	123.8235	0.2409	132.3335	0.2537
31.5335	0.0000	233.0865	0.2091	121.0035	0.2449	135.0835	0.2573
34.6935	0.0063	235.8425	0.1839	118.1935	0.2394	137.7635	0.2461
37.8035	0.0267	238.5565	0.1823	115.4535	0.2458	140.5135	0.2595
40.6935	0.0381	241.2105	0.1791	112.5335	0.2318	143.1335	0.2586
43.6335	0.0419	243.8215	0.1840	109.6835	0.2383	145.8235	0.2595
46.5335	0.0652	246.4955	0.1785	106.9235	0.2368	148.4335	0.2582
49.4935	0.0778	249.1085	0.1677	104.1235	0.2309	151.1735	0.2334
52.4335	0.0864	251.8635	0.1599	101.3735	0.2317	153.8435	0.2509
55.4135	0.1014	254.5975	0.1809	98.5735	0.2436	156.6835	0.2546
58.5535	0.1026	257.4465	0.1318	95.7635	0.1888	159.4935	0.2509
61.6135	0.1143	260.2754	0.1533	92.9435	0.2071	162.1035	0.2514
64.9635	0.1344	263.0449	0.1456	90.0635	0.1888	164.7835	0.2554
68.0635	0.1476	265.8449	0.1322	87.3135	0.1848	167.5365	0.2496
71.0235	0.1560	267.0922	0.1480	84.5135	0.1843	170.2285	0.2562
74.0435	0.1540	267.0652	0.1486	81.8235	0.1795	173.0465	0.2426
77.0035	0.1560	267.0935	0.1442	78.9635	0.1889	175.8635	0.2387
79.8635	0.1788			76.2135	0.1811	178.6335	0.2579
82.7035	0.1790			73.3335	0.1611	181.3935	0.2438
85.5135	0.1852	Scan 8, 108.3 psig		70.5335	0.1763	184.0655	0.2446
88.3535	0.1950	267.1000	0.1567	67.7335	0.1708	186.7615	0.2429
91.2235	0.1946	265.3715	0.1583	64.8735	0.1584	189.5755	0.2353
94.0635	0.2061	262.5386	0.1740	62.1835	0.1468	192.2895	0.2441
96.9235	0.2158	259.3919	0.1633	59.3435	0.1440	195.0465	0.2325
99.7935	0.2155	256.1125	0.1557	56.5735	0.1462	197.8225	0.2331
102.5735	0.2168	252.8835	0.1866	53.7435	0.1331	200.4755	0.2263
105.2635	0.2186	249.8425	0.1899	50.9235	0.1101	203.4755	0.2147
108.0435	0.2173	246.9245	0.1928	48.1035	0.0980	206.1675	0.2198
110.7735	0.2264	244.1085	0.2086	45.3235	0.0876	208.8835	0.2040
113.5335	0.2265	241.2505	0.2091	42.5535	0.0791	211.4945	0.2207
116.1835	0.2246	238.4545	0.2092	39.7935	0.0661	214.2305	0.2238
118.9835	0.2331	235.6595	0.2094	37.0235	0.0568	216.9235	0.2157
121.5935	0.2315	232.8615	0.2179	34.1635	0.0021	219.6595	0.2218
124.2935	0.2195	230.0665	0.2266	31.3235	-0.0350	222.3125	0.2193
126.9435	0.2240	227.2715	0.2220	28.2735	0.0350	225.0055	0.2177
129.6635	0.2310	224.5765	0.2133	26.2235	-0.0350	227.6995	0.2194
132.3335	0.2206	221.8425	0.2172	28.6835	-0.0350	230.3535	0.2111
135.0835	0.2311	219.1275	0.2193	31.5335	0.0350	233.0865	0.2285
137.7635	0.2220	216.3525	0.2307	34.6935	-0.0007	235.8425	0.2062
140.5135	0.2320	213.6795	0.2232	37.8035	0.0196	238.5565	0.2184
143.1335	0.2210	210.8835	0.2101	40.6935	0.0246	241.2105	0.2066
145.8235	0.2270	208.1885	0.2093	43.6335	0.0450	243.8215	0.2104
148.4335	0.2223	205.5355	0.2250	46.5335	0.0454	246.4955	0.2106
151.1735	0.2136	202.8635	0.2212	49.4935	0.0757	249.1085	0.1926
153.8435	0.2191	200.2505	0.2332	52.4335	0.0927	251.8635	0.1869
156.6835	0.2149	197.4955	0.2346	55.4135	0.1050	254.5975	0.2101
159.4935	0.2230	194.8215	0.2293	58.5535	0.1036	257.4465	0.1694
162.1035	0.2126	192.1055	0.2303	61.6135	0.1190	260.2754	0.1691
164.7835	0.2177	189.3725	0.2265	64.9635	0.1454	263.0449	0.1654
167.5365	0.2206	186.4345	0.2345	68.0635	0.1611	265.8449	0.1573
170.2285	0.2185	183.7205	0.2347	71.0235	0.1676	267.0922	0.1707
173.0465	0.2089	181.0445	0.2450	74.0435	0.1672	267.0652	0.1713
175.8635	0.1992	178.3525	0.2350	77.0035	0.1721	267.0935	0.1669
178.6375	0.2235	175.5555	0.2375	79.8635	0.1975		
181.3935	0.2074	172.7795	0.2359	82.7035	0.1942		
184.0655	0.2076	169.9825	0.2432	85.5135	0.1985	Scan 9, 114.2 psig	
186.7615	0.2087	167.2035	0.2491	88.3535	0.2125	267.1000	0.1806
189.5755	0.1994	164.3735	0.2592	91.2235	0.2157	265.3715	0.1875
192.2895	0.1943	161.6535	0.2478	94.0635	0.2167	262.5386	0.2013
195.0465	0.1993	158.8435	0.2581	96.9235	0.2187	259.3919	0.1836
197.8225	0.1992	156.0635	0.2641	99.7935	0.2337	256.1125	0.1787
200.4755	0.1995			102.5735	0.2309		

Reinforced Concrete Test Data

Track 8 - High Pressure Test

252.8835	0.2127	50.9235	0.1166	203.4755	0.2536	153.1835	0.3074
249.8425	0.2127	48.1035	0.1026	206.1675	0.2550	150.3335	0.2687
246.9245	0.2225	45.3235	0.0904	208.8835	0.2478	147.4335	0.2982
244.1085	0.2217	42.5535	0.0811	211.4945	0.2463	144.5535	0.2982
241.2505	0.2312	39.7935	0.0688	214.2305	0.2572	141.6935	0.3072
238.4545	0.2314	37.0235	0.0479	216.9235	0.2599	138.8035	0.3125
235.6595	0.2363	34.1635	0.0210	219.6595	0.2488	135.9235	0.3145
232.8615	0.2446	31.3235	0.0013	222.3125	0.2560	132.9835	0.3020
230.0665	0.2536	28.2735	0.0000	225.0055	0.2483	129.7035	0.2946
227.2715	0.2527	26.2235	0.0000	227.6995	0.2433	126.7435	0.2996
224.5765	0.2419	28.6835	0.0000	230.3535	0.2401	123.8235	0.3053
221.8425	0.2396	31.5335	0.0000	233.0865	0.2609	121.0035	0.3031
219.1275	0.2535	34.6935	0.0220	235.8425	0.2377	118.1935	0.2963
216.3525	0.2571	37.8035	0.0374	238.5565	0.2409	115.4535	0.3026
213.6795	0.2505	40.6935	0.0413	241.2105	0.2395	112.5335	0.2887
210.8835	0.2387	43.6335	0.0590	243.8215	0.2383	109.6835	0.2918
208.1885	0.2377	46.5335	0.0661	246.4955	0.2341	106.9235	0.2821
205.5355	0.2505	49.4935	0.0978	249.1085	0.2234	104.1235	0.2916
202.8635	0.2506	52.4335	0.1071	251.8635	0.2158	101.3735	0.2831
200.2505	0.2564	55.4135	0.1183	254.5975	0.2263	98.5735	0.2839
197.4955	0.2617	58.5535	0.1204	257.4465	0.1946	95.7635	0.2660
194.8215	0.2607	61.6135	0.1376	260.2754	0.1950	92.9435	0.2690
192.1055	0.2647	64.9635	0.1638	263.0449	0.1890	90.0635	0.2529
189.3725	0.2543	68.0635	0.1719	265.8449	0.1822	87.3135	0.2527
186.4345	0.2655	71.0235	0.1787	267.0922	0.1917	84.5135	0.2416
183.7205	0.2676	74.0435	0.1824	267.0652	0.1930	81.8235	0.2378
181.0445	0.2670	77.0035	0.1914	267.0935	0.1882	78.9635	0.2444
178.3525	0.2615	79.8635	0.2172			76.2135	0.2229
175.5555	0.2697	82.7035	0.2169			73.3335	0.2108
172.7795	0.2630	85.5135	0.2230	Scan 10, 117.8 psig		70.5335	0.2128
169.9825	0.2721	88.3535	0.2319	267.1000	0.2038	67.7335	0.2064
167.2035	0.2824	91.2235	0.2358	265.3715	0.2135	64.8735	0.1945
164.3735	0.2779	94.0635	0.2491	262.5386	0.2284	62.1835	0.1778
161.6535	0.2679	96.9235	0.2668	259.3919	0.2217	59.3435	0.1826
158.8435	0.2823	99.7935	0.2685	256.1125	0.2212	56.5735	0.1731
156.0635	0.2928	102.5735	0.2670	252.8835	0.2398	53.7435	0.1542
153.1835	0.2651	105.2635	0.2749	249.8425	0.2327	50.9235	0.1265
150.3335	0.2490	108.0435	0.2661	246.9245	0.2509	48.1035	0.1159
147.4335	0.2586	110.7735	0.2826	244.1085	0.2587	45.3235	0.1063
144.5535	0.2620	113.5335	0.2850	241.2505	0.2547	42.5535	0.0887
141.6935	0.2666	116.1835	0.2820	238.4545	0.2561	39.7935	0.0787
138.8035	0.2772	118.9835	0.2900	235.6595	0.2637	37.0235	0.0543
135.9235	0.2816	121.5935	0.2881	232.8615	0.2703	34.1635	0.0236
132.9835	0.2747	124.2935	0.2786	230.0665	0.2782	31.3235	0.0000
129.7035	0.2668	126.9435	0.2854	227.2715	0.2712	28.2735	0.0000
126.7435	0.2653	129.6635	0.2943	224.5765	0.2726	26.2235	0.0000
123.8235	0.2713	132.3335	0.2879	221.8425	0.2743	24.0635	-0.0241
121.0035	0.2712	135.0835	0.2971	219.1275	0.2727	21.8435	-0.0160
118.1935	0.2683	137.7635	0.2897	216.3525	0.2942	19.7935	0.0031
115.4535	0.2709	140.5135	0.3037	213.6795	0.2810	17.8035	0.0239
112.5335	0.2604	143.1335	0.2836	210.8835	0.2745	15.9235	0.0413
109.6835	0.2630	145.8235	0.2906	208.1885	0.2712	14.0635	0.0512
106.9235	0.2623	148.4335	0.2882	205.5355	0.2863	12.5335	0.0619
104.1235	0.2553	151.1735	0.2813	202.8635	0.2819	11.4335	0.0859
101.3735	0.2515	153.8435	0.2881	200.2505	0.2965	10.4335	0.1044
98.5735	0.2586	156.6835	0.2865	197.4955	0.2958	9.4335	0.1276
95.7635	0.2446	159.4935	0.2936	194.8215	0.2894	8.5335	0.1333
92.9435	0.2665	162.1035	0.2759	192.1055	0.2954	7.6335	0.1422
90.0635	0.2343	164.7835	0.2768	189.3725	0.2890	6.7335	0.1753
87.3135	0.2189	167.5365	0.2888	186.4345	0.2990	5.8335	0.1892
84.5135	0.2147	170.2285	0.2862	183.7205	0.3033	4.9335	0.1911
81.8235	0.2047	173.0465	0.2781	181.0445	0.3084	4.0335	0.2004
78.9635	0.2107	175.8635	0.2644	178.3525	0.2984	3.1335	0.2099
76.2135	0.1966	178.6375	0.2891	175.5555	0.3063	2.2335	0.2351
73.3335	0.1910	181.3935	0.2726	172.7795	0.3080	1.3335	0.2301
70.5335	0.1929	184.0655	0.2738	169.9825	0.3154	0.4335	0.2421
67.7335	0.1879	186.7615	0.2725	167.2045	0.3202	0.5335	0.2507
64.8735	0.1726	189.5755	0.2644	164.3735	0.3212	0.6335	0.2660
62.1835	0.1606	192.2895	0.2626	161.6535	0.3080	0.7335	0.2680
59.3435	0.1571	195.0465	0.2568	158.8435	0.3234	0.8335	0.2685
56.5735	0.1532	197.8225	0.2582	156.0635	0.3361	0.9335	0.2834
53.7435	0.1360	200.4755	0.2536			102.5735	0.2788

Reinforced Concrete Test Data

Track 8 - High Pressure Test

105.2635	0.3048	252.8835	0.2651	50.9235	0.1370	203.4755	0.315
108.0435	0.2763	249.8425	0.2570	48.1035	0.1227	206.1675	0.3095
110.7735	0.3001	246.9245	0.2742	45.3235	0.1160	208.8835	0.3004
113.5335	0.3064	244.1085	0.2764	42.5535	0.0901	211.4915	0.2994
116.1835	0.3027	241.2505	0.2885	39.7935	0.0783	214.2305	0.3189
118.9835	0.3108	238.4545	0.2841	37.0235	0.0526	216.9235	0.3113
121.5935	0.3129	235.6595	0.2929	34.1635	0.0280	219.6595	0.3070
124.2935	0.3059	232.8615	0.2964	31.3235	0.0000	222.3125	0.3108
126.9435	0.3106	230.0665	0.2993	28.2735	0.0000	225.0055	0.3040
129.6635	0.3225	227.2715	0.2954	26.2235	0.0000	227.6995	0.2984
132.3335	0.3246	224.5765	0.3018	28.6835	0.0000	230.3535	0.2963
135.0835	0.3266	221.8425	0.2993	31.5335	-0.0048	233.0865	0.3174
137.7635	0.3203	219.1275	0.3061	34.6935	0.0248	235.8425	0.2845
140.5135	0.3349	216.3525	0.3167	37.8035	0.0434	238.5565	0.2841
143.1335	0.3258	213.6795	0.3150	40.6935	0.0529	241.2105	0.2744
145.8235	0.3288	210.8835	0.3059	43.6335	0.0665	243.8215	0.2790
148.4335	0.3292	208.1885	0.2923	46.5335	0.0800	246.4955	0.2794
151.1735	0.3012	205.5355	0.3120	49.4935	0.1058	249.1085	0.2642
153.8435	0.3242	202.8635	0.3089	52.4335	0.1276	251.8635	0.2545
156.6835	0.3176	200.2505	0.3244	55.4135	0.1393	254.5975	0.2840
159.4935	0.3270	197.4955	0.3212	58.5535	0.1432	257.4465	0.2375
162.1035	0.3240	194.8215	0.3163	61.6135	0.1589	260.2754	0.2399
164.7835	0.3181	192.1055	0.3186	64.9635	0.1798	263.0449	0.2251
167.5365	0.3253	189.3725	0.3155	68.0635	0.2000	265.8449	0.2134
170.2285	0.3140	186.4345	0.3265	71.0235	0.2130	267.0922	0.2229
173.0465	0.3162	183.7205	0.3283	74.0435	0.2238	267.0652	0.2231
175.8635	0.3089	181.0445	0.3422	77.0035	0.2199	267.0935	0.2191
178.6375	0.3365	178.3525	0.3253	79.8635	0.2488		
181.3935	0.3132	175.5555	0.3400	82.7035	0.2597		
184.0655	0.3038	172.7795	0.3354	85.5135	0.2587		
186.7615	0.3037	169.9825	0.3467	88.3535	0.2723		
189.5755	0.3017	167.2035	0.3541	91.2235	0.2803	267.1000	0.2749
192.2895	0.2884	164.3735	0.3515	94.0635	0.2977	265.3715	0.2767
195.0465	0.2908	161.6535	0.3420	96.9235	0.3029	262.5386	0.3071
197.8225	0.2902	158.8435	0.3575	99.7935	0.3110	259.3919	0.3201
200.4755	0.2841	156.0635	0.3692	102.5735	0.3119	256.1125	0.3097
203.4755	0.2760	153.1835	0.3394	105.2635	0.3457	252.8835	0.3348
206.1675	0.2815	150.3335	0.3036	108.0435	0.3063	249.8425	0.3350
208.8835	0.2515	147.4335	0.3291	110.7735	0.3335	246.9245	0.3392
211.4945	0.2694	144.5535	0.3292	113.5335	0.3411	244.1085	0.3584
214.2305	0.2779	141.6935	0.3336	116.1835	0.3371	241.2505	0.3551
216.9235	0.2824	138.8035	0.3404	118.9835	0.3480	238.4545	0.3600
219.6595	0.2711	135.9235	0.3439	121.5935	0.3522	235.6595	0.3672
222.3125	0.2809	132.9835	0.3285	124.2935	0.3475	232.8615	0.3862
225.0055	0.2722	129.7035	0.3244	126.9435	0.3479	230.0665	0.3907
227.6995	0.2706	126.7435	0.3314	129.6635	0.3507	227.2715	0.3894
230.3535	0.2676	123.8235	0.3344	132.3335	0.3493	224.5765	0.3947
233.0865	0.2854	121.0035	0.3267	135.0835	0.3572	221.8425	0.3991
235.8425	0.2666	118.1935	0.3256	137.7635	0.3576	219.1275	0.3977
238.5565	0.2582	115.4535	0.3307	140.5135	0.3616	216.3525	0.4012
241.2105	0.2525	112.5335	0.3142	143.1335	0.3658	213.6795	0.3964
243.8215	0.2634	109.6835	0.3151	145.8235	0.3572	210.8835	0.3938
246.4955	0.2510	106.9235	0.2991	148.4335	0.3651	208.1885	0.3854
249.1085	0.2449	104.1235	0.3118	151.1735	0.3593	205.5355	0.4083
251.8635	0.2273	101.3735	0.2970	153.8435	0.3529	202.8635	0.4032
254.5975	0.2519	98.5735	0.3128	156.6835	0.3507	200.2505	0.4129
257.4465	0.2122	95.7635	0.2822	159.4935	0.3651	197.4955	0.4237
260.2754	0.2279	92.9435	0.2870	162.1035	0.3533	194.8215	0.4133
263.0449	0.2201	90.0635	0.2667	164.7835	0.3423	192.1055	0.4221
265.8449	0.2007	87.3135	0.2609	167.5365	0.3590	189.3725	0.4148
267.0922	0.2103	84.5135	0.2576	170.2285	0.3586	186.4345	0.4275
267.0652	0.2112	81.8235	0.2512	173.0465	0.3453	183.7205	0.4302
267.0935	0.2066	78.9635	0.2534	175.8635	0.3271	181.0445	0.4419
		76.2135	0.2381	178.6375	0.3538	178.3525	0.4240
		73.3335	0.2319	181.3935	0.3424	175.5555	0.4411
		70.5335	0.2294	184.0655	0.3376	172.7795	0.4176
		67.7335	0.2191	186.7615	0.3358	169.9825	0.4472
		64.8735	0.2128	189.5755	0.3291	167.2035	0.4639
		62.1835	0.1881	192.2895	0.3241	164.3735	0.4614
		59.3435	0.1870	195.0465	0.3201	161.6535	0.4537
		56.5735	0.1816	197.8225	0.3221	158.8435	0.4590
		53.7435	0.1661	200.4755	0.3220	156.0635	0.4791
						153.1835	0.4658

Scan 12, 125.8 psig

Scan 11, 120.9 psig

Reinforced Concrete Test Data

Track 8 - High Pressure Test

150.3335	0.4224	108.0435	0.3709	249.8425	0.3846	48.1035	0.1739
147.4335	0.4480	110.7735	0.3982	246.9245	0.4004	45.3235	0.1551
144.5535	0.4413	113.5335	0.4065	244.1085	0.4251	42.5535	0.1336
141.6935	0.4438	116.1835	0.4048	241.2505	0.4249	39.7935	0.1213
138.8035	0.4309	118.9835	0.4175	238.4545	0.4360	37.0235	0.0963
135.9235	0.4440	121.5935	0.4222	235.6595	0.4446	34.1635	0.0660
132.9835	0.4320	124.2935	0.4182	232.8615	0.4624	31.3235	0.0354
129.7035	0.4183	126.9435	0.4167	230.0665	0.4756	28.2735	0.0350
126.7435	0.4247	129.6635	0.4258	227.2715	0.4847	26.2235	0.0350
123.8235	0.4182	132.3335	0.4347	224.5765	0.4807	28.6835	0.0350
121.0035	0.4224	135.0835	0.4418	221.8425	0.4883	31.5335	0.0350
118.1935	0.4130	137.7635	0.4328	219.1275	0.4915	34.6935	0.0578
115.4535	0.4141	140.5135	0.4422	216.3525	0.5023	37.8035	0.0740
112.5335	0.3979	143.1335	0.4510	213.6795	0.5040	40.6935	0.0885
109.6835	0.3951	145.8235	0.4464	210.8835	0.4939	43.6335	0.1126
106.9235	0.3927	148.4335	0.4525	208.1885	0.5018	46.5335	0.1368
104.1235	0.3863	151.1735	0.4376	205.5355	0.5108	49.4935	0.1702
101.3735	0.3740	153.8435	0.4470	202.8635	0.5157	52.4335	0.1814
98.5735	0.3820	156.6835	0.4442	200.2505	0.5306	55.4135	0.2059
95.7635	0.3668	159.4935	0.4573	197.4955	0.5351	58.5535	0.2164
92.9435	0.3743	162.1035	0.4485	194.8215	0.5350	61.6135	0.2350
90.0635	0.3461	164.7835	0.4459	192.1055	0.5341	64.9635	0.2589
87.3135	0.3315	167.5365	0.4558	189.3725	0.5338	68.0635	0.2784
84.5135	0.3240	170.2285	0.4440	186.4345	0.5457	71.0235	0.3043
81.8235	0.3188	173.0465	0.4459	183.7205	0.5496	74.0435	0.3183
78.9635	0.3044	175.8635	0.4279	181.0445	0.5713	77.0035	0.3290
76.2135	0.2657	178.6375	0.4609	178.3525	0.5604	79.8635	0.3635
73.3335	0.2584	181.3935	0.4323	175.5555	0.5679	82.7035	0.3675
70.5335	0.2550	184.0635	0.4306	172.7795	0.5636	85.5135	0.3830
67.7335	0.2469	186.7615	0.4244	169.9825	0.5817	88.3535	0.4026
64.8735	0.2374	189.5755	0.4215	167.2035	0.5975	91.2235	0.4130
62.1435	0.2179	192.2895	0.4077	164.3735	0.6069	94.0635	0.4276
59.3435	0.2048	195.0465	0.4108	161.6535	0.5841	96.9235	0.4434
56.5735	0.1920	197.8225	0.4047	158.8435	0.5942	99.7935	0.4641
53.7435	0.1760	200.4755	0.4053	156.0635	0.6022	102.5735	0.4689
50.9235	0.1559	203.4755	0.3946	153.1835	0.5831	105.2635	0.4915
48.1035	0.1382	206.1675	0.3973	150.3335	0.5988	108.0435	0.4867
45.3235	0.1258	208.8835	0.3719	147.4335	0.5785	110.7735	0.5126
42.5535	0.1155	211.4945	0.3884	144.5535	0.5751	113.5335	0.5151
39.7935	0.0967	214.2305	0.4030	141.6935	0.5719	116.1835	0.5223
37.0235	0.0750	216.9235	0.3973	138.8035	0.5710	118.9835	0.5261
34.1635	0.0378	219.6595	0.3914	135.9235	0.5646	121.5935	0.5328
31.3235	0.0100	222.3125	0.3948	132.9835	0.5620	124.2935	0.5353
28.2735	0.0350	225.0055	0.3874	129.7035	0.5427	126.9435	0.5447
26.2235	0.0350	227.6995	0.3852	126.7435	0.5460	129.6635	0.5629
28.6835	0.0350	230.3535	0.3696	123.8235	0.5439	132.3335	0.5608
31.5335	0.0213	233.0865	0.3826	121.0035	0.5446	135.0835	0.5680
34.6935	0.0381	235.8425	0.3616	118.1935	0.5328	137.7635	0.5701
37.8035	0.0598	238.5565	0.3631	115.4535	0.5231	140.5135	0.5800
40.6935	0.0766	241.2105	0.3555	112.5335	0.5001	143.1335	0.5759
43.6335	0.0891	243.8215	0.3531	109.6835	0.4976	145.8235	0.5752
46.5335	0.0980	246.4955	0.3525	106.9235	0.4844	148.4335	0.5803
49.4935	0.1278	249.1085	0.3343	104.1235	0.4914	151.1735	0.5862
52.4335	0.1530	251.8635	0.3289	101.3735	0.4750	153.8435	0.5911
55.4135	0.1686	254.5975	0.3281	98.5735	0.4843	156.6835	0.5948
58.5535	0.1739	257.4465	0.3048	95.7635	0.4619	159.4935	0.5982
61.6135	0.1868	260.2754	0.2958	92.9435	0.4532	162.1035	0.5862
64.9635	0.2161	263.0449	0.2863	90.0635	0.4205	164.7835	0.5836
68.0635	0.2406	265.8449	0.2748	87.3135	0.4133	167.5365	0.5910
71.0235	0.2478	267.0922	0.2880	84.5135	0.3928	170.2285	0.5874
74.0435	0.2640	267.0652	0.2887	81.8235	0.3832	173.0465	0.5771
77.0035	0.2718	267.0935	0.2843	78.9635	0.3740	175.8635	0.5592
79.8635	0.2956			76.2135	0.3500	178.6375	0.5851
82.7035	0.3049			73.3335	0.3061	181.3935	0.5649
85.5135	0.3097			70.5335	0.3199	184.0635	0.5644
88.3535	0.3271			67.7335	0.3052	186.7615	0.5567
91.2235	0.3341			64.8735	0.2882	189.5755	0.5449
94.0635	0.3445			62.1835	0.2605	192.2895	0.5366
96.9235	0.3547			59.3435	0.2541	195.0465	0.5361
99.7935	0.3681			56.5735	0.2410	197.8225	0.5330
102.5735	0.3672			53.7435	0.2192	200.4755	0.5241
105.2635	0.3987			50.9235	0.1902	203.4755	0.5122

Scan 13, 130.2 psig

Reinforced Concrete Test Data

Track 8 - High Pressure Test

206.1675	0.5125	150.3335	0.9754	108.0435	0.7360	246.9245	0.9758
208.8835	0.5021	147.4335	0.9550	110.7735	0.7774	244.1085	1.0201
211.4945	0.4988	144.5535	0.9553	113.5335	0.8020	241.2505	1.0432
214.2305	0.5087	141.6935	0.9414	116.1835	0.8079	238.4545	1.0723
216.9235	0.5036	138.8035	0.9374	118.9835	0.8228	235.6595	1.1186
219.6595	0.4931	135.9235	0.9222	121.5935	0.8371	232.8615	1.1518
222.4125	0.4937	132.9835	0.9070	124.2935	0.8463	230.0665	1.1875
225.0055	0.4798	129.7035	0.8906	126.9435	0.8669	227.2715	1.2190
227.6995	0.4741	126.7435	0.8767	129.6635	0.8894	224.5765	1.2234
230.3535	0.4634	123.8235	0.8672	132.3335	0.8989	221.8425	1.2502
233.0865	0.4744	121.0035	0.8573	135.0835	0.9205	219.1275	1.2719
235.8425	0.4453	118.1935	0.8377	137.7635	0.9190	216.3525	1.2940
238.5565	0.4455	115.4535	0.8271	140.5135	0.9285	213.6795	1.3082
241.2105	0.4315	112.5335	0.7928	143.1335	0.9346	210.8835	1.3016
243.8215	0.4243	109.6835	0.7782	145.8235	0.9437	208.1885	1.3046
246.4955	0.4173	106.9235	0.7597	148.4335	0.9506	205.5355	1.3393
249.1085	0.4027	104.1235	0.7364	151.1735	0.9557	202.8635	1.3449
251.8635	0.3874	101.3735	0.7221	153.8435	0.9576	200.2505	1.3663
254.5975	0.3890	98.5735	0.7045	156.6835	0.9722	197.4955	1.3825
257.4465	0.3556	95.7635	0.6673	159.4935	0.9804	194.8215	1.3810
260.2754	0.3471	92.9435	0.6497	162.1035	0.9677	192.1055	1.3923
263.0439	0.3312	90.0635	0.6250	164.7835	0.9672	189.3725	1.3975
265.8449	0.3156	87.3135	0.5975	167.5465	0.9767	186.4345	1.4148
267.0922	0.3210	84.5135	0.5743	170.2285	0.9733	183.7205	1.4261
267.0652	0.3223	81.8235	0.5624	173.0465	0.9733	181.0445	1.4425
267.0935	0.3174	78.9635	0.5343	175.8635	0.9488	178.3525	1.4589
		76.2135	0.4979	178.6375	0.9652	175.5555	1.4484
		73.3335	0.4610	181.3035	0.9562	172.7795	1.4507
		70.5335	0.4310	184.0635	0.9430	169.9825	1.4616
		67.1335	0.4182	186.7635	0.9346	167.2035	1.4885
		64.8735	0.3910	189.5755	0.9137	164.3735	1.5035
		62.1835	0.3678	192.2895	0.9095	161.6535	1.3772
		59.3435	0.3372	195.0435	0.9075	158.8435	1.4685
		56.5735	0.3172	197.8225	0.8960	156.0635	1.4779
		53.7435	0.2866	200.4755	0.8636	153.1835	1.4770
		50.9235	0.2521	203.1755	0.8250	150.3335	1.4738
		48.1035	0.2335	206.1675	0.8732	147.4335	1.4780
		45.3235	0.1925	208.8835	0.8436	144.5335	1.4816
		42.5535	0.1770	211.4945	0.8377	141.6935	1.3898
		39.7935	0.1389	214.2305	0.8519	138.9235	1.3764
		37.0235	0.1201	216.9235	0.8344	135.9235	1.3646
		34.1635	0.0850	219.6595	0.8142	132.9835	1.3455
		31.3735	0.0964	222.4125	0.8136	129.7035	1.3060
		28.2735	0.0350	225.0055	0.7991	126.7435	1.2892
		26.2135	0.0350	227.6995	0.7821	123.8235	1.2731
		23.8835	0.0350	230.3535	0.7771	121.0035	1.2500
		21.5135	0.0337	233.0865	0.7518	118.1935	1.2217
		19.1835	0.0640	235.8425	0.7168	115.4535	1.1964
		16.8035	0.0978	238.5565	0.7079	112.5335	1.1485
		14.6335	0.1219	241.2105	0.6858	109.6835	1.1245
		12.5335	0.1569	243.8215	0.6725	106.9235	1.0882
		10.5335	0.1736	246.4955	0.6572	104.1235	1.0715
		8.4935	0.2108	249.1085	0.6335	101.3735	1.0344
		6.4135	0.2380	251.8635	0.5875	98.5735	1.0101
		5.4135	0.2761	254.5975	0.5641	95.7635	0.9509
		5.5535	0.3010	257.4465	0.5346	92.9435	0.9399
		61.6135	0.3302	260.2754	0.5189	90.0635	0.8850
		64.9635	0.3579	263.0449	0.4910	87.3135	0.8502
		68.0635	0.3924	265.8449	0.4619	84.5135	0.8125
		71.0235	0.4280	267.1075	0.4560	81.8235	0.7741
		74.0435	0.4615	267.0652	0.4671	78.9635	0.7350

Scan 15, 140.2 psig

267.1000	0.6864	267.1000	0.6864	267.1000	0.6864	267.1000	0.6864
267.5386	0.7761	267.5386	0.7761	267.5386	0.7761	267.5386	0.7761
269.3919	0.8127	269.3919	0.8127	269.3919	0.8127	269.3919	0.8127
269.7935	0.8350	269.7935	0.8350	269.7935	0.8350	269.7935	0.8350
272.8835	0.8976	272.8835	0.8976	272.8835	0.8976	272.8835	0.8976
279.8125	0.9280	279.8125	0.9280	279.8125	0.9280	279.8125	0.9280

Reinforced Concrete Test Data

Track 8 - High Pressure Test

45.3235	0.2533	208.8835	1.2925	141.6935	1.9468	116.1835	1.6985
42.5535	0.2269	211.4945	1.2889	138.8035	1.9293	118.9835	1.7286
39.7935	0.1910	214.2305	1.2990	135.9235	1.9029	121.5935	1.7525
37.0235	0.1561	216.9235	1.2787	132.9835	1.8660	124.2935	1.7740
34.1635	0.1134	219.6595	1.2543	129.7035	1.8141	126.9435	1.8100
31.3235	0.0700	222.3125	1.2389	126.7435	1.7967	129.6635	1.8441
28.2735	0.0869	225.0055	1.2224	123.8235	1.7648	132.3335	1.8676
26.2235	0.0350	227.6995	1.1969	121.0035	1.7206	135.0835	1.9049
28.6835	0.0350	230.3535	1.1648	118.1935	1.6867	137.7635	1.9248
31.5335	0.0374	233.0865	1.1553	115.4535	1.6570	140.5135	1.9375
34.6935	0.0982	235.8425	1.1058	112.5335	1.6080	143.1335	1.9409
37.8035	0.1340	238.5565	1.0699	109.6835	1.5842	145.8235	1.9450
40.6935	0.1750	241.2105	1.0287	106.9235	1.5519	148.4335	1.9690
43.6335	0.2171	243.8215	1.0040	104.1235	1.5283	151.1735	2.0091
46.5335	0.2424	246.4955	0.9584	101.3735	1.4854	153.8435	2.0240
49.4935	0.2877	249.1085	0.9225	98.5735	1.4552	156.6835	2.0104
52.4335	0.3260	251.8635	0.8663	95.7635	1.3944	159.4935	2.0170
55.4135	0.3761	254.5975	0.8335	92.9435	1.3579	162.1035	2.0147
58.5535	0.4185	257.4465	0.7700	90.0635	1.3016	164.7835	2.0895
61.6135	0.4548	260.2754	0.7483	87.3135	1.2383	167.5365	2.0136
64.9635	0.5053	263.0449	0.7058	84.5135	1.1766	170.2285	2.0001
68.0635	0.5473	265.8449	0.6582	81.8235	1.1203	173.0465	2.0162
71.0235	0.5938	267.1078	0.6140	78.9635	1.0568	175.8635	1.9947
74.0435	0.6461			76.2135	0.9978	178.6375	1.9983
77.0035	0.6685			73.3335	0.9226	181.3935	1.9831
79.8635	0.7193	Scan 16, 145.8 psig		70.5335	0.8962	184.1135	1.9682
82.7035	0.7650			67.7335	0.8520	186.7135	1.9554
85.5135	0.7944	267.1000	1.0622	64.8735	0.8041	189.5135	1.9309
88.4535	0.8366	265.3715	1.0909	62.1835	0.7333	192.2835	1.9275
91.2235	0.8740	262.5386	1.1458	59.3435	0.6770	195.0465	1.9272
94.0635	0.9266	259.3919	1.2280	56.5735	0.6223	197.8225	1.9218
96.9235	0.9620	256.1125	1.2714	53.7435	0.5738	200.4755	1.9048
99.7935	0.9972	252.8835	1.3278	50.9235	0.5085	203.4755	1.8966
102.5735	1.0244	249.8425	1.4315	48.1035	0.4629	206.1675	1.8815
105.2635	1.0653	246.9245	1.5003	45.3235	0.4054	208.8835	1.8994
108.0435	1.1015	244.1085	1.5564	42.5535	0.3668	211.4945	1.8428
110.7735	1.1330	241.2505	1.5963	39.7935	0.3111	214.2305	1.8644
113.5335	1.1681	238.4545	1.6402	37.0235	0.2564	216.9235	1.8385
116.1835	1.1860	235.6595	1.6919	34.1635	0.2032	219.6595	1.8216
118.9835	1.2067	232.8615	1.7352	31.3235	0.1746	222.3125	1.8110
121.5935	1.2300	230.0665	1.7797	28.2735	0.1400	225.0055	1.7648
124.2935	1.2547	227.2715	1.8047	26.2235	0.1100	227.6995	1.7645
126.9435	1.2790	224.5765	1.8351	28.6835	0.1400	230.3535	1.7188
129.6635	1.3162	221.8425	1.8514	31.5335	0.1407	233.0865	1.6971
132.3335	1.3302	219.1275	1.8784	34.6935	0.1988	235.8425	1.6347
135.0835	1.3508	216.3525	1.8878	37.8035	0.2577	238.5565	1.5947
137.7635	1.3628	213.6795	1.9033	40.6935	0.3065	241.2105	1.5586
140.5135	1.3849	210.8835	1.9059	43.6335	0.3539	243.8215	1.5267
143.1335	1.4014	208.1885	1.8926	46.5335	0.4003	246.4955	1.4641
145.8235	1.3997	205.5355	1.9159	49.4935	0.4579	249.1085	1.4065
148.4335	1.4200	202.8635	1.9091	52.4335	0.5150	251.8635	1.3558
151.1735	1.4243	200.2505	1.9451	55.4135	0.5796	254.5975	1.3166
153.8435	1.4297	197.4955	1.9562	58.5535	0.6329	257.4465	1.2234
156.6835	1.4345	194.8215	1.9698	61.6135	0.6817	260.2754	1.1901
159.4935	1.4515	192.1055	1.9737	64.9635	0.7593	263.0449	1.1212
162.1035	1.4480	189.3725	1.9674	68.0635	0.8199	265.8449	1.0582
164.7835	1.4432	186.4345	1.9809	71.0235	0.8814	267.1078	1.0360
167.5365	1.4493	183.7205	1.9867	74.0435	0.9534	267.0652	1.0482
170.2285	1.4498	181.0445	2.0030	77.0035	0.9852		
173.0465	1.4476	178.3535	2.0260	80.0635	0.9852		
175.8635	1.4190	175.5555	2.0124	82.7035	1.0928	scan 17, 0 psig (posttest)	
178.6375	1.4383	172.7795	2.0188	85.5135	1.1548	267.1000	0.9131
181.3935	1.4166	169.9825	2.0360	88.4535	1.2173	265.3715	0.9433
184.0655	1.4137	167.2035	2.0618	91.2235	1.2685	262.5386	0.9940
186.7615	1.4002	164.4735	2.0363	94.0635	1.3348	259.3919	1.0468
189.5755	1.3792	161.6535	1.9985	96.9235	1.3968	256.1125	1.0882
192.2865	1.3777	158.8435	2.0086	99.7935	1.4547	252.8835	1.1379
195.0465	1.3643	156.0635	2.0530	102.5735	1.4967	249.8425	1.1789
197.8225	1.3539	153.1835	2.0680	105.2635	1.5773	246.9245	1.2303
200.4755	1.3396	150.3335	2.0959	108.0435	1.5775	244.1085	1.2948
203.4755	1.3295	147.4335	2.0194	110.7735	1.6370	241.2505	1.3251
206.1675	1.3176	144.5535	1.9848	113.5335	1.6781		

Reinforced Concrete Test Data

Track 8 - High Pressure Test

238.4845	1.3653	37.0235	0.2114	216.9235	1.5916
235.6595	1.4115	34.1635	0.1712	219.6595	1.5731
232.8615	1.4624	31.3235	0.1400	222.3125	1.5593
230.0665	1.4952	28.2735	0.1100	225.0055	1.5287
227.2715	1.5174	26.2235	0.1400	227.6995	1.5095
224.5765	1.5491	28.6835	0.1400	230.3535	1.4667
221.8425	1.5729	31.5335	0.1400	233.0865	1.4669
219.1275	1.5882	34.6935	0.1770	235.8425	1.4119
216.3525	1.6102	37.8035	0.2004	238.5565	1.3676
213.6795	1.6182	40.6935	0.2297	241.2105	1.3386
210.8835	1.6277	43.6335	0.2583	243.8215	1.2919
208.1885	1.6284	46.5335	0.2788	246.4955	1.2672
205.5355	1.6506	49.4935	0.3163	249.1085	1.2070
202.8635	1.6529	52.4335	0.3574	251.8635	1.1490
200.2505	1.6637	55.3135	0.4079	254.5975	1.1296
197.4955	1.6777	58.5535	0.4474	257.4465	1.0542
194.8215	1.6910	61.6135	0.4809	260.2754	1.0177
192.1055	1.6834	65.9635	0.5352	263.0449	0.9718
189.3725	1.6838	68.0635	0.5898	265.8449	0.9080
186.4345	1.6951	71.0235	0.6368	267.0922	0.9043
183.7205	1.7102	74.0435	0.6877	267.0652	0.9054
181.0445	1.7134	77.0035	0.7296	267.0935	0.9007
178.3525	1.7146	79.8635	0.7870		
175.5555	1.7208	82.7035	0.8374		
172.7795	1.7188	85.5135	0.8700		
169.9875	1.7321	88.3535	0.9296		
167.2035	1.7393	91.2235	0.9868		
164.3735	1.7345	94.0635	1.0275		
161.6735	1.7178	96.9235	1.0760		
158.8435	1.7228	99.7935	1.1210		
156.0635	1.7411	102.8735	1.1681		
153.1835	1.7191	105.2635	1.2458		
150.3335	1.6700	108.0435	1.2481		
147.4335	1.6621	110.7735	1.2963		
144.5835	1.6578	113.5335	1.3315		
141.6935	1.6289	116.1835	1.3614		
138.8035	1.6621	118.9835	1.3960		
135.9235	1.5829	121.5035	1.4275		
132.9835	1.5526	124.2935	1.4477		
129.7035	1.5169	126.9135	1.4753		
126.7435	1.4900	129.6635	1.5218		
123.8235	1.4627	132.4100	1.5482		
121.0035	1.4428	135.0835	1.5734		
118.1935	1.3961	137.7635	1.5907		
115.4535	1.3678	140.5135	1.6066		
112.5335	1.4040	143.1335	1.6325		
109.6635	1.2676	145.8235	1.6488		
106.9235	1.2498	148.4335	1.6637		
104.1235	1.1978	151.1735	1.6620		
101.3735	1.1523	153.8435	1.6968		
98.5735	1.1309	156.6835	1.6982		
95.7635	1.0770	159.4935	1.6983		
92.9435	1.0473	162.1035	1.7050		
90.0635	0.9821	164.7835	1.7043		
87.3135	0.9304	167.5765	1.7214		
84.5135	0.8894	170.2285	1.7240		
81.8235	0.8428	173.0465	1.7143		
78.9635	0.8008	175.8635	1.7027		
76.2135	0.7376	178.6375	1.7085		
73.3335	0.6711	181.3935	1.6989		
70.6735	0.6155	184.0965	1.6775		
67.7335	0.6184	186.7615	1.6807		
64.8735	0.5746	189.5755	1.6766		
62.1835	0.5132	192.2895	1.6709		
59.3435	0.4822	195.0465	1.6733		
56.5735	0.4505	197.8225	1.6692		
53.7435	0.4187	200.4785	1.6540		
50.9235	0.3709	203.4785	1.6415		
48.1035	0.3390	206.1675	1.6416		
45.3235	0.3067	208.8835	1.6092		
42.5535	0.2772	211.4945	1.6090		
39.7935	0.2470	214.2305	1.6116		

END

Reinforced Concrete Test Data

Track 9 - High Pressure Test

Scan 1, 462 psig	64.4209	0.0005	53.3199	0.0009	101.1659	0.0004	
106.1359	0.0003	63.7809	0.0009	51.0229	0.0009	101.8619	0.0000
106.1359	0.0004	63.1569	0.0002	51.7329	0.0008	102.5639	0.0000
106.5649	0.0012	62.5169	0.0009	52.4279	0.0030	103.2599	0.0003
106.6209	0.0006	61.8509	0.0001	53.1349	0.0020	103.9359	0.0007
106.6209	0.0006	61.2259	0.0004	53.8409	0.0006	104.6519	0.0107
106.6209	0.0004	60.6019	0.0000	54.5649	0.0006	105.3409	0.0125
106.6209	0.0004	59.9809	0.0000	55.2649	0.0000	106.0169	0.0111
106.6209	0.0007	59.3599	0.0000	56.0049	0.0013	106.7469	0.0103
106.6209	0.0006	58.7309	0.0000	56.8069	0.0020	107.4359	0.0087
106.6209	0.0007	58.0409	0.0000	57.4889	0.0010	108.1252	0.0090
106.6209	0.0008	57.4149	0.0001	58.2249	0.0003	108.8346	0.0061
106.6209	0.0008	56.7909	0.0007	58.9309	0.0045	109.2606	0.0081
106.6209	0.0008	56.1169	0.0004	59.6319	0.0015	107.5978	0.0085
106.6209	0.0004	55.4609	0.0000	60.3209	0.0000	106.8950	0.0110
106.6209	0.0006	54.8529	0.0001	61.0159	0.0002	106.1789	0.0135
106.6209	0.0006	54.1609	0.0000	61.7149	0.0039	105.5244	0.0091
106.6209	0.0006	53.6209	0.0000	62.4219	0.0027	104.7681	0.0130
106.6209	0.0006	52.9119	0.0000	63.1249	0.0057	103.9968	0.0134
106.6209	0.0006	52.2109	0.0000	63.8199	0.0011	103.3382	0.0139
106.6209	0.0004	51.6809	0.0000	64.5209	0.0028	102.4634	0.0134
106.6209	0.0006	51.0829	0.0000	65.1909	0.0027	101.8430	0.0124
106.6209	0.0006	50.7469	0.0001	65.8209	0.0000	101.2917	0.0103
106.6209	0.0006	49.9709	0.0004	66.4709	0.0001	100.7058	0.0118
106.6209	0.0006	49.5809	0.0000	67.1809	0.0003	117.3009	0.0010
94.4119	0.0004	48.4209	0.0000	67.8509	0.0013		
92.1109	0.0001	47.7409	0.0002	68.5009	0.0013		
92.1109	0.0001	47.1229	0.0000	69.1809	0.0017		
92.5369	0.0002	46.4409	0.0001	69.8109	0.0017		
92.5369	0.0001	45.7209	0.0001	70.4609	0.0043		
92.5369	0.0001	45.0409	0.0001	71.1109	0.0008		
92.5369	0.0001	44.3709	0.0000	71.7609	0.0045		
92.5369	0.0001	43.7009	0.0000	72.4109	0.0048		
92.5369	0.0001	43.0209	0.0002	73.0609	0.0011		
92.5369	0.0001	42.3509	0.0000	73.7109	0.0044		
92.5369	0.0001	41.6809	0.0000	74.3609	0.0047		
92.5369	0.0001	41.0209	0.0000	75.0109	0.0000		
92.5369	0.0001	40.3509	0.0000	75.6609	0.0000		
92.5369	0.0001	39.6809	0.0001	76.3109	0.0000		
92.5369	0.0001	39.0109	0.0000	76.9609	0.0000		
92.5369	0.0001	38.3409	0.0000	77.6109	0.0000		
92.5369	0.0001	37.6709	0.0000	78.2609	0.0000		
92.5369	0.0001	37.0009	0.0000	78.9109	0.0000		
92.5369	0.0001	36.3309	0.0000	79.5609	0.0000		
92.5369	0.0001	35.6609	0.0000	80.2109	0.0000		
92.5369	0.0001	34.9909	0.0000	80.8609	0.0000		
92.5369	0.0001	34.3209	0.0000	81.5109	0.0000		
92.5369	0.0001	33.6509	0.0000	82.1609	0.0000		
92.5369	0.0001	32.9809	0.0000	82.8109	0.0000		
92.5369	0.0001	32.3109	0.0000	83.4609	0.0000		
92.5369	0.0001	31.6409	0.0000	84.1109	0.0000		
92.5369	0.0001	30.9709	0.0000	84.7609	0.0000		
92.5369	0.0001	30.3009	0.0000	85.4109	0.0000		
92.5369	0.0001	29.6309	0.0000	86.0609	0.0000		
92.5369	0.0001	28.9609	0.0000	86.7109	0.0000		
92.5369	0.0001	28.2909	0.0000	87.3609	0.0000		
92.5369	0.0001	27.6209	0.0000	88.0109	0.0000		
92.5369	0.0001	26.9509	0.0000	88.6609	0.0000		
92.5369	0.0001	26.2809	0.0000	89.3109	0.0000		
92.5369	0.0001	25.6109	0.0000	89.9609	0.0000		
92.5369	0.0001	24.9409	0.0000	90.6109	0.0000		
92.5369	0.0001	24.2709	0.0000	91.2609	0.0000		
92.5369	0.0001	23.6009	0.0000	91.9109	0.0000		
92.5369	0.0001	22.9309	0.0000	92.5609	0.0000		
92.5369	0.0001	22.2609	0.0000	93.2109	0.0000		
92.5369	0.0001	21.5909	0.0000	93.8609	0.0000		
92.5369	0.0001	20.9209	0.0000	94.5109	0.0000		
92.5369	0.0001	20.2509	0.0000	95.1609	0.0000		
92.5369	0.0001	19.5809	0.0000	95.8109	0.0000		
92.5369	0.0001	18.9109	0.0000	96.4609	0.0000		
92.5369	0.0001	18.2409	0.0000	97.1109	0.0000		
92.5369	0.0001	17.5709	0.0000	97.7609	0.0000		
92.5369	0.0001	16.9009	0.0000	98.4109	0.0000		
92.5369	0.0001	16.2309	0.0000	99.0609	0.0000		
92.5369	0.0001	15.5609	0.0000	99.7109	0.0000		
92.5369	0.0001	14.8909	0.0000	100.3609	0.0000		
92.5369	0.0001	14.2209	0.0000	101.0109	0.0000		
92.5369	0.0001	13.5509	0.0000	101.6609	0.0000		
92.5369	0.0001	12.8809	0.0000	102.3109	0.0000		
92.5369	0.0001	12.2109	0.0000	102.9609	0.0000		
92.5369	0.0001	11.5409	0.0000	103.6109	0.0000		
92.5369	0.0001	10.8709	0.0000	104.2609	0.0000		
92.5369	0.0001	10.2009	0.0000	104.9109	0.0000		
92.5369	0.0001	9.5309	0.0000	105.5609	0.0000		
92.5369	0.0001	8.8609	0.0000	106.2109	0.0000		
92.5369	0.0001	8.1909	0.0000	106.8609	0.0000		
92.5369	0.0001	7.5209	0.0000	107.5109	0.0000		
92.5369	0.0001	6.8509	0.0000	108.1609	0.0000		
92.5369	0.0001	6.1809	0.0000	108.8109	0.0000		
92.5369	0.0001	5.5109	0.0000	109.4609	0.0000		
92.5369	0.0001	4.8409	0.0000	110.1109	0.0000		
92.5369	0.0001	4.1709	0.0000	110.7609	0.0000		

Scan 2, 596 psig

106.8350	0.0044
106.1589	0.0000
107.5649	0.0000
106.9629	0.0002
106.3909	0.0003
105.6909	0.0000
105.0909	0.0000
104.4429	0.0003
103.7449	0.0000
103.2059	0.0000
102.5709	0.0000
101.9009	0.0000
101.3709	0.0000
100.6709	0.0000
100.0009	0.0000
99.3509	0.0000
98.6809	0.0000
98.0009	0.0000
97.3509	0.0000
96.6609	0.0000
96.0009	0.0000
95.3509	0.0000
94.7009	0.0000
94.0509	0.0000
93.4009	0.0000
92.7509	0.0000
92.1009	0.0000
91.4509	0.0000
90.8009	0.0000
90.1509	0.0000
89.5009	0.0000
88.8509	0.0000
88.2009	0.0000
87.5509	0.0000
86.9009	0.0000
86.2509	0.0000
85.6009	0.0000
84.9509	0.0000
84.3009	0.0000
83.6509	0.0000
83.0009	0.0000
82.3509	0.0000
81.7009	0.0000
81.0509	0.0000
80.4009	0.0000
79.7509	0.0000
79.1009	0.0000
78.4509	0.0000
77.8009	0.0000
77.1509	0.0000
76.5009	0.0000
75.8509	0.0000
75.2009	0.0000
74.5509	0.0000
73.9009	0.0000
73.2509	0.0000
72.6009	0.0000
71.9509	0.0000
71.3009	0.0000
70.6509	0.0000
70.0009	0.0000
69.3509	0.0000
68.7009	0.0000
68.0509	0.0000
67.4009	0.0000
66.7509	0.0000
66.1009	0.0000
65.4509	0.0000
64.8009	0.0000
64.1509	0.0000
63.5009	0.0000
62.8509	0.0000
62.2009	0.0000
61.5509	0.0000
60.9009	0.0000
60.2509	0.0000
59.6009	0.0000
58.9509	0.0000
58.3009	0.0000
57.6509	0.0000
57.0009	0.0000
56.3509	0.0000
55.7009	0.0000
55.0509	0.0000
54.4009	0.0000
53.7509	0.0000
53.1009	0.0000
52.4509	0.0000
51.8009	0.0000
51.1509	0.0000
50.5009	0.0000
49.8509	0.0000
49.2009	0.0000
48.5509	0.0000
47.9009	0.0000
47.2509	0.0000
46.6009	0.0000
45.9509	0.0000
45.3009	0.0000
44.6509	0.0000
44.0009	0.0000
43.3509	0.0000
42.7009	0.0000
42.0509	0.0000
41.4009	0.0000
40.7509	0.0000
40.1009	0.0000
39.4509	0.0000
38.8009	0.0000
38.1509	0.0000
37.5009	0.0000
36.8509	0.0000
36.2009	0.0000
35.5509	0.0000
34.9009	0.0000
34.2509	0.0000
33.6009	0.0000
32.9509	0.0000
32.3009	0.0000
31.6509	0.0000
31.0009	0.0000
30.3509	0.00

Reinforced Concrete Test Data

Track 9 - High Pressure Test

81.0639	0.0021	34.1449	0.0010	82.9429	0.0061	96.9629	0.0010
80.4149	0.0064	33.4679	-0.0007	83.6319	-0.0002	96.3209	0.0015
79.7869	0.0062	33.4679	0.0007	84.3129	0.0021	95.6589	-0.0045
79.2129	0.0055	34.0099	0.0027	85.0369	-0.0030	95.0569	-0.0038
78.5579	0.0086	34.5499	0.0006	85.7259	-0.0017	94.4219	0.0040
77.9079	0.0036	35.2269	0.0010	86.4429	-0.0007	93.7739	-0.0027
77.1729	0.0005	35.9519	0.0070	87.1589	0.0042	93.1859	0.0022
76.5309	0.0044	36.7109	0.0034	87.8339	0.0012	92.5369	0.0014
75.8409	0.0021	37.4559	0.0013	88.5649	0.0009	91.8949	0.0002
75.2809	0.0009	38.1999	0.0031	89.2529	0.0093	91.2729	0.0053
74.5909	0.0030	38.9409	0.0024	89.9019	0.0018	90.6379	0.0026
73.9489	0.0053	39.6819	0.0019	90.6049	0.0030	89.9019	-0.0019
73.3749	0.0056	40.4089	0.0007	91.4289	0.0053	89.3349	-0.0015
72.7269	0.0033	41.1179	0.0033	92.0979	0.0045	88.7259	-0.0007
72.0639	0.0010	41.7999	0.0029	92.8139	0.0040	88.0709	0.0006
71.4079	0.0004	42.4879	-0.0024	93.5369	0.0027	87.4079	0.0013
70.8209	0.0047	43.2119	-0.0026	94.1859	0.0001	86.8009	0.0001
70.1909	0.0029	43.9079	0.0033	94.9149	0.0024	86.1249	0.0004
69.5229	0.0020	44.6459	0.0004	95.6049	0.0010	85.5239	0.0088
68.9289	0.0026	45.3419	0.0033	96.3079	0.0008	84.8739	0.0021
68.2709	0.0010	46.0229	0.0006	97.0299	0.0016	84.1929	0.0002
67.6219	0.0016	46.7669	0.0005	97.7129	0.0028	83.5979	0.0070
67.0009	0.0025	47.4659	0.0027	98.4159	0.0087	82.9829	0.0020
66.3509	0.0034	48.1989	0.0010	99.1049	0.0110	82.3009	0.0001
65.6849	0.0031	48.8939	0.0017	99.7509	0.0066	81.7189	0.0011
65.0809	0.0031	49.6109	0.0008	100.4359	0.0066	81.0639	0.0001
64.4209	0.0062	50.3109	0.0027	101.1659	0.0011	80.4149	0.0020
63.7809	0.0070	51.0229	0.0002	101.8619	0.0046	79.7869	0.0019
63.1569	0.0070	51.7339	0.0004	102.5639	0.0028	79.2129	0.0013
62.5169	0.0078	52.4219	0.0041	103.2599	0.0043	78.5579	0.0015
61.8509	0.0006	53.1449	0.0013	103.9459	0.0007	77.9079	-0.0009
61.2259	0.0010	53.8409	0.0002	104.6519	0.0054	77.1729	-0.0007
60.6019	-0.0001	54.5649	0.0040	105.3499	0.0009	76.5309	0.0056
59.9809	0.0007	55.2669	0.0035	106.0169	0.0108	75.8409	0.0004
59.3199	0.0020	56.0089	0.0006	106.7409	0.0107	75.2599	0.0002
58.7199	0.0014	56.7909	0.0012	107.4259	0.0060	74.5909	0.0011
58.0499	0.0006	57.4889	0.0017	108.1359	0.0046	73.9489	0.0001
57.4149	0.0000	58.2249	0.0029	108.8416	0.0050	73.3749	0.0002
56.7929	0.0028	58.9309	0.0018	109.2666	0.0056	72.7269	0.0007
56.1169	0.0020	59.6319	0.0000	109.5908	0.0066	72.0639	0.0008
55.4689	0.0014	60.3209	0.0020	109.8980	0.0000	71.4699	0.0048
54.8529	0.0070	61.0159	0.0030	109.1789	0.0148	70.8209	0.0052
54.1639	0.0007	61.7119	0.0002	109.5284	0.0117	70.1989	0.0040
53.6029	0.0013	62.4219	0.0005	110.1681	0.0120	69.5229	0.0003
52.9619	0.0002	63.1144	0.0000	110.6948	0.0085	68.9289	0.0007
52.2709	0.0006	63.8409	0.0010	111.2462	0.0124	68.2709	0.0012
51.6819	0.0006	64.5249	0.0005	111.7634	0.0150	67.6219	0.0023
50.9829	0.0000	65.2089	0.0008	112.8470	0.0035	67.0009	0.0015
50.3469	0.0010	65.9219	0.0020	113.2907	0.0129	66.3509	0.0005
49.6619	0.0010	66.6769	0.0027	113.9512	0.0051	65.6849	0.0003
49.0569	0.0011	67.3509	0.0008	Scan 3, 69.5 psig		65.0509	0.0002
48.4289	0.0002	68.0169	0.0014	108.8759	0.0102	64.4209	0.0140
47.7469	0.0009	68.8009	0.0036	108.1589	0.0056	63.7809	0.0004
47.1229	0.0007	69.4259	0.0009	107.5649	0.0048	63.1569	0.0005
46.4349	0.0003	70.1929	0.0023	106.9629	-0.0021	62.5169	0.0047
45.7479	0.0003	70.9019	0.0006	106.7009	-0.0011	61.8509	-0.0013
45.0759	0.0005	71.6349	0.0007	105.6929	-0.0005	61.2259	-0.0040
44.4079	0.0001	72.2809	0.0002	105.0979	0.0000	60.6049	0.0039
43.7319	0.0014	72.0439	0.0001	104.4429	0.0073	59.9809	0.0006
43.0939	0.0013	73.7399	0.0083	103.8149	0.0009	59.3199	0.0075
42.4089	0.0017	74.4429	0.0099	103.2059	0.0052	58.7199	0.0051
41.7509	0.0013	75.1419	0.0007	102.5779	0.0030	58.0499	0.0013
41.1249	0.0071	75.8419	0.0002	101.9509	0.0063	57.4149	0.0009
40.4519	0.0016	76.5309	0.0006	101.3019	0.0031	56.7929	0.0018
39.7509	0.0016	77.0909	0.0008	100.6469	-0.0005	56.1169	0.0000
39.1409	0.0034	77.7129	0.0005	99.9459	0.0025	55.4689	0.0028
38.7259	0.0000	78.4289	0.0025	99.2709	0.0000	54.8529	0.0000
37.0509	0.0003	79.0909	0.0058	98.8709	0.0001	54.1639	0.0013
36.3069	0.0002	80.8219	0.0028	98.2659	0.0001	53.6029	0.0013
35.5629	0.0000	81.5509	0.0013	97.8779	0.0026	52.9619	0.0002
34.8309	0.0109	82.2129	0.0041			51.6519	0.0115

Reinforced Concrete Test Data

Track 9 - High Pressure Test

50.9829	0.0026	65.2389	-0.0023	101.8170	0.0019	67.6249	-0.0119
50.9469	0.0017	65.9289	-0.0056	101.2937	0.0074	67.0309	-0.0066
49.6919	0.0020	66.6789	0.0014	116.9542	0.0013	66.3539	-0.0120
49.0569	0.0047	67.3539	-0.0003			65.6849	-0.0097
48.4289	-0.0029	68.0569	0.0002			65.0509	-0.0109
47.7559	0.0028	68.8009	0.0013	Scan 4, 80.2 psig		64.4209	0.0008
47.1229	0.0019	69.4759	0.0005			63.7809	-0.0034
46.4349	0.0047	70.1929	-0.0064	108.8750	0.0247	63.1569	0.0036
45.7459	0.0049	70.9019	-0.0061	108.1589	0.0347	62.5169	-0.0026
45.0359	-0.0066	71.6119	-0.0056	107.5649	0.0310	61.8539	-0.0088
44.3749	0.0033	72.2869	-0.0026	106.9629	-0.0268	61.2259	-0.0128
43.7319	0.0019	73.0429	-0.0025	106.3079	-0.0224	60.6049	-0.0130
43.0979	0.0028	73.7399	0.0015	105.6929	0.0214	59.9899	-0.0126
42.4089	0.0022	74.4429	0.0002	105.0979	-0.0216	59.3199	0.0136
41.7589	0.0040	75.1579	0.0041	104.4429	-0.0224	58.7199	0.0102
41.1249	0.0020	75.8139	0.0013	103.8149	-0.0255	58.0499	-0.0071
40.4559	0.0047	76.5839	0.0021	103.2059	0.0235	57.4149	-0.0050
39.7369	0.0033	77.2799	0.0012	102.5779	0.0231	56.7929	-0.0018
39.1859	0.0020	77.9969	0.0023	101.9089	-0.0298	56.1169	-0.0023
38.4689	0.0037	78.7129	-0.0029	101.3079	-0.0203	55.4639	-0.0045
37.7259	-0.0008	79.4289	-0.0044	100.6729	-0.0174	54.8529	-0.0034
37.0369	0.0006	80.0979	0.0002	100.0369	-0.0215	54.1639	0.0031
36.3689	0.0044	80.8279	0.0023	99.4559	-0.0214	53.6029	-0.0070
35.6629	-0.0042	81.5509	0.0019	98.8549	-0.0256	52.9149	-0.0070
34.8869	0.0045	82.2129	0.0026	98.2079	-0.0175	52.2599	0.0082
34.1449	0.0017	82.9429	0.0010	97.5759	0.0170	51.6519	0.0108
33.4679	0.0010	83.6319	-0.0045	96.9629	0.0253	50.9829	0.0073
33.4679	0.0010	84.3129	0.0009	96.3209	-0.0266	50.3469	0.0049
33.0099	0.0016	85.0769	0.0065	95.6589	0.0255	49.6919	-0.0055
34.5199	0.0041	85.7259	0.0060	95.0569	0.0233	49.0569	0.0125
35.2269	0.0048	86.4429	0.0016	94.4219	0.0232	48.4289	0.0043
35.9019	0.0040	87.1539	0.0051	93.7749	0.0177	47.7469	-0.0031
36.3109	0.0014	87.8739	0.0044	93.1859	0.0205	47.1229	0.0048
37.4559	0.0063	88.5649	0.0026	92.5369	0.0250	46.4349	0.0017
38.1999	0.0005	89.2529	0.0011	91.8949	0.0224	45.7459	0.0099
38.9409	0.0040	89.9619	0.0010	91.2029	0.0128	45.0359	0.0091
39.6819	0.0026	90.6049	0.0027	90.6729	0.0129	44.3749	0.0007
40.4089	0.0001	91.4289	0.0013	89.9019	0.0201	43.7319	0.0038
41.1179	0.0031	92.0979	0.0013	89.3449	0.0234	43.0979	0.0018
41.7999	0.0044	92.8179	0.0073	88.7359	0.0229	42.4089	0.0031
42.4879	0.0014	93.5369	0.0031	88.0709	0.0251	41.7589	0.0049
43.2119	0.0027	94.1859	-0.0061	87.4049	0.0160	41.1249	0.0027
43.9079	0.0021	94.9149	0.0040	86.8009	0.0188	40.4559	0.0038
44.6459	0.0006	95.6049	0.0006	86.1219	0.0171	39.7809	-0.0040
45.3479	0.0029	96.3079	0.0021	85.5239	0.0162	39.1859	-0.0009
46.0229	0.0008	97.0299	0.0051	84.8739	0.0164	38.4689	-0.0022
46.7869	0.0017	97.7179	0.0017	84.1929	0.0148	37.7259	0.0070
47.4759	0.0018	98.4179	0.0029	83.5779	0.0145	37.0509	-0.0017
48.1669	0.0032	99.1019	0.0026	82.9819	0.0167	36.3669	0.0020
48.8759	0.0047	99.7509	0.0017	82.3009	0.0175	35.6629	0.0025
49.6109	0.0000	100.4359	0.0043	81.7189	0.0160	34.8869	-0.0070
50.3199	0.0002	101.1679	-0.0065	81.0639	0.0164	34.1449	0.0015
51.0229	0.0012	101.8619	0.0021	80.4149	-0.0167	33.5379	0.0010
51.7329	0.0018	102.5639	0.0047	79.7869	-0.0154	33.4679	0.0034
52.4279	0.0040	103.2599	0.0021	79.2129	0.0109	33.0099	-0.0010
53.1449	-0.0023	103.9359	0.0005	78.5579	0.0131	33.5499	0.0015
53.8769	0.0007	104.6319	0.0002	77.9029	0.0154	35.2269	0.0034
54.5649	0.0053	105.3409	0.0030	77.1729	-0.0124	35.9679	0.0002
55.2	0.0008	106.0469	0.0023	76.3809	-0.0177	36.7109	-0.0043
56.0849	0.0027	106.7469	0.0020	75.8409	0.0167	37.4559	-0.0030
56.8069	0.0005	107.4359	0.0017	75.2509	0.0128	38.1999	0.0099
57.4889	0.0048	108.1252	-0.0064	74.5969	-0.0124	38.9409	-0.0046
58.2249	0.0046	108.8346	0.0020	73.9489	0.0103	39.6849	0.0005
58.9339	-0.0010	109.2666	-0.0006	73.3749	0.0028	40.4089	0.0054
59.6319	0.0009	109.5978	0.0093	72.7269	0.0128	41.1179	0.0057
60.3209	0.0003	109.8950	0.0042	72.0639	0.0116	41.7999	0.0079
61.0159	0.0033	109.1956	0.0065	71.4699	0.0067	42.4879	0.0058
61.7119	0.0022	109.5234	0.0055	70.8709	0.0083	43.2119	0.0034
62.4219	0.0018	104.7681	0.0042	70.1989	0.0101	43.9079	0.0055
63.1249	0.0012	104.9696	0.0025	69.5279	0.0040	44.6479	0.0051
63.8199	0.0024	104.2752	0.0105	68.9289	0.0092	45.3479	0.0107
64.5229	0.0025	102.4634	0.0076	68.2779	0.0095	46.0229	0.0101

Reinforced Concrete Test Data

Track 9 - High Pressure Test

46.7869	-0.0085	97.7129	-0.0238	84.1929	-0.0255	37.7259	-0.0096
47.4559	-0.0047	98.4159	-0.0196	83.5979	0.0037	37.0509	0.0031
48.1989	-0.0074	99.1049	-0.0160	82.9829	-0.0267	36.3069	-0.0020
48.8959	-0.0127	99.7539	-0.0210	82.3009	0.0306	35.5629	-0.0053
49.6109	-0.0060	100.4359	-0.0230	81.7189	0.0292	34.8869	-0.0094
50.3199	-0.0126	101.1659	-0.0280	81.0639	-0.0290	34.1449	-0.0047
51.0229	-0.0054	101.8619	-0.0264	80.4149	-0.0258	33.4679	-0.0069
51.7329	-0.0092	102.5639	-0.0286	79.7869	-0.0256	33.4679	-0.0069
52.4279	-0.0078	103.2599	-0.0279	79.2129	-0.0260	34.0099	-0.0010
53.1449	-0.0108	103.9359	-0.0250	78.5579	-0.0204	34.5499	-0.0070
53.8409	-0.0130	104.6519	0.0236	77.9079	-0.0223	35.2269	0.0001
54.5649	0.0171	105.3409	0.0209	77.1729	0.0176	35.9019	-0.0027
55.2669	0.0136	106.0169	0.0207	76.5309	-0.0184	36.7109	-0.0070
56.0839	0.0083	106.7469	-0.0230	75.8409	0.0245	37.4559	-0.0040
56.8069	-0.0113	107.4359	-0.0284	75.2599	-0.0219	38.1999	0.0036
57.4889	-0.0119	108.1252	0.0296	74.5969	-0.0226	38.9409	-0.0036
58.2249	0.0110	108.8346	0.0298	73.9489	-0.0229	39.6849	0.0030
58.9339	0.0091	108.2666	-0.0279	73.3749	-0.0211	40.4089	0.0078
59.6319	-0.0093	107.5978	0.0266	72.7269	-0.0332	41.1179	-0.0094
60.3209	0.0102	106.8950	-0.0225	72.0639	0.0221	41.7999	-0.0123
61.0159	0.0108	106.1789	0.0201	71.4699	0.0141	42.4879	-0.0074
61.7119	0.0142	105.5234	0.0226	70.8209	0.0144	43.2119	0.0055
62.4219	0.0145	104.7681	0.0239	70.1989	-0.0154	43.9079	0.0085
63.1249	0.0116	103.9998	0.0275	69.5229	0.0143	44.6459	0.0102
63.8199	0.0145	103.2782	-0.0238	68.9269	0.0215	45.3479	-0.0147
64.5239	0.0117	102.4634	0.0160	68.2739	0.0210	46.0229	-0.0079
65.2339	0.0145	101.8470	0.0219	67.6249	-0.0203	46.7869	0.0088
65.9289	0.0148	101.2937	0.0216	67.0399	-0.0171	47.4559	0.0096
66.6789	0.0108	116.9542	0.0168	66.3539	0.0162	48.1989	0.0119
67.3539	0.0154			65.6649	0.0164	48.8959	0.0174
68.0569	0.0172			65.0509	0.0170	49.6109	0.0108
68.8009	0.0131			64.4209	0.0044	50.3199	0.0145
69.4759	-0.0171			63.7809	0.0121	51.0229	-0.0116
70.1929	-0.0179	108.8750	0.0402	63.1569	-0.0147	51.7329	0.0133
70.9019	-0.0142	108.1589	0.0504	62.5169	-0.0113	52.4279	0.0140
71.6119	-0.0139	107.5649	0.0465	61.8539	0.0185	53.1449	0.0167
72.2869	0.0139	106.9629	-0.0451	61.2259	-0.0208	53.8409	0.0153
73.0429	-0.0136	106.3079	-0.0434	60.6049	0.0180	54.5649	0.0190
73.7359	0.0137	105.6929	0.0448	59.9899	0.0220	55.2669	0.0168
74.4429	0.0159	105.0979	0.0381	59.3199	0.0185	56.0839	-0.0149
75.1579	0.0159	104.4429	0.0341	58.7199	0.0152	56.8069	-0.0182
75.8129	0.0164	103.8149	0.0420	58.0499	0.0151	57.4889	-0.0175
76.5879	0.0150	103.2059	0.0380	57.4149	0.0124	58.2249	0.0178
77.2799	0.0163	102.5739	0.0399	56.7929	-0.0123	58.9339	0.0160
77.9969	0.0156	101.9089	0.0419	56.1169	0.0105	59.6319	0.0162
78.7129	0.0225	101.3079	0.0401	55.4689	0.0135	60.3209	-0.0150
79.4289	0.0135	100.6729	-0.0395	54.8529	0.0100	61.0159	0.0140
80.0979	-0.0169	100.0769	-0.0398	54.1639	0.0123	61.7119	0.0198
80.8279	0.0129	99.4559	0.0413	53.6029	-0.0127	62.4219	-0.0180
81.5569	0.0147	98.8549	0.0384	52.9149	0.0131	63.1249	-0.0226
82.2129	0.0164	98.2059	0.0315	52.2599	-0.0134	63.8199	-0.0220
82.9429	0.0165	97.5779	0.0310	51.6519	0.0138	64.5239	-0.0247
83.6319	0.0186	96.9629	0.0389	50.9829	-0.0118	65.2389	-0.0224
84.3129	-0.0148	96.3209	0.0412	50.3469	0.0091	65.9289	-0.0229
85.0279	0.0308	95.6589	0.0393	49.6919	0.0099	66.6789	0.0205
85.7259	0.0233	95.0569	0.0370	49.0569	0.0143	67.3539	0.0232
86.4429	-0.0224	94.4219	0.0376	48.4289	-0.0118	68.0569	0.0244
87.1589	0.0218	93.7739	0.0358	47.7469	0.0113	68.8009	0.0209
87.8339	0.0245	93.1859	0.0359	47.1229	-0.0241	69.4759	0.0241
88.5649	-0.0231	92.5339	0.0342	46.4319	0.0060	70.1929	-0.0273
89.2529	-0.0224	91.8949	0.0385	45.7459	-0.0102	70.9019	0.0239
89.9019	0.0199	91.2729	-0.0272	45.0459	0.0113	71.6119	-0.0247
90.6049	0.0145	90.6379	0.0282	44.3749	0.0034	72.2869	0.0232
91.3289	0.0224	89.9019	-0.0312	43.7319	0.0053	73.0429	-0.0277
92.0979	0.0200	89.3349	0.0304	43.0979	0.0037	73.7359	0.0240
92.8139	0.0225	88.7259	0.0331	42.4089	0.0020	74.4429	0.0271
93.5369	0.0233	88.0709	0.0305	41.7589	0.0073	75.1579	0.0225
94.1859	0.0268	87.4079	0.0317	41.1249	0.0372	75.8129	-0.0255
94.9149	-0.0279	86.8009	0.0321	40.4559	-0.0067	76.5879	0.0283
95.6049	0.0362	86.1249	-0.0289	39.7809	0.0057	77.2799	0.0276
96.3079	0.0226	85.5239	0.0364	39.1859	0.0010	77.9969	0.0265
97.0279	0.0218	84.8739	0.0273	38.4689	-0.0055	78.7129	0.0367

Scan 5: 90.6 psig

Reinforced Concrete Test Data

Track 9 - High Pressure Test

79.4289	-0.0323	100.0369	-0.0399	54.1639	-0.0143	61.7119	-0.0218
80.9979	-0.0287	99.4559	-0.0422	53.6029	-0.0160	62.4219	-0.0206
80.8279	-0.0310	98.8549	-0.0429	52.9149	-0.0170	63.1249	-0.0210
81.5509	-0.0239	98.2059	-0.0324	52.2599	-0.0111	63.8199	-0.0223
82.2129	-0.0266	97.5779	-0.0330	51.6519	-0.0134	64.5239	-0.0235
82.9429	-0.0250	96.9629	0.0380	50.9829	-0.0100	65.2389	-0.0236
83.6319	-0.0303	96.3209	-0.0412	50.3469	-0.0069	65.9289	-0.0239
84.3129	-0.0318	95.6589	0.0394	49.6919	0.0118	66.6789	-0.0210
85.0369	-0.0367	95.0569	0.0385	49.0569	-0.0152	67.3539	-0.0246
85.7259	-0.0355	94.4219	-0.0423	48.4289	-0.0088	68.0569	-0.0293
86.4429	-0.0369	93.7739	-0.0373	47.7469	-0.0119	68.8009	0.0240
87.1589	-0.0350	93.1859	-0.0356	47.1229	-0.0108	69.4759	-0.0272
87.8339	-0.0315	92.5369	-0.0450	46.4349	-0.0037	70.1929	0.0274
88.5649	0.0326	91.8949	-0.0384	45.7459	-0.0109	70.9019	-0.0253
89.2529	0.0341	91.2729	-0.0265	45.0359	-0.0098	71.6119	-0.0267
89.9019	-0.0353	90.6379	-0.0294	44.3749	-0.0046	72.2869	-0.0275
90.6049	-0.0299	89.9019	-0.0384	43.7319	0.0051	73.0429	-0.0292
91.4289	-0.0355	89.3349	0.0374	43.0979	-0.0027	73.7399	-0.0249
92.0979	-0.0347	88.7359	0.0352	42.4089	-0.0025	74.4429	0.0306
92.8139	0.0357	88.0709	0.0337	41.7589	-0.0078	75.1579	-0.0244
93.5369	-0.0347	87.4079	0.0276	41.1249	-0.0068	75.8139	-0.0263
94.1859	-0.0417	86.8009	0.0298	40.4559	-0.0049	76.5839	-0.0284
94.9149	0.0396	86.1249	0.0294	39.7809	-0.0069	77.2799	0.0276
95.6049	-0.0330	85.5279	0.0341	39.1859	-0.0001	77.9969	-0.0302
96.3079	-0.0396	84.8739	-0.0283	38.4689	-0.0047	78.7129	0.0389
97.0299	0.0369	84.1929	0.0292	37.7259	-0.0080	79.4289	-0.0348
97.7129	-0.0430	83.5979	0.0002	37.0509	-0.0035	80.0979	-0.0323
98.4159	-0.0398	82.9829	0.0306	36.3089	-0.0010	80.8279	-0.0316
99.1049	-0.0350	82.3009	-0.0290	35.5629	-0.0045	81.5509	-0.0313
99.7539	0.0400	81.7189	0.0266	34.8869	-0.0080	82.2129	0.0293
100.4359	-0.0404	81.0639	0.0267	34.1449	0.0021	82.9429	-0.0275
101.1659	-0.0406	80.4149	0.0268	33.5379	0.0010	83.6319	-0.0307
101.8619	-0.0369	79.7869	0.0275	33.4679	-0.0033	84.3129	-0.0328
102.5639	-0.0390	79.2129	0.0272	34.0099	0.0010	85.0369	-0.0467
103.2599	0.0390	78.5579	0.0235	34.5499	0.0013	85.7259	-0.0343
103.9359	0.0387	77.9079	0.0253	35.2269	0.0000	86.4429	-0.0359
104.6519	0.0291	77.1729	0.0244	35.9019	-0.0040	87.1589	-0.0394
105.3469	-0.0199	76.5309	-0.0183	36.7109	-0.0070	87.8339	-0.0376
106.0169	-0.0424	75.8409	-0.0225	37.4559	0.0050	88.5649	-0.0390
106.7469	-0.0433	75.2599	0.0224	38.1999	0.0080	89.2529	-0.0382
107.4359	0.0460	74.5969	0.0253	38.9409	-0.0044	89.9019	0.0366
108.1252	-0.0462	73.9489	0.0249	39.6849	-0.0062	90.6049	0.0330
108.8346	-0.0460	73.3379	0.0190	40.4089	0.0110	91.4289	0.0346
108.2666	-0.0444	72.7269	0.0260	41.1179	-0.0140	92.0979	-0.0356
107.5978	0.0420	72.0639	0.0204	41.7999	0.0162	92.8139	-0.0411
106.8950	-0.0418	71.4699	0.0159	42.4879	0.0104	93.5369	0.0371
106.1789	-0.0424	70.8209	0.0125	43.2119	-0.0084	94.1859	0.0443
105.5234	-0.0457	70.1989	-0.0153	43.9079	-0.0083	94.9149	-0.0452
104.7681	0.0395	69.5229	0.0150	44.6459	-0.0111	95.6049	-0.0418
103.9998	0.0336	68.9289	-0.0196	45.3479	-0.0152	96.3079	-0.0414
103.2782	-0.0368	68.2739	0.0212	46.0229	-0.0126	97.0299	-0.0405
102.4634	-0.0382	67.6249	-0.0236	46.7869	-0.0115	97.7129	0.0420
101.8470	0.0458	67.0309	-0.0205	47.4559	-0.0108	98.4159	0.0381
101.2937	0.0429	66.3539	0.0184	48.1989	-0.0142	99.1049	-0.0370
110.9542	0.0614	65.6849	0.0142	48.8959	-0.0177	99.7539	-0.0470
		65.0509	0.0169	49.6109	-0.0142	100.4359	-0.0429
		64.4209	-0.0043	50.3199	0.0165	101.1659	-0.0470
		63.7809	0.0102	51.0229	-0.0129	101.8619	-0.0450
		63.1569	-0.0134	51.7229	-0.0143	102.5639	-0.0456
		62.5169	0.0126	52.4279	-0.0144	103.2599	0.0400
		61.8539	0.0168	53.1449	-0.0203	103.9359	-0.0395
		61.2259	0.0200	53.8409	-0.0201	104.6519	-0.0410
		60.6049	0.0199	54.5649	-0.0218	105.3409	-0.0424
		59.9899	0.0188	55.2669	-0.0175	106.0169	0.0423
		59.3199	0.0194	56.0839	-0.0160	106.7469	0.0451
		58.7199	-0.0134	56.8069	-0.0165	107.4359	0.0501
		58.0499	0.0135	57.4889	-0.0177	108.1252	-0.0543
		57.4149	0.0120	58.2249	-0.0165	108.8346	-0.0534
		56.7929	0.0113	58.9339	-0.0150	108.2666	-0.0511
		56.1169	-0.0096	59.6319	-0.0159	107.5978	0.0481
		55.4689	0.0124	60.3209	-0.0154	106.8950	0.0428
		54.8529	0.0102	61.0159	-0.0177	106.1789	-0.0437

Scan 6, 95.7 psia

Reinforced Concrete Test Data

Track 9 - High Pressure Test

105.5234	-0.0503	70.8209	0.0152	43.2119	-0.0102	94.1859	-0.0410
104.7681	-0.0497	70.1980	-0.0189	43.9079	-0.0108	94.9149	-0.0438
103.9998	-0.0461	69.5229	0.0227	44.6459	-0.0116	95.6049	-0.0422
103.2782	-0.0460	68.9289	-0.0250	45.3479	-0.0119	96.3079	-0.0409
102.4634	-0.0425	68.2749	-0.0229	46.0229	-0.0096	97.0299	-0.0398
101.8470	-0.0477	67.6249	0.0229	46.7869	0.0110	97.7129	-0.0431
101.2937	-0.0480	67.0309	-0.0167	47.4559	-0.0112	98.4159	-0.0383
116.9542	-0.0463	66.3539	-0.0162	48.1989	0.0126	99.1049	-0.0362
		65.6849	0.0179	48.8959	-0.0143	99.7539	-0.0389
		65.0509	-0.0196	49.6109	-0.0084	100.4359	-0.0387
		64.4209	0.0070	50.3199	-0.0164	101.1659	-0.0450
		63.7809	-0.0150	51.0229	0.0133	101.8619	-0.0417
		63.1569	-0.0156	51.7329	-0.0129	102.5639	-0.0404
		62.5169	-0.0128	52.4279	-0.0122	103.2599	-0.0404
		61.8539	0.0177	53.1449	0.0155	103.9359	-0.0410
		61.2259	0.0180	53.8409	-0.0140	104.6519	0.0407
		60.6049	0.0167	54.5649	-0.0198	105.3409	0.0382
		59.9899	0.0154	55.2669	0.0192	106.0169	-0.0393
		59.3199	0.0190	56.0839	0.0152	106.7469	0.0413
		58.7199	0.0170	56.8069	-0.0177	107.4459	0.0460
		58.0499	0.0162	57.4889	-0.0175	108.1252	-0.0520
		57.4149	0.0160	58.2249	0.0160	108.8346	-0.0545
		56.7929	0.0150	58.9339	-0.0130	108.2666	-0.0526
		56.1169	0.0118	59.6319	0.0130	107.5978	-0.0518
		55.4689	0.0132	60.3209	0.0128	106.8950	-0.0540
		54.8529	0.0080	61.0159	-0.0162	106.1789	-0.0520
		54.1639	-0.0123	61.7119	0.0230	105.5234	-0.0512
		53.6029	-0.0139	62.4219	0.0215	104.7681	0.0511
		52.9149	-0.0144	63.1249	0.0252	103.9998	-0.0532
		52.2599	0.0119	63.8199	0.0231	103.2782	-0.0523
		51.6519	-0.0149	64.5239	0.0230	102.4634	-0.0453
		50.9829	0.0111	65.2389	-0.0221	101.8470	-0.0534
		50.3469	0.0047	65.9289	0.0190	101.2937	-0.0518
		49.6919	0.0078	66.6789	0.0159	116.9542	-0.0642
		49.0569	0.0150	67.3539	0.0205		
		48.4289	0.0100	68.0569	-0.0231		
		47.7469	0.0089	68.8009	0.0208		
		47.1229	0.0062	69.4759	0.0254		
		46.4349	0.0021	70.1929	0.0288		
		45.7459	0.0140	70.9019	0.0280		
		45.0359	0.0157	71.6119	0.0288		
		44.3249	0.0047	72.2869	0.0246		
		43.7319	0.0057	73.0429	0.0234		
		43.0879	0.0046	73.7399	0.0223		
		42.4089	0.0065	74.4429	0.0219		
		41.7589	0.0098	75.1579	0.0272		
		41.1249	-0.0079	75.8199	0.0289		
		40.4559	0.0002	76.5839	-0.0283		
		39.7809	0.0021	77.2799	0.0306		
		39.1859	0.0007	77.9969	0.0306		
		38.4689	-0.0010	78.7129	0.0360		
		37.7249	-0.0041	79.4289	-0.0297		
		37.0509	0.0046	80.0979	-0.0262		
		36.3069	0.0020	80.8229	0.0294		
		35.5629	-0.0070	81.5509	-0.0261		
		34.8869	0.0060	82.2129	0.0271		
		34.1449	0.0013	82.9429	-0.0290		
		33.5379	0.0030	83.6319	-0.0338		
		33.4679	0.0012	84.3129	0.0343		
		34.0099	-0.0033	85.0369	0.0396		
		34.5499	0.0038	85.7259	0.0334		
		35.2269	0.0015	86.4429	0.0359		
		35.9019	0.0010	87.1589	0.0333		
		36.7109	0.0066	87.8339	-0.0340		
		37.4559	-0.0070	88.5649	-0.0333		
		38.1999	0.0058	89.2529	-0.0358		
		38.9409	0.0034	89.9019	-0.0345		
		39.6849	-0.0053	90.6049	0.0321		
		40.4089	0.0121	91.3239	0.0334		
		41.1179	0.0107	92.0979	0.0339		
		41.7999	-0.0109	92.8139	-0.0377		
		42.4879	-0.0070	93.5369	-0.0358		

Scan 8, 108.3 psig

108.8750	-0.0452
108.1589	-0.0555
107.5649	-0.0515
106.9629	0.0511
106.3079	0.0470
105.6929	0.0439
105.0979	0.0409
104.4429	0.0472
103.8149	-0.0495
103.2059	-0.0466
102.5779	0.0450
101.9089	-0.0479
101.3079	-0.0420
100.6729	-0.0448
100.369	-0.0422
99.4559	-0.0443
98.8549	0.0446
98.2059	-0.0499
97.5779	0.0430
96.9629	0.0416
96.3269	0.0391
95.6589	-0.0440
95.0569	-0.0419
94.4219	-0.0451
93.7739	-0.0439
93.1859	0.0412
92.5369	0.0444
91.8949	0.0420
91.2729	-0.0300
90.6379	0.0344
89.9019	0.0412
89.2740	-0.0352
88.7259	0.0388
88.0709	-0.0437

Reinforced Concrete Test Data

Track 9 - High Pressure Test

87.4079	-0.0353	41.1249	-0.0075	75.8139	0.0244	103.2059	-0.0420
86.8009	-0.0314	40.4559	-0.0090	76.5839	-0.0259	102.5779	-0.0434
86.1249	-0.0321	39.7809	-0.0060	77.2799	-0.0288	101.9089	-0.0492
85.5239	-0.0312	39.1859	-0.0007	77.9969	-0.0308	101.3079	-0.0428
84.8739	-0.0274	38.4689	0.0000	78.7129	-0.0381	100.6729	-0.0431
84.1929	-0.0346	37.7259	-0.0086	79.4289	-0.0323	100.0369	-0.0435
83.5979	-0.0049	37.0509	-0.0048	80.0979	-0.0288	99.4559	-0.0424
82.9829	-0.0345	36.3069	0.0000	80.8279	-0.0304	98.8549	-0.0410
82.3009	0.0346	35.5629	-0.0050	81.5509	-0.0277	98.2059	-0.0373
81.7189	-0.0353	34.8869	-0.0060	82.2129	-0.0248	97.5779	-0.0375
81.0639	-0.0315	34.1449	0.0015	82.9429	-0.0267	96.9629	-0.0383
80.4149	-0.0280	33.5379	0.0010	83.6319	-0.0309	96.3209	-0.0401
79.7869	-0.0269	33.4679	0.0015	84.3129	-0.0347	95.6589	-0.0400
79.2129	-0.0289	34.0099	-0.0001	85.0369	-0.0386	95.0569	-0.0420
78.5579	-0.0243	34.5499	-0.0010	85.7259	-0.0332	94.4219	-0.0428
77.9079	-0.0266	35.2269	0.0000	86.4429	0.0364	93.7739	-0.0369
77.1729	-0.0306	35.9019	-0.0020	87.1589	0.0338	93.1859	-0.0401
76.5409	-0.0231	36.7109	-0.0072	87.8339	0.0344	92.5369	0.0416
75.8409	-0.0323	37.4559	-0.0050	88.5619	0.0347	91.8949	-0.0387
75.2599	-0.0263	38.1999	0.0028	89.2529	-0.0351	91.2729	0.0298
74.5969	-0.0232	38.9409	-0.0035	89.9019	-0.0348	90.6379	-0.0281
73.9489	0.0223	39.6849	-0.0010	90.6049	-0.0327	89.9019	0.0328
73.3749	-0.0244	40.4089	0.0110	91.4289	0.0342	89.3349	-0.0318
72.7269	0.0274	41.1179	-0.0133	92.0979	0.0331	88.7259	0.0372
72.0639	0.0259	41.7999	0.0119	92.8119	-0.0369	88.0709	-0.0369
71.4699	-0.0209	42.4879	0.0063	93.5369	-0.0370	87.4079	-0.0310
70.8209	-0.0166	43.2119	0.0071	94.1859	0.0428	86.8009	-0.0327
70.1989	-0.0177	43.9079	0.0099	94.9149	-0.0437	86.1249	0.0329
69.5229	-0.0222	44.6459	-0.0092	95.6049	-0.0410	85.5239	-0.0322
68.9289	0.0261	45.3479	0.0133	96.3079	0.0417	84.8739	-0.0260
68.2739	0.0240	46.0229	0.0140	97.0209	-0.0422	84.1929	-0.0272
67.6239	0.0262	46.7869	0.0102	97.7129	0.0430	83.5979	0.0079
67.0309	0.0217	47.4559	0.0092	98.4159	-0.0380	82.9829	0.0299
66.4579	0.0218	48.1989	-0.0171	99.1049	-0.0345	82.3009	0.0318
65.6849	0.0249	48.8959	0.0172	99.7539	-0.0397	81.7189	-0.0297
65.0509	0.0222	49.6109	0.0118	100.4359	-0.0421	81.0639	0.0300
64.4209	0.0110	50.3199	0.0151	101.1659	-0.0479	80.4149	-0.0254
63.7809	-0.0140	51.0229	0.0117	101.8619	-0.0459	79.7869	-0.0280
63.1569	-0.0144	51.7329	0.0119	102.5639	-0.0458	79.2129	-0.0256
62.5169	-0.0151	52.4279	0.0135	103.2599	-0.0430	78.5579	-0.0219
61.8539	-0.0202	53.1419	0.0180	103.9359	-0.0418	77.9079	-0.0253
61.2259	-0.0230	53.8409	0.0175	104.6519	-0.0417	77.1729	-0.0271
60.6049	-0.0230	54.5649	0.0211	105.3409	0.0427	76.5409	-0.0216
59.9899	0.0240	55.2669	0.0172	106.0169	0.0427	75.8409	-0.0281
59.3199	-0.0250	56.0849	-0.0153	106.7469	-0.0460	75.2599	-0.0269
58.7199	-0.0202	56.8069	0.0174	107.4359	0.0499	74.5969	-0.0208
58.0499	0.0170	57.4889	-0.0175	108.1252	-0.0531	73.9489	-0.0231
57.4149	-0.0152	58.2249	0.0148	108.8346	-0.0540	73.3749	-0.0191
56.7929	0.0151	58.9339	0.0150	109.2666	-0.0504	72.7269	-0.0225
56.1169	-0.0130	59.6319	0.0150	109.5978	0.0501	72.0639	-0.0224
55.4689	-0.0162	60.3209	0.0140	106.8950	-0.0416	71.4699	-0.0180
54.8529	-0.0143	61.0159	0.0140	106.1789	0.0455	70.8209	-0.0181
54.1639	0.0168	61.7119	-0.0182	105.5234	-0.0517	70.1989	0.0198
53.6029	-0.0170	62.4219	0.0157	104.7681	-0.0520	69.5229	-0.0227
52.9149	0.0170	63.1249	-0.0207	103.9998	0.0491	68.9289	-0.0246
52.2599	-0.0127	63.8199	-0.0207	103.2782	0.0471	68.2739	0.0210
51.6519	-0.0135	64.5239	-0.0217	102.4634	-0.0456	67.6239	0.0189
50.9829	0.0118	65.2389	0.0199	101.8470	-0.0496	67.0309	-0.0185
50.3469	0.0081	65.9289	0.0218	116.4563	-0.0480	66.4579	0.0190
49.7019	0.0093	66.6789	0.0210			65.6849	-0.0197
49.0569	-0.0130	67.3539	-0.0209			65.0509	-0.0195
48.4289	-0.0119	68.0569	0.0230			64.4209	-0.0104
47.7469	0.0066	68.8009	-0.0213			63.7809	0.0136
47.1229	-0.0102	69.4759	-0.0232			63.1569	-0.0131
46.4349	0.0058	70.1929	0.0269			62.5169	-0.0115
45.7459	0.0152	70.9019	-0.0243			61.8539	-0.0150
45.0359	0.0152	71.6119	0.0228			61.2259	-0.0170
44.3749	0.0073	72.2869	-0.0267			60.6049	-0.0180
43.7319	0.0104	73.0429	-0.0284			59.9899	-0.0187
43.0979	0.0070	73.7399	-0.0235			59.3199	-0.0205
42.4089	0.0038	74.4429	-0.0243			58.7199	-0.0184
41.7589	-0.0054	75.1579	0.0201			58.0499	-0.0170

Scan 9, 113.2 psig

Reinforced Concrete Test Data

Track 9 - High Pressure Test

57.4149	-0.0160	58.2249	-0.0140	108.8346	-0.0507	73.3749	-0.0246
56.7929	-0.0140	58.9339	-0.0150	108.2666	-0.0466	72.7269	-0.0222
56.1169	-0.0110	59.6319	-0.0153	107.5978	-0.0480	72.0639	-0.0176
55.4689	-0.0100	60.3209	-0.0140	106.8950	-0.0460	71.4699	-0.0133
54.8529	0.0078	61.0159	-0.0138	106.1789	-0.0448	70.8209	-0.0138
54.1639	-0.0133	61.7119	-0.0200	105.5234	-0.0494	70.1989	-0.0166
53.6029	-0.0138	62.4219	-0.0167	104.7681	-0.0466	69.5229	-0.0221
52.9149	-0.0152	63.1249	-0.0207	103.9998	-0.0471	68.9289	-0.0240
52.2599	-0.0154	63.8199	-0.0210	103.2782	-0.0459	68.2739	-0.0217
51.6519	-0.0137	64.5239	-0.0203	102.4634	-0.0400	67.6249	-0.0231
50.9829	-0.0090	65.2389	-0.0181	101.8470	-0.0503	67.0309	-0.0170
50.3469	-0.0056	65.9289	-0.0220	116.4563	-0.0383	66.3539	-0.0161
49.6919	-0.0070	66.6789	-0.0195			65.6849	-0.0178
49.0569	-0.0134	67.3539	-0.0215			65.0509	-0.0177
48.4289	-0.0070	68.0569	-0.0214	Scan 10, 117.8 psig		64.4209	-0.0069
47.7469	-0.0044	68.8009	-0.0176			63.7809	-0.0142
47.1229	-0.0079	69.4759	0.0243	108.8750	-0.0453	63.1569	-0.0149
46.4349	-0.0041	70.1929	0.0285	108.1589	-0.0458	62.5169	-0.0124
45.7459	-0.0133	70.9019	0.0254	107.5649	-0.0455	61.8539	-0.0150
45.0359	-0.0120	71.6119	0.0258	106.9629	-0.0434	61.2259	-0.0164
44.3749	-0.0047	72.2869	0.0244	106.3079	-0.0406	60.6049	0.0150
43.7319	-0.0077	73.0429	0.0252	105.6929	-0.0437	59.9899	0.0160
43.0979	-0.0074	73.7399	0.0235	105.0979	-0.0404	59.3199	0.0187
42.4089	-0.0040	74.4429	-0.0213	104.4429	-0.0396	58.7199	0.0153
41.7589	-0.0058	75.1579	-0.0209	103.8149	-0.0450	58.0499	0.0165
41.1249	-0.0085	75.8139	-0.0226	103.2059	-0.0415	57.4149	-0.0160
40.4559	-0.0026	76.5839	-0.0253	102.5779	-0.0430	56.7929	-0.0121
39.7809	0.0056	77.2709	-0.0284	101.9089	-0.0440	56.1169	-0.0118
39.1859	0.0010	77.9669	0.0284	101.3079	-0.0432	55.4689	-0.0095
38.4689	-0.0003	78.7129	0.0353	100.6729	-0.0382	54.8529	-0.0065
37.7259	-0.0082	79.4289	0.0314	100.0369	-0.0370	54.1639	-0.0127
37.0509	0.0044	80.0979	-0.0311	99.4559	0.0402	53.6029	-0.0140
36.3069	0.0004	80.8279	0.0277	98.8519	0.0398	52.9149	0.0147
35.5629	-0.0044	81.5509	0.0260	98.2059	0.0344	52.2599	0.0148
34.8869	0.0059	82.2129	0.0267	97.5779	0.0375	51.6519	-0.0162
34.1449	0.0010	82.9429	0.0268	96.9629	-0.0356	50.9829	0.0090
33.4679	0.0010	83.6319	0.0350	96.3209	0.0360	50.3469	-0.0041
32.4679	0.0010	84.3129	0.0320	95.6589	0.0341	49.6919	0.0070
31.0099	0.0040	85.0369	0.0383	95.0569	0.0350	49.0569	0.0116
30.5499	0.0014	85.7259	0.0341	94.4219	-0.0403	48.4289	0.0080
29.2269	0.0007	86.4129	0.0375	93.7739	0.0336	47.7469	0.0078
28.9019	0.0040	87.1589	0.0337	93.1859	-0.0384	47.1229	0.0092
26.7109	0.0070	87.8339	0.0349	92.5369	-0.0418	46.4349	0.0039
27.4559	0.0040	88.5649	0.0331	91.8949	-0.0380	45.7459	-0.0136
28.1999	0.0039	89.2829	0.0362	91.2729	0.0275	45.0359	-0.0111
28.9409	0.0060	89.9819	-0.0322	90.6379	0.0272	44.3749	0.0034
29.6849	0.0027	90.6819	0.0314	89.9019	-0.0338	43.7319	0.0063
40.4089	0.0070	91.4289	0.0273	89.3349	-0.0338	43.0979	-0.0051
41.1179	-0.0094	92.0979	0.0351	88.7259	0.0364	42.4089	0.0050
41.7999	-0.0084	92.8139	0.0405	88.0709	-0.0351	41.7589	-0.0060
42.4879	0.0079	93.5369	0.0370	87.4079	-0.0304	41.1249	0.0066
43.2119	-0.0045	94.1859	0.0419	86.8009	-0.0307	40.4559	-0.0092
43.9079	0.0082	94.9149	0.0385	86.1219	-0.0316	39.7809	0.0070
44.6459	0.0086	95.6049	-0.0371	85.5239	-0.0285	39.1859	-0.0031
45.3479	-0.0126	96.3079	0.0407	84.8739	-0.0233	38.4689	0.0030
46.0229	-0.0118	97.0299	-0.0403	84.1929	-0.0241	37.7259	-0.0057
46.7869	-0.0113	97.7129	-0.0432	83.5979	-0.0002	37.0509	-0.0045
47.4559	0.0083	98.4159	-0.0400	82.9829	-0.0273	36.3069	0.0018
48.1989	-0.0118	99.1049	-0.0373	82.3009	-0.0284	35.5629	-0.0041
48.8959	0.0153	99.7539	-0.0400	81.7189	-0.0289	34.8869	-0.0063
49.6109	0.0083	100.4359	-0.0430	81.0639	-0.0276	34.1449	0.0013
50.3199	0.0111	101.1659	-0.0453	80.4149	-0.0234	33.5379	0.0030
51.0229	0.0121	101.8619	-0.0430	79.7869	-0.0279	33.4679	0.0016
51.7329	-0.0115	102.5639	-0.0419	79.2129	-0.0248	34.0099	-0.0017
52.4279	-0.0120	103.2599	-0.0400	78.5579	-0.0205	34.5409	-0.0041
53.1449	-0.0180	103.9359	-0.0402	77.9079	-0.0209	35.2269	0.0030
53.8409	0.0156	104.6519	-0.0420	77.1729	-0.0199	35.9019	-0.0026
54.5649	-0.0196	105.3409	0.0434	76.5309	-0.0170	36.7109	-0.0080
55.2669	-0.0168	106.0169	0.0452	75.8409	-0.0244	37.4559	0.0032
56.0839	-0.0142	106.7469	0.0443	75.2599	-0.0229	38.1999	-0.0061
56.8069	-0.0159	107.4359	-0.0461	74.5969	-0.0247	38.9409	-0.0048
57.4889	0.0166	108.1252	-0.0495	73.9489	-0.0245	39.6849	-0.0030

Reinforced Concrete Test Data

Track 9 - High Pressure Test

40.4089	0.0067	91.4289	-0.0304	89.3349	-0.0320	43.0979	-0.0031
41.1179	-0.0078	92.0979	-0.0298	88.7259	-0.0342	42.4089	-0.0052
41.7999	-0.0079	92.8139	-0.0349	88.0709	-0.0371	41.7589	-0.0100
42.4879	-0.0088	93.5369	-0.0336	87.4079	-0.0294	41.1249	-0.0047
43.2119	-0.0079	94.1859	-0.0415	86.8009	-0.0320	40.4559	-0.0009
43.9079	-0.0076	94.9149	-0.0422	86.1249	0.0291	39.7809	-0.0038
44.6459	-0.0092	95.6049	-0.0382	85.5239	-0.0284	39.1859	-0.0031
45.3479	-0.0133	96.3079	-0.0381	84.8739	-0.0232	38.4689	-0.0025
46.0229	-0.0153	97.0299	-0.0386	84.1929	0.0225	37.7259	-0.0055
46.7869	-0.0120	97.7129	-0.0411	83.5979	0.0011	37.0509	-0.0049
47.4559	-0.0088	98.4159	0.0367	82.9829	-0.0283	36.3069	-0.0043
48.1989	-0.0104	99.1049	-0.0350	82.3009	-0.0280	35.5629	-0.0030
48.8959	0.0149	99.7539	-0.0400	81.7189	-0.0277	34.8869	-0.0045
49.6109	-0.0076	100.4359	0.0427	81.0639	-0.0281	34.1449	0.0010
50.3199	-0.0131	101.1659	-0.0461	80.4119	0.0247	33.4679	0.0030
51.0229	0.0086	101.8619	0.0441	79.7869	-0.0236	33.4679	0.0040
51.7329	-0.0103	102.5639	-0.0408	79.2129	-0.0201	34.0099	0.0051
52.4279	-0.0104	103.2599	0.0384	78.5579	0.0190	34.5499	-0.0020
53.1449	-0.0152	103.9359	-0.0375	77.9079	-0.0206	35.2269	0.0010
53.8409	-0.0163	104.6519	-0.0410	77.1729	-0.0202	35.9019	-0.0008
54.5649	-0.0190	105.3409	-0.0409	76.5309	-0.0182	36.7109	-0.0060
55.2669	0.0173	106.0169	-0.0398	75.8409	-0.0254	37.4559	-0.0017
56.0839	-0.0153	106.7469	-0.0430	75.2599	0.0229	38.1999	0.0000
56.8069	-0.0168	107.4359	-0.0470	74.5969	0.0213	38.9409	-0.0040
57.4889	-0.0141	108.1252	-0.0510	73.9489	-0.0201	39.6849	-0.0030
58.2249	-0.0130	108.8346	-0.0501	73.3749	-0.0185	40.4089	0.0040
58.9339	0.0130	109.2666	-0.0454	72.7269	-0.0215	41.1179	0.0042
59.6319	0.0133	109.5978	-0.0446	72.0639	-0.0188	41.7999	0.0072
60.3209	0.0137	109.8950	-0.0432	71.4699	-0.0140	42.4879	-0.0056
61.0159	0.0152	109.1789	-0.0441	70.8209	0.0140	43.2119	0.0069
61.7119	-0.0225	108.5234	-0.0490	70.1989	-0.0179	43.9079	-0.0073
62.4219	0.0191	107.7681	-0.0481	69.5229	-0.0212	44.6459	-0.0056
63.1249	0.0223	107.9998	0.0466	68.9289	-0.0210	45.3479	-0.0105
63.8199	0.0187	107.2782	-0.0454	68.2739	0.0176	46.0229	0.0078
64.5239	-0.0191	106.4634	-0.0388	67.6249	0.0195	46.7869	0.0107
65.2389	-0.0182	105.8170	0.0459	67.0309	0.0156	47.4559	-0.0076
65.9289	-0.0182	116.4563	-0.0445	66.3539	0.0151	48.1989	-0.0085
66.6789	-0.0166			65.6849	0.0169	48.8959	-0.0134
67.3539	-0.0214			65.0509	0.0177	49.6109	-0.0067
68.0569	-0.0235	Scan 11, 120.9 psig		64.4209	-0.0063	50.3199	-0.0128
68.8009	-0.0195			63.7809	0.0116	51.0229	-0.0087
69.4759	-0.0259	108.8750	-0.0409	63.1569	-0.0135	51.7329	0.0071
70.1929	0.0278	108.1589	0.0514	62.5169	-0.0085	52.4279	0.0078
70.9019	-0.0248	107.5649	-0.0502	61.8539	0.0130	53.1449	-0.0121
71.6119	-0.0231	106.9629	0.0449	61.2259	-0.0150	53.8409	-0.0133
72.2869	-0.0215	106.3079	0.0409	60.6049	-0.0163	54.5649	-0.0170
73.0429	-0.0231	105.6929	0.0415	59.9899	0.0153	55.2669	-0.0118
73.7399	0.0210	105.0979	-0.0384	59.3199	-0.0179	56.0839	-0.0118
74.4429	-0.0246	104.4429	-0.0383	58.7199	-0.0147	56.8069	0.0137
75.1579	-0.0205	103.8149	0.0433	58.0499	0.0136	57.4559	0.0140
75.8139	-0.0251	103.2059	0.0420	57.4149	0.0148	58.2249	0.0100
76.5839	-0.0281	102.5779	-0.0434	56.7929	0.0111	58.9339	-0.0099
77.2799	-0.0259	101.9089	-0.0478	56.1169	0.0099	59.6319	-0.0120
77.9969	-0.0268	101.3039	-0.0380	55.4689	-0.0090	60.3209	-0.0112
78.7129	-0.0343	100.6719	-0.0380	54.8529	-0.0070	61.0159	0.0125
79.4289	-0.0288	100.0369	-0.0369	54.1639	-0.0096	61.7119	-0.0183
80.0979	-0.0274	99.4559	-0.0398	53.6029	-0.0121	62.4219	-0.0155
80.8279	-0.0290	98.8549	-0.0382	52.9149	-0.0130	63.1249	-0.0203
81.5509	0.0279	98.2059	-0.0370	52.2599	-0.0125	63.8199	-0.0174
82.2129	-0.0277	97.5779	-0.0370	51.6519	-0.0149	64.5239	0.0143
82.9429	-0.0272	96.9629	0.0383	50.9829	-0.0089	65.2389	-0.0161
83.6319	-0.0283	96.3209	0.0397	50.3469	-0.0039	65.9289	-0.0160
84.3129	-0.0291	95.6589	-0.0350	49.6919	-0.0062	66.6789	-0.0131
85.0369	-0.0341	95.0569	-0.0386	49.0569	-0.0133	67.3539	0.0180
85.7259	-0.0305	94.4219	0.0376	48.4289	-0.0095	68.0569	-0.0214
86.4429	-0.0357	93.7739	-0.0381	47.7469	-0.0029	68.8009	-0.0189
87.1589	0.0348	93.1859	0.0381	47.1229	-0.0054	69.4759	0.0230
87.8339	0.0343	92.5369	0.0392	46.4449	-0.0020	70.1929	-0.0256
88.5649	0.0370	91.8949	-0.0368	45.7459	-0.0121	70.9019	-0.0237
89.2529	0.0344	91.2129	0.0224	45.0459	-0.0146	71.6119	-0.0224
89.9019	0.0316	90.6319	0.0236	44.3749	0.0036	72.2869	-0.0208
90.6049	0.0254	89.9919	-0.0251	43.7319	-0.0043	73.0429	0.0198

Reinforced Concrete Test Data

Track 9 - High Pressure Test

73.7399	-0.0207	104.4429	-0.0453	58.7199	-0.0147	56.8069	-0.0162
74.4429	-0.0247	103.8149	-0.0500	58.0499	-0.0140	57.4889	-0.0173
75.1579	-0.0201	103.2059	-0.0443	57.4149	-0.0137	58.2249	-0.0160
75.8139	-0.0246	102.5779	-0.0454	56.7929	-0.0127	58.9339	-0.0160
76.5839	-0.0270	101.9089	-0.0469	56.1169	-0.0105	59.6319	-0.0165
77.2799	-0.0240	101.3079	-0.0445	55.4689	-0.0112	60.3209	-0.0143
77.9969	-0.0265	100.6729	-0.0441	54.8529	-0.0100	61.0159	-0.0138
78.7129	-0.0309	100.0369	-0.0428	54.1639	-0.0122	61.7119	-0.0209
79.4289	-0.0253	99.4559	-0.0450	53.6029	-0.0151	62.4219	-0.0169
80.0979	-0.0248	98.8549	-0.0459	52.9149	-0.0161	63.1249	-0.0210
80.8279	-0.0260	98.2059	-0.0287	52.2599	-0.0127	63.8199	-0.0231
81.5509	-0.0254	97.5779	-0.0410	51.6519	-0.0130	64.5239	-0.0221
82.2129	-0.0250	96.9629	-0.0387	50.9829	-0.0123	65.2389	-0.0202
82.9429	-0.0255	96.3209	-0.0378	50.3469	-0.0078	65.9289	-0.0212
83.6319	-0.0287	95.6589	-0.0380	49.6919	-0.0085	66.6789	-0.0198
84.3129	-0.0295	95.0569	-0.0399	49.0569	-0.0150	67.3539	-0.0206
85.0369	-0.0337	94.4219	-0.0452	48.4289	-0.0088	68.0569	-0.0250
85.7259	-0.0292	93.7739	-0.0410	47.7469	-0.0106	68.8009	-0.0197
86.4429	-0.0342	93.1859	-0.0412	47.1229	-0.0105	69.4759	-0.0239
87.1589	-0.0300	92.5469	-0.0414	46.4349	-0.0027	70.1929	-0.0288
87.8319	-0.0338	91.8949	-0.0415	45.7459	-0.0091	70.9019	-0.0257
88.5649	-0.0348	91.2729	-0.0302	45.0359	-0.0117	71.6119	-0.0252
89.2529	-0.0334	90.6379	-0.0318	44.3749	-0.0056	72.2869	-0.0257
89.9019	-0.0320	89.9019	-0.0366	43.7319	-0.0070	73.0429	-0.0271
90.6049	-0.0265	89.3349	-0.0340	43.0979	-0.0020	73.7399	-0.0239
91.4289	-0.0280	88.7259	-0.0380	42.4089	-0.0032	74.4429	-0.0229
92.0979	-0.0291	88.0709	-0.0393	41.7589	-0.0081	75.1579	-0.0238
92.8139	-0.0298	87.4079	-0.0328	41.1249	-0.0076	75.8139	-0.0237
93.5369	-0.0342	86.8909	-0.0319	40.4559	-0.0038	76.5839	-0.0284
94.1859	-0.0396	86.1219	-0.0300	39.7809	-0.0068	77.2799	-0.0305
94.9149	-0.0375	85.5239	-0.0310	39.1859	-0.0050	77.9969	-0.0323
95.6019	-0.0371	84.8739	-0.0276	38.4689	-0.0055	78.7129	-0.0384
96.3079	-0.0383	84.1929	-0.0284	37.7259	-0.0100	79.4289	-0.0320
97.0299	-0.0381	83.5979	-0.0083	37.0509	-0.0037	80.0979	-0.0270
97.7129	-0.0400	82.9829	-0.0310	36.3069	-0.0011	80.8279	-0.0304
98.4159	-0.0358	82.3609	-0.0331	35.5629	-0.0055	81.5509	-0.0268
99.1049	-0.0340	81.7189	-0.0321	34.8869	-0.0035	82.2129	-0.0283
99.7539	-0.0394	81.0639	-0.0292	34.1449	-0.0038	82.9429	-0.0291
100.4359	-0.0417	80.4149	-0.0242	33.4679	-0.0060	83.6319	-0.0350
101.1659	-0.0425	79.7869	-0.0273	33.4679	-0.0060	84.3129	-0.0354
101.8619	-0.0407	79.2129	-0.0266	33.0099	-0.0010	85.0369	-0.0398
102.5639	-0.0392	78.5579	-0.0251	33.5499	-0.0061	85.7259	-0.0357
103.2399	-0.0370	77.9079	-0.0254	35.2269	-0.0010	86.4429	-0.0382
103.9359	-0.0371	77.1729	-0.0269	35.9019	-0.0025	87.1589	-0.0379
104.6519	-0.0395	76.5309	-0.0222	36.7109	-0.0070	87.8339	-0.0386
105.3409	-0.0352	75.8759	-0.0260	37.4559	-0.0050	88.5649	-0.0397
106.0169	-0.0377	75.2559	-0.0244	38.1999	-0.0085	89.2529	-0.0365
106.7469	-0.0411	74.5969	-0.0226	38.9409	-0.0046	89.9019	-0.0390
107.4359	-0.0460	73.9489	-0.0218	39.6849	-0.0038	90.6049	-0.0367
108.1252	-0.0499	73.3749	-0.0212	40.3089	-0.0107	91.4289	-0.0414
108.8346	-0.0490	72.7269	-0.0252	41.1179	-0.0116	92.0979	-0.0385
108.2666	-0.0427	72.0669	-0.0208	41.7999	-0.0095	92.8139	-0.0408
107.5978	-0.0415	71.4699	-0.0174	42.4879	-0.0070	93.5369	-0.0378
106.8950	-0.0408	70.8209	-0.0166	43.2119	-0.0069	94.1859	-0.0432
106.1789	-0.0413	70.1989	-0.0152	43.9079	-0.0116	94.9149	-0.0441
105.5234	-0.0427	69.5229	-0.0150	44.6459	-0.0103	95.6049	-0.0437
104.7681	-0.0433	68.9289	-0.0200	45.3479	-0.0140	96.3079	-0.0460
103.9998	-0.0455	68.2739	-0.0208	46.0229	-0.0147	97.0299	-0.0443
103.2782	-0.0387	67.6249	-0.0222	46.7869	-0.0130	97.7129	-0.0470
102.4634	-0.0424	67.0309	-0.0213	47.4559	-0.0121	98.4159	-0.0422
101.8470	-0.0480	66.3539	-0.0190	48.1989	-0.0138	99.1049	-0.0415
116.4563	-0.0437	65.6849	-0.0158	48.8959	-0.0159	99.7539	-0.0445
		65.0509	-0.0168	49.6109	-0.0067	100.4359	-0.0450
		64.4209	-0.0064	50.3199	-0.0133	101.1659	-0.0487
		63.7809	-0.0100	51.0229	-0.0134	101.8619	-0.0475
		63.1569	-0.0133	51.7329	-0.0132	102.5639	-0.0515
		62.5169	-0.0119	52.4279	-0.0143	103.2399	-0.0481
		61.8549	-0.0170	53.1449	-0.0209	103.9359	-0.0472
		61.2259	-0.0181	53.8409	-0.0156	104.6519	-0.0471
		60.6049	-0.0200	54.5649	-0.0201	105.3409	-0.0483
		59.9899	-0.0187	55.2669	-0.0178	106.0169	-0.0474
		59.3199	-0.0175	56.0339	-0.0150	106.7469	-0.0483

Scan 12, 125.8 psig

Reinforced Concrete Test Data

Track 9 - High Pressure Test

107.4359	-0.0500	74.5969	-0.0250	38.9409	-0.0047	60.0000	0.0000
108.1252	-0.0531	73.9489	-0.0229	39.6849	-0.0037	60.0000	0.0000
108.8346	-0.0541	73.3749	-0.0143	40.4089	-0.0037	60.0000	0.0000
108.2666	-0.0563	72.7269	-0.0185	41.1179	-0.0037	60.0000	0.0000
107.5978	-0.0547	72.0639	-0.0186	41.7989	-0.0037	60.0000	0.0000
106.8950	-0.0532	71.4699	-0.0119	42.4839	-0.0037	60.0000	0.0000
106.1789	-0.0515	70.8209	-0.0139	43.1319	-0.0037	60.0000	0.0000
105.5234	-0.0533	70.1989	-0.0157	43.9099	-0.0037	60.0000	0.0000
104.7681	-0.0533	69.5229	-0.0157	44.6459	-0.0037	60.0000	0.0000
103.9998	0.0559	68.9289	-0.0215	45.3479	-0.0037	60.0000	0.0000
103.2782	-0.0481	68.2739	-0.0206	46.0229	-0.0037	60.0000	0.0000
102.4634	-0.0478	67.6249	-0.0170	46.8889	-0.0037	60.0000	0.0000
101.8470	-0.0569	67.0309	-0.0151	47.3589	-0.0037	60.0000	0.0000
116.4563	-0.0580	66.3539	-0.0154	48.1989	-0.0037	60.0000	0.0000
		65.6849	-0.0136	48.8889	-0.0037	60.0000	0.0000
		65.0509	-0.0181	49.6189	-0.0037	60.0000	0.0000
Scan 13, 130.2 psig		64.4209	-0.0061	50.3189	-0.0037	60.0000	0.0000
108.8750	-0.0473	63.7809	-0.0118	51.1219	-0.0037	60.0000	0.0000
108.1589	-0.0530	63.1569	-0.0113	51.8289	-0.0037	60.0000	0.0000
107.5649	-0.0537	62.5169	-0.0093	52.4189	-0.0037	60.0000	0.0000
106.9629	-0.0536	61.8539	-0.0125	53.1219	-0.0037	60.0000	0.0000
106.3070	-0.0492	61.2259	-0.0150	53.8289	-0.0037	60.0000	0.0000
105.6929	-0.0475	60.6049	0.0169	54.5919	-0.0037	60.0000	0.0000
105.0979	-0.0427	59.9899	0.0154	55.2989	-0.0037	60.0000	0.0000
104.4429	-0.0422	59.3199	-0.0180	56.0089	-0.0037	60.0000	0.0000
103.8149	-0.0468	58.7199	-0.0150	56.8889	-0.0037	60.0000	0.0000
103.2059	-0.0440	58.0499	-0.0170	57.3489	-0.0037	60.0000	0.0000
102.5779	-0.0451	57.4149	-0.0156	58.1119	-0.0037	60.0000	0.0000
101.9089	0.0504	56.7929	-0.0128	58.8889	-0.0037	60.0000	0.0000
101.3079	-0.0440	56.1169	0.0106	59.6189	-0.0037	60.0000	0.0000
100.6729	-0.0458	55.4689	-0.0083	60.3189	-0.0037	60.0000	0.0000
99.0360	-0.0400	54.8529	0.0070	61.1219	-0.0037	60.0000	0.0000
98.4559	-0.0401	54.1639	-0.0069	61.8289	-0.0037	60.0000	0.0000
98.8549	-0.0419	53.6029	-0.0102	62.4189	-0.0037	60.0000	0.0000
98.2059	-0.0193	52.9149	-0.0134	63.1219	-0.0037	60.0000	0.0000
97.5779	-0.0360	52.2599	-0.0138	63.8289	-0.0037	60.0000	0.0000
96.9629	-0.0406	51.6519	0.0130	64.5919	-0.0037	60.0000	0.0000
96.3209	-0.0429	50.9829	-0.0113	65.3479	-0.0037	60.0000	0.0000
95.6589	-0.0404	50.3469	-0.0080	66.0229	-0.0037	60.0000	0.0000
95.0569	-0.0450	49.6919	-0.0047	66.8889	-0.0037	60.0000	0.0000
94.4219	-0.0421	49.0569	0.0133	67.3589	-0.0037	60.0000	0.0000
93.7739	-0.0361	48.4289	-0.0114	68.1989	-0.0037	60.0000	0.0000
93.1859	-0.0391	47.7469	-0.0130	68.8889	-0.0037	60.0000	0.0000
92.5369	0.0193	47.1229	-0.0070	69.6189	-0.0037	60.0000	0.0000
91.8949	-0.0410	46.4349	-0.0010	70.3189	-0.0037	60.0000	0.0000
91.2729	-0.0281	45.7459	-0.0107	71.1219	-0.0037	60.0000	0.0000
90.6379	-0.0316	45.0359	0.0140	71.8289	-0.0037	60.0000	0.0000
89.9019	0.0374	44.3749	-0.0049	72.4189	-0.0037	60.0000	0.0000
89.3349	-0.0321	43.7319	0.0031	73.1219	-0.0037	60.0000	0.0000
88.7259	-0.0324	43.0979	-0.0019	73.8289	-0.0037	60.0000	0.0000
88.0709	-0.0444	42.4089	-0.0052	74.5919	-0.0037	60.0000	0.0000
87.4079	-0.0304	41.7589	-0.0088	75.3479	-0.0037	60.0000	0.0000
86.8009	-0.0324	41.1209	-0.0088	76.0229	-0.0037	60.0000	0.0000
86.1249	-0.0417	40.4559	-0.0009	76.8889	-0.0037	60.0000	0.0000
85.5239	-0.0333	39.7809	-0.0044	77.3489	-0.0037	60.0000	0.0000
84.8739	0.0292	39.1859	-0.0028	78.1119	-0.0037	60.0000	0.0000
84.1929	-0.0285	38.4689	-0.0040	78.8889	-0.0037	60.0000	0.0000
83.5979	-0.0013	37.7259	-0.0041	79.6189	-0.0037	60.0000	0.0000
82.9829	-0.0283	37.0509	0.0030	80.3189	-0.0037	60.0000	0.0000
82.3009	-0.0296	36.3069	-0.0018	81.1219	-0.0037	60.0000	0.0000
81.7189	-0.0286	35.5629	-0.0040	81.8289	-0.0037	60.0000	0.0000
81.0639	-0.0286	34.8869	0.0070	82.4189	-0.0037	60.0000	0.0000
80.4149	-0.0271	34.1449	0.0010	83.1219	-0.0037	60.0000	0.0000
79.7869	-0.0267	33.5379	0.0010	83.8289	-0.0037	60.0000	0.0000
79.2129	0.0255	33.4679	0.0040	84.5919	-0.0037	60.0000	0.0000
78.5579	-0.0209	34.0009	0.0047	85.3479	-0.0037	60.0000	0.0000
77.9079	-0.0204	34.5499	-0.0015	86.0229	-0.0037	60.0000	0.0000
77.1729	-0.0206	35.2269	0.0023	86.8889	-0.0037	60.0000	0.0000
76.5309	-0.0177	35.9019	-0.0023	87.3489	-0.0037	60.0000	0.0000
75.8409	-0.0230	36.7109	-0.0060	88.1119	-0.0037	60.0000	0.0000
75.2599	-0.0246	37.4559	-0.0030	88.8889	-0.0037	60.0000	0.0000
		38.1999	0.0044	89.6189	-0.0037	60.0000	0.0000

Scan 14, 130.2 psig

Track 9 - High Pressure Test

Reinforced Concrete Test Data

Track 9 - High Pressure Test

72.6039	0.0120	51.8632	0.0156	105.3409	-0.0357	76.5309	-0.0151
50.9829	0.0130	55.2669	0.0138	106.0169	0.0383	75.8409	-0.0205
50.4129	0.0143	56.0839	0.0112	106.7469	0.0420	75.2599	0.0192
58.7199	0.0117	56.8099	0.0118	107.4359	0.0459	74.5969	0.0198
58.4139	0.0129	57.4889	0.0128	108.1252	0.0500	73.9489	0.0190
71.2149	0.0129	58.2249	0.0129	108.8346	-0.0530	73.3749	-0.0155
71.2149	0.0129	58.2249	0.0129	108.2666	-0.0505	72.7269	-0.0170
71.2149	0.0129	58.2249	0.0129	107.5978	0.0486	72.0639	-0.0118
71.2149	0.0129	58.2249	0.0129	106.8879	0.0433	71.4699	-0.0092
71.2149	0.0129	58.2249	0.0129	106.1789	0.0426	70.8209	-0.0154
71.2149	0.0129	58.2249	0.0129	105.4699	0.0448	70.1989	-0.0120
71.2149	0.0129	58.2249	0.0129	104.7609	0.0470	69.5229	-0.0153
71.2149	0.0129	58.2249	0.0129	104.0519	0.0489	68.9289	0.0209
71.2149	0.0129	58.2249	0.0129	103.3429	0.0418	68.2739	0.0180
71.2149	0.0129	58.2249	0.0129	102.6339	0.0427	67.6249	-0.0173
71.2149	0.0129	58.2249	0.0129	101.9249	0.0389	67.0309	-0.0188
71.2149	0.0129	58.2249	0.0129	101.2159	0.0321	66.3539	0.0120
71.2149	0.0129	58.2249	0.0129	100.5069	0.0253	65.6849	0.0103
71.2149	0.0129	58.2249	0.0129	99.7979	0.0185	65.0589	0.0116
71.2149	0.0129	58.2249	0.0129	99.0889	0.0117	64.3209	0.0080
71.2149	0.0129	58.2249	0.0129	98.3799	0.0049	63.7809	0.0067
71.2149	0.0129	58.2249	0.0129	97.6709	-0.0019	63.1569	0.0082
71.2149	0.0129	58.2249	0.0129	96.9619	-0.0087	62.5169	-0.0068
71.2149	0.0129	58.2249	0.0129	96.2529	-0.0155	61.8539	-0.0117
71.2149	0.0129	58.2249	0.0129	95.5439	-0.0223	61.2259	0.0149
71.2149	0.0129	58.2249	0.0129	94.8349	-0.0291	60.6049	0.0126
71.2149	0.0129	58.2249	0.0129	94.1259	-0.0359	59.9899	0.0113
71.2149	0.0129	58.2249	0.0129	93.4169	-0.0427	59.3199	0.0124
71.2149	0.0129	58.2249	0.0129	92.7079	-0.0495	58.7199	0.0111
71.2149	0.0129	58.2249	0.0129	91.9989	-0.0563	58.0499	0.0110
71.2149	0.0129	58.2249	0.0129	91.2899	-0.0631	57.4149	-0.0114
71.2149	0.0129	58.2249	0.0129	90.5809	-0.0699	56.7929	-0.0090
71.2149	0.0129	58.2249	0.0129	89.8719	-0.0767	56.1169	0.0080
71.2149	0.0129	58.2249	0.0129	89.1629	-0.0835	55.4689	0.0049
71.2149	0.0129	58.2249	0.0129	88.4539	-0.0903	54.8529	0.0023
71.2149	0.0129	58.2249	0.0129	87.7449	-0.0971	54.1639	0.0059
71.2149	0.0129	58.2249	0.0129	87.0359	-0.1039	53.6029	0.0090
71.2149	0.0129	58.2249	0.0129	86.3269	-0.1107	52.9149	0.0098
71.2149	0.0129	58.2249	0.0129	85.6179	-0.1175	52.2599	-0.0101
71.2149	0.0129	58.2249	0.0129	84.9089	-0.1243	51.6519	0.0110
71.2149	0.0129	58.2249	0.0129	84.1999	-0.1311	50.9829	-0.0077
71.2149	0.0129	58.2249	0.0129	83.4909	-0.1379	50.3469	0.0000
71.2149	0.0129	58.2249	0.0129	82.7819	-0.1447	49.6919	-0.0001
71.2149	0.0129	58.2249	0.0129	82.0729	-0.1515	49.0569	0.0085
71.2149	0.0129	58.2249	0.0129	81.3639	-0.1583	48.4289	0.0064
71.2149	0.0129	58.2249	0.0129	80.6549	-0.1651	47.7469	0.0022
71.2149	0.0129	58.2249	0.0129	79.9459	-0.1719	47.1229	0.0022
71.2149	0.0129	58.2249	0.0129	79.2369	-0.1787	46.4449	0.0039
71.2149	0.0129	58.2249	0.0129	78.5279	-0.1855	45.7459	0.0040
71.2149	0.0129	58.2249	0.0129	77.8189	-0.1923	45.0359	0.0092
71.2149	0.0129	58.2249	0.0129	77.1099	-0.1991	44.3749	0.0032
71.2149	0.0129	58.2249	0.0129	76.4009	-0.2059	43.7319	0.0013
71.2149	0.0129	58.2249	0.0129	75.6919	-0.2127	43.0979	0.0011
71.2149	0.0129	58.2249	0.0129	74.9829	-0.2195	42.4089	0.0003
71.2149	0.0129	58.2249	0.0129	74.2739	-0.2263	41.7589	0.0064
71.2149	0.0129	58.2249	0.0129	73.5649	-0.2331	41.1249	-0.0021
71.2149	0.0129	58.2249	0.0129	72.8559	-0.2399	40.4559	0.0001
71.2149	0.0129	58.2249	0.0129	72.1469	-0.2467	39.7809	0.0080
71.2149	0.0129	58.2249	0.0129	71.4379	-0.2535	39.1859	0.0001
71.2149	0.0129	58.2249	0.0129	70.7289	-0.2603	38.4689	0.0012
71.2149	0.0129	58.2249	0.0129	70.0199	-0.2671	37.7259	0.0017
71.2149	0.0129	58.2249	0.0129	69.3109	-0.2739	37.0809	0.0010
71.2149	0.0129	58.2249	0.0129	68.6019	-0.2807	36.3069	0.0024
71.2149	0.0129	58.2249	0.0129	67.8929	-0.2875	35.5629	0.0090
71.2149	0.0129	58.2249	0.0129	67.1839	-0.2943	34.8869	0.0000
71.2149	0.0129	58.2249	0.0129	66.4749	-0.3011	34.1449	0.0051
71.2149	0.0129	58.2249	0.0129	65.7659	-0.3079	33.5379	0.0100
71.2149	0.0129	58.2249	0.0129	65.0569	-0.3147	33.4679	0.0046
71.2149	0.0129	58.2249	0.0129	64.3479	-0.3215	34.0099	0.0042
71.2149	0.0129	58.2249	0.0129	63.6389	-0.3283	34.5439	0.0007
71.2149	0.0129	58.2249	0.0129	62.9299	-0.3351	35.2269	0.0047
71.2149	0.0129	58.2249	0.0129	62.2209	-0.3419	35.9019	0.0013

Reinforced Concrete Test Data

Track 9 - High Pressure Test

36.7169	0.0040	87.8339	-0.0287	92.5369	-0.0680	46.4349	0.0043
37.4559	0.0000	88.5649	0.0270	91.8949	0.0689	45.7459	0.0134
38.1999	0.0048	89.2529	0.0283	91.2729	-0.0575	45.0359	-0.0127
38.9409	0.0020	89.9019	0.0279	90.6379	-0.0524	44.3749	0.0003
39.6849	0.0016	90.6049	-0.0240	89.9019	0.0609	43.7319	0.0000
40.4089	0.0031	91.4289	0.0276	89.3449	-0.0621	43.0979	0.0026
41.1179	0.0039	92.0979	0.0252	88.7259	0.0568	42.4089	0.0025
41.7999	0.0051	92.8109	0.0316	88.0709	-0.0596	41.7589	-0.0017
42.4879	0.0080	93.5369	0.0288	87.4079	-0.0510	41.1249	-0.0038
43.2119	0.0011	94.1859	0.0342	86.8009	0.0522	40.4559	-0.0040
43.9079	0.0037	94.9149	0.0291	86.1249	0.0529	39.7809	0.0039
44.6459	0.0022	95.6049	0.0310	85.5139	-0.0523	39.1859	0.0048
45.3479	0.0080	96.3079	0.0342	84.8779	-0.0430	38.4689	-0.0086
46.0229	0.0088	97.0299	0.0350	84.1929	0.0432	37.7259	0.0033
46.7869	0.0056	97.7129	-0.0390	83.5979	0.0144	37.0509	-0.0024
47.4559	0.0032	98.4159	0.0336	82.9829	-0.0434	36.3069	0.0053
48.1989	0.0044	99.1049	0.0330	82.3009	-0.0428	35.5629	0.0016
48.8959	0.0086	99.7839	0.0359	81.7189	0.0452	34.8869	-0.0086
49.6109	0.0031	100.4359	0.0342	81.0639	-0.0423	34.1449	0.0056
50.3199	0.0104	101.1659	0.0365	80.4149	0.0429	33.5379	0.0070
51.0229	0.0081	101.8619	0.0310	79.7869	-0.0428	33.4679	0.0001
51.7329	0.0044	102.5639	-0.0348	79.2129	0.0385	33.0099	0.0028
52.4279	0.0068	103.2599	0.0360	78.5579	0.0342	32.5499	0.0039
53.1449	0.0082	103.9359	0.0350	77.9079	0.0372	32.2269	0.0052
53.8409	0.0103	104.6519	0.0370	77.1729	0.0347	31.9019	0.0030
54.5649	0.0140	105.3499	0.0385	76.5309	0.0310	31.7109	-0.0040
55.2669	0.0142	106.0169	0.0360	75.8409	0.0335	31.4559	0.0003
56.0839	0.0140	106.7469	0.0370	75.2509	0.0304	31.1999	0.0002
56.8069	0.0102	107.4359	0.0310	74.5969	0.0307	31.9409	0.0000
57.4859	0.0084	108.1252	0.0343	73.9789	0.0300	31.6849	0.0000
58.2249	0.0070	108.8346	0.0340	73.3749	0.0298	31.4089	0.0068
58.9359	0.0080	109.2666	0.0316	72.7259	0.0291	31.1179	0.0061
59.6319	0.0085	109.5978	0.0330	72.0659	0.0278	31.7999	0.0068
60.3299	0.0087	109.8959	0.0395	71.4699	0.0226	31.4879	0.0059
61.0159	0.0080	109.4759	0.0305	70.8209	0.0225	31.2119	-0.0059
61.7119	0.0114	108.5234	0.0386	70.1989	0.0247	31.9079	-0.0054
62.4219	0.0177	104.7651	0.0398	69.5229	0.0229	31.6459	-0.0073
63.1249	0.0179	103.9998	0.0309	68.8289	0.0230	31.3479	0.0114
63.8199	0.0170	103.2782	0.0372	68.2739	0.0219	31.0279	0.0105
64.5249	0.0069	102.4634	0.0317	67.6749	-0.0252	30.7869	-0.0116
65.2389	0.0134	101.8770	0.0319	67.0309	0.0196	31.4559	0.0080
65.9259	0.0131	116.4853	0.0392	66.4509	-0.0230	31.1989	0.0084
66.6789	0.0109			65.8449	-0.0196	31.8959	0.0154
67.3539	0.0147			65.0709	0.0191	31.6109	0.0114
68.0859	0.0202			64.4109	0.0091	31.3109	0.0145
68.8009	0.0160			63.7879	0.0125	31.0229	0.0132
69.4759	0.0160			63.1509	0.0162	30.7329	0.0140
70.1929	0.0170			62.5779	0.0148	30.4279	0.0125
70.9019	0.0170			61.8539	0.0167	30.1419	0.0180
71.6119	0.0135			61.2289	0.0180	29.8409	0.0183
72.2369	0.0169			60.6049	0.0158	29.5649	0.0187
72.9479	0.0165			59.9899	0.0123	29.2669	0.0134
73.7399	0.0171			59.3199	0.0126	28.9639	0.0172
74.4429	0.0162			58.7109	0.0112	28.6809	0.0178
75.1579	0.0158			58.0499	0.0109	28.4859	0.0170
75.8439	0.0177			57.4149	0.0100	28.2279	0.0169
76.5879	0.0164			56.7929	0.0109	27.9439	0.0160
77.2799	0.0225			56.1169	0.0110	27.6319	0.0160
77.9969	0.0147			55.4689	0.0103	27.3209	0.0180
78.7129	0.0171			54.8529	0.0087	27.0159	0.0190
79.4289	0.0270			54.1609	0.0129	26.7119	0.0231
80.0479	0.0185			53.6029	-0.0124	26.4219	0.0233
80.8279	0.0279			52.9119	0.0092	26.1279	0.0258
81.5509	0.0219			52.2509	0.0078	25.8199	0.0265
82.2129	0.0214			51.6519	0.0090	25.5219	0.0251
82.9429	0.0213			50.9829	0.0078	25.2379	0.0250
83.6349	0.0257			50.3469	0.0032	24.9259	0.0220
84.3129	0.0274			49.6919	0.0071	24.6789	0.0195
85.0369	0.0135			49.0569	-0.0120	24.3579	0.0246
85.7259	0.0257			48.4289	0.0050	24.0569	0.0300
86.4429	0.0286			47.7469	0.0064	23.8009	0.0252
87.1559	0.0245			47.1229	0.0056	23.4759	0.0330

mean = 1.0 psi (posttest)

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

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JERRY WARD

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AT

24

REDUCTION

Reinforced Concrete Test Data

Track 9 - High Pressure Test

70.1929	-0.0397
70.9019	-0.0340
71.6119	-0.0327
72.2869	-0.0352
73.0429	-0.0379
73.7399	-0.0355
74.4429	-0.0381
75.1579	-0.0335
75.8139	-0.0369
76.5839	-0.0377
77.2799	-0.0417
77.9969	-0.0454
78.7129	-0.0529
79.4289	-0.0501
80.0979	-0.0491
80.8279	-0.0508
81.5509	-0.0511
82.2129	-0.0516
82.9429	-0.0472
83.6319	-0.0513
84.3129	-0.0521
85.0369	-0.0551
85.7259	-0.0564
86.4429	-0.0605
87.1589	-0.0602
87.8339	-0.0624
88.5649	-0.0645
89.2529	-0.0655
89.9019	-0.0655
90.6049	-0.0660
91.4289	-0.0673
92.0979	-0.0666
92.8139	-0.0689
93.5369	-0.0699
94.1859	-0.0752
94.9149	-0.0794
95.6049	-0.0812
96.3079	-0.0770
97.0299	-0.0791
97.7129	-0.0813
98.4159	-0.0776
99.1049	-0.0759
99.7539	-0.0827
100.4359	-0.0818
101.1659	-0.0844
101.8619	-0.0840
102.5639	-0.0874
103.2599	-0.0870
103.9359	-0.0880
104.6519	-0.0920
105.3409	-0.0876
106.0169	-0.0910
106.7469	-0.0944
107.4359	-0.0974
108.1252	-0.1020
108.8346	-0.1050
109.5978	-0.1001
106.8950	-0.1020
106.1789	-0.1034
105.5234	-0.1107
104.7681	-0.1099
103.9998	-0.1181
103.2782	-0.1175
102.4634	-0.1158
101.8470	-0.1249
101.2937	-0.1198
100.7958	-0.1144
100.4491	-0.1239
100.2065	-0.1232
117.6881	-0.1195

END

UNCLASSIFIED

END

**DATE
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1-6-92

SANDIA NATIONAL LABS

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
Sciences
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23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

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MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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AT

24

REDUCTION

Strain Gages, Rosettes

REINFORCED CONCRETE TEST DATA

ROSETTE 1 CHANNELS 1162 1163 1164

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0030	-0.0012	41.95	9.89	0.0130	0.0064	2.90
5.33	0.0066	0.0001	36.97	19.55	0.0270	0.0129	2.21
12.31	0.0113	0.0023	38.20	29.57	0.0400	0.0199	1.71
16.44	0.0146	0.0045	41.18	39.42	0.0518	0.0266	1.89
20.51	0.0208	0.0100	-30.50	49.16	0.0627	0.0333	2.07
20.46	0.0213	0.0113	-24.10	54.50	0.0694	0.0369	2.36
20.47	0.0216	0.0118	-21.83	59.57	0.0772	0.0409	1.68
27.05	0.0341	0.0182	-6.81	64.20	0.0865	0.0445	1.30
34.69	0.0493	0.0257	-0.47	69.32	0.0968	0.0481	1.42
34.53	0.0512	0.0262	-0.89	74.16	0.1088	0.0516	1.33
34.53	0.0513	0.0263	0.98	80.16	0.1265	0.0543	0.64
39.70	0.0597	0.0300	1.18	85.61	0.1404	0.0582	0.41
45.90	0.0722	0.0354	1.90	90.58	0.1554	0.0621	0.19
45.65	0.0742	0.0351	2.05	95.69	0.1791	0.0668	-0.03
45.62	0.0744	0.0353	2.67	100.92	0.2122	0.0710	0.08
50.10	0.0812	0.0380	3.40	103.25	0.2380	0.0736	0.19
53.47	0.0881	0.0407	3.51	106.11	0.2659	0.0761	0.03
53.29	0.0888	0.0411	2.85	108.31	0.2888	0.0780	0.14
53.21	0.0892	0.0416	2.99	111.08	0.3300	0.0816	0.13
50.49	0.0875	0.0394	3.82	113.24	0.3647	0.0842	0.20
46.14	0.0835	0.0363	4.51	117.83	0.4469	0.0903	0.22
46.13	0.0835	0.0364	4.18	120.92	0.5292	0.0952	0.36
44.97	0.0809	0.0381	3.71	123.28	0.6254	0.1004	0.23
38.98	0.0759	0.0340	2.90	122.97	0.6629	0.1012	0.13
33.99	0.0700	0.0304	4.23	125.82	0.7808	0.1054	-0.04
33.96	0.0696	0.0300	4.81	125.60	0.8375	0.1070	-0.24
26.83	0.0610	0.0252	5.12	127.84	0.8931	0.1099	-0.42
21.88	0.0549	0.0222	4.45	130.19	1.0027	0.1144	-0.53
21.90	0.0545	0.0219	4.94	132.53	1.1244	0.1184	-0.49
16.69	0.0484	0.0178	6.31	135.33	1.2619	0.1282	-0.51
11.74	0.0420	0.0148	6.65	134.42	1.2933	0.1316	-0.47
11.77	0.0424	0.0146	5.17	138.35	1.5141	0.1479	-0.25
5.05	0.0333	0.0107	6.61	140.16	1.7027	0.1576	-0.25
0.02	0.0261	0.0075	8.47	142.63	1.9500	0.1748	-0.36
-0.04	0.0254	0.0069	4.56	145.78	2.1670	0.1925	-0.12
-0.02	0.0244	0.0077	1.58	142.52	2.2361	0.1948	-0.04
-0.02	0.0240	0.0082	3.46	0.22	1.9743	0.0855	-0.97
0.02	0.0233	0.0079	3.90				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00001 (CH 1162)
AZ = 12 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00001 (CH 1163)
 AZ = 12 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 2 CHANNELS 1165 1166 1167

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0020	-0.0009	38.68	9.89	0.0138	0.0047	6.16
5.33	0.0022	0.0012	-37.90	19.55	0.0272	0.0096	6.07
12.31	0.0059	0.0034	-31.88	29.57	0.0400	0.0141	6.56
16.44	0.0084	0.0045	-23.06	39.42	0.0517	0.0186	6.28
20.51	0.0147	0.0065	-8.73	49.16	0.0626	0.0232	6.51
20.46	0.0174	0.0067	-9.41	54.50	0.0689	0.0262	6.25
20.47	0.0179	0.0068	-6.69	59.57	0.0767	0.0293	5.28
27.05	0.0312	0.0110	0.13	64.20	0.0839	0.0319	5.25
34.69	0.0470	0.0150	5.49	69.32	0.0923	0.0348	4.72
34.53	0.0482	0.0156	6.16	74.16	0.1018	0.0380	4.19
34.53	0.0489	0.0152	6.74	80.16	0.1147	0.0402	4.01
39.70	0.0565	0.0173	7.85	85.61	0.1244	0.0433	3.74
45.90	0.0684	0.0217	8.06	90.58	0.1341	0.0468	3.03
45.65	0.0705	0.0218	7.51	95.69	0.1470	0.0508	3.17
45.62	0.0705	0.0218	8.02	100.92	0.1618	0.0552	3.05
50.10	0.0768	0.0241	8.01	103.25	0.1708	0.0574	2.93
53.47	0.0830	0.0261	7.67	106.11	0.1799	0.0601	2.91
53.29	0.0838	0.0269	7.24	108.31	0.1872	0.0621	2.94
53.21	0.0841	0.0266	7.49	111.08	0.1989	0.0654	3.08
50.49	0.0823	0.0247	8.32	113.24	0.2091	0.0682	3.09
46.14	0.0790	0.0229	8.30	117.83	0.2329	0.0747	3.53
46.13	0.0789	0.0224	8.61	120.92	0.2578	0.0804	3.69
44.97	0.0769	0.0244	8.71	123.28	0.2857	0.0856	3.62
38.98	0.0721	0.0219	8.04	122.97	0.2929	0.0868	3.57
33.99	0.0666	0.0191	8.89	125.82	0.3167	0.0916	3.69
33.96	0.0662	0.0194	8.82	125.60	0.3288	0.0940	3.61
26.83	0.0582	0.0161	9.10	127.84	0.3454	0.0968	3.75
21.88	0.0521	0.0127	10.08	130.19	0.3897	0.1022	3.98
21.90	0.0516	0.0128	10.58	132.53	0.4555	0.1085	3.97
16.69	0.0456	0.0105	11.09	135.33	0.5808	0.1182	4.37
11.74	0.0393	0.0090	9.57	134.42	0.6405	0.1195	4.45
11.77	0.0389	0.0080	11.03	138.35	0.8298	0.1339	3.59
5.05	0.0304	0.0052	12.27	140.16	0.9730	0.1472	2.45
0.02	0.0233	0.0027	10.85	142.63	1.1058	0.1675	1.80
-0.04	0.0217	0.0027	8.99	145.78	1.2253	0.1867	1.63
-0.02	0.0210	0.0038	7.10	142.52	1.2646	0.1898	1.69
-0.02	0.0205	0.0041	10.90	0.22	0.9900	0.1074	0.09
0.02	0.0202	0.0032	12.34				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00002 (CH 1165)

AZ = 13 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00002 (CH 1166)

AZ = 13 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 3 CHANNELS 1168 1169 1180

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0002	34.81	9.89	0.0149	0.0039	-3.38
5.33	0.0031	0.0006	-22.51	19.55	0.0294	0.0075	-2.80
12.31	0.0070	0.0020	-5.75	29.57	0.0436	0.0112	-2.29
16.44	0.0096	0.0029	-0.04	39.42	0.0568	0.0141	-2.36
20.51	0.0156	0.0031	-0.35	49.16	0.0691	0.0165	-2.50
20.46	0.0180	0.0038	2.76	54.50	0.0764	0.0179	-3.07
20.47	0.0189	0.0040	2.20	59.57	0.0842	0.0192	-2.87
27.05	0.0342	0.0074	-1.33	64.20	0.0921	0.0208	-2.43
34.69	0.0523	0.0118	-2.57	69.32	0.1010	0.0223	-2.47
34.53	0.0536	0.0118	-3.17	74.16	0.1100	0.0241	-3.02
34.53	0.0542	0.0115	-3.14	80.16	0.1229	0.0246	-2.53
39.70	0.0627	0.0132	-3.14	85.61	0.1316	0.0263	-2.60
45.90	0.0758	0.0154	-3.56	90.58	0.1404	0.0283	-2.60
45.65	0.0776	0.0154	-2.84	95.69	0.1514	0.0308	-2.59
45.62	0.0782	0.0151	-3.31	100.92	0.1628	0.0339	-2.37
50.10	0.0850	0.0163	-3.58	103.25	0.1698	0.0357	-2.21
53.47	0.0915	0.0178	-3.00	106.11	0.1765	0.0373	-2.32
53.29	0.0927	0.0181	-2.92	108.31	0.1818	0.0389	-2.29
53.21	0.0932	0.0172	-2.94	111.08	0.1907	0.0414	-2.29
50.49	0.0912	0.0179	-2.72	113.24	0.1978	0.0435	-2.34
46.14	0.0870	0.0171	-2.64	117.83	0.2139	0.0480	-2.82
46.13	0.0867	0.0171	-2.99	120.92	0.2273	0.0520	-3.43
44.97	0.0856	0.0205	-2.65	123.28	0.2422	0.0554	-3.71
38.98	0.0798	0.0196	-1.79	122.97	0.2456	0.0569	-3.80
33.99	0.0736	0.0180	-2.19	125.82	0.2595	0.0602	-4.09
33.96	0.0734	0.0179	-1.95	125.60	0.2654	0.0622	-4.20
26.83	0.0643	0.0156	-2.11	127.84	0.2746	0.0639	-4.44
21.88	0.0577	0.0141	-2.14	130.19	0.2945	0.0691	-4.67
21.90	0.0574	0.0139	-2.00	132.53	0.3184	0.0738	-5.13
16.69	0.0509	0.0124	-1.49	135.33	0.3583	0.0824	-5.57
11.74	0.0441	0.0105	-1.74	134.42	0.3736	0.0849	-5.70
11.77	0.0434	0.0096	-2.42	138.35	0.4342	0.0958	-6.06
5.05	0.0344	0.0074	-2.59	140.16	0.5096	0.1049	-6.33
0.02	0.0268	0.0063	-0.84	142.63	0.6471	0.1175	-6.28
-0.04	0.0247	0.0063	0.52	145.78	0.8001	0.1315	-5.21
-0.02	0.0243	0.0074	2.51	142.52	0.8547	0.1345	-4.73
-0.02	0.0238	0.0076	-0.88	0.22	0.5629	0.0824	-4.17
0.02	0.0234	0.0074	-0.26				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00003 (CH 1168)

AZ = 13.5 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00003 (CH 1169)

AZ = 13.5 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 4 CHANNELS 1181 1182 1183

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0010	-0.0004	-30.65	9.89	0.0106	0.0072	-7.30
5.33	0.0042	0.0012	-42.15	19.55	0.0217	0.0140	-6.16
12.31	0.0075	0.0031	43.41	29.57	0.0328	0.0202	-3.92
16.44	0.0101	0.0044	44.12	39.42	0.0435	0.0265	-4.32
20.51	0.0143	0.0066	-30.93	49.16	0.0536	0.0322	-3.41
20.46	0.0152	0.0074	-29.98	54.50	0.0592	0.0353	-1.67
20.47	0.0154	0.0077	-29.65	59.57	0.0659	0.0386	-3.01
27.05	0.0271	0.0152	-11.90	64.20	0.0717	0.0419	-3.10
34.69	0.0422	0.0234	-4.49	69.32	0.0782	0.0453	-1.95
34.53	0.0437	0.0239	-3.94	74.16	0.0851	0.0487	-0.69
34.53	0.0439	0.0241	-3.74	80.16	0.0948	0.0514	-0.02
39.70	0.0504	0.0274	-2.02	85.61	0.1013	0.0548	0.72
45.90	0.0613	0.0324	-1.70	90.58	0.1082	0.0583	1.57
45.65	0.0624	0.0323	-0.94	95.69	0.1161	0.0619	2.49
45.62	0.0627	0.0323	-1.37	100.92	0.1243	0.0662	3.23
50.10	0.0681	0.0347	-0.26	103.25	0.1294	0.0686	3.16
53.47	0.0729	0.0374	-0.77	106.11	0.1339	0.0712	3.74
53.29	0.0739	0.0374	-0.79	108.31	0.1376	0.0734	3.99
53.21	0.0745	0.0373	-1.08	111.08	0.1429	0.0766	4.47
50.49	0.0729	0.0362	-1.23	113.24	0.1471	0.0791	4.90
46.14	0.0692	0.0338	-0.52	117.83	0.1561	0.0855	5.80
46.13	0.0696	0.0334	-0.99	120.92	0.1631	0.0903	6.45
44.97	0.0699	0.0347	-1.79	123.28	0.1699	0.0952	6.77
38.98	0.0648	0.0320	-2.50	122.97	0.1716	0.0961	6.47
33.99	0.0597	0.0290	-2.01	125.82	0.1782	0.1012	7.12
33.96	0.0591	0.0290	-1.45	125.60	0.1808	0.1035	6.89
26.83	0.0517	0.0252	-2.24	127.84	0.1852	0.1064	7.27
21.88	0.0462	0.0219	-1.01	130.19	0.1943	0.1131	7.73
21.90	0.0459	0.0219	-0.77	132.53	0.2046	0.1206	8.28
16.69	0.0406	0.0189	0.04	135.33	0.2213	0.1332	8.60
11.74	0.0351	0.0157	1.91	134.42	0.2263	0.1370	8.23
11.77	0.0347	0.0151	2.30	138.35	0.2492	0.1535	8.70
5.05	0.0278	0.0110	4.47	140.16	0.2737	0.1687	8.07
0.02	0.0219	0.0080	5.41	142.63	0.3199	0.1922	7.48
-0.04	0.0220	0.0061	2.54	145.78	0.3797	0.2171	7.72
-0.02	0.0219	0.0069	1.46	142.52	0.4057	0.2223	8.64
-0.02	0.0216	0.0075	0.66	0.22	0.2460	0.1238	-5.50
0.02	0.0207	0.0080	1.05				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00004 (CH 1181)

AZ = 15 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00004 (CH 1182)
 AZ = 15 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 5 CHANNELS 1184 1185 1186

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0008	-2.58	9.89	0.0283	0.0011	-1.74
5.33	0.0079	-0.0009	-4.19	19.55	0.0491	0.0069	-2.08
12.31	0.0242	-0.0066	-1.14	29.57	0.0599	0.0203	-6.54
16.44	0.0353	-0.0076	-1.04	39.42	0.0707	0.0352	-14.42
20.51	0.0486	-0.0053	-2.19	49.16	0.0823	0.0470	-21.67
20.46	0.0495	-0.0050	-1.98	54.50	0.0890	0.0531	-25.33
20.47	0.0500	-0.0048	-1.93	59.57	0.0970	0.0588	-29.30
27.05	0.0629	-0.0001	-3.39	64.20	0.1048	0.0647	-32.43
34.69	0.0740	0.0111	-5.11	69.32	0.1141	0.0707	-35.14
34.53	0.0748	0.0128	-5.64	74.16	0.1216	0.0773	-36.82
34.53	0.0746	0.0133	-5.43	80.16	0.1316	0.0841	-39.05
39.70	0.0810	0.0242	-9.50	85.61	0.1399	0.0911	-41.87
45.90	0.0908	0.0372	-14.58	90.58	0.1484	0.0976	-43.84
45.65	0.0912	0.0383	-15.26	95.69	0.1585	0.1048	43.97
45.62	0.0913	0.0385	-15.37	100.92	0.1693	0.1130	42.54
50.10	0.0979	0.0448	-18.97	103.25	0.1736	0.1173	41.87
53.47	0.1029	0.0505	-21.04	106.11	0.1801	0.1218	41.00
53.29	0.1033	0.0511	-21.31	108.31	0.1849	0.1253	40.41
53.21	0.1032	0.0514	-21.27	111.08	0.1918	0.1306	39.86
50.49	0.1009	0.0489	-20.24	113.24	0.1975	0.1349	39.42
46.14	0.0967	0.0446	-18.43	117.83	0.2098	0.1450	37.77
46.13	0.0966	0.0442	-18.29	120.92	0.2192	0.1520	37.08
44.97	0.0955	0.0437	-16.52	123.28	0.2254	0.1604	36.39
38.98	0.0896	0.0377	-14.52	122.97	0.2267	0.1621	36.59
33.99	0.0845	0.0315	-11.95	125.82	0.2360	0.1707	36.08
33.96	0.0844	0.0314	-12.07	125.60	0.2371	0.1745	35.87
26.83	0.0763	0.0211	-7.59	127.84	0.2431	0.1805	35.47
21.88	0.0711	0.0129	-4.45	130.19	0.2540	0.1937	34.78
21.90	0.0709	0.0128	-4.21	132.53	0.2675	0.2112	34.25
16.69	0.0651	0.0086	-2.86	135.33	0.2852	0.2433	31.85
11.74	0.0563	0.0057	-3.01	134.42	0.2885	0.2533	30.07
11.77	0.0559	0.0053	-3.30	138.35	0.3161	0.2970	13.80
5.05	0.0372	0.0021	-5.95	140.16	0.3508	0.3294	-23.13
0.02	0.0225	0.0021	-12.37	142.63	0.4335	0.3700	40.75
-0.04	0.0218	0.0011	-14.71	145.78	0.5420	0.4098	32.93
-0.02	0.0222	0.0014	-13.19	142.52	0.5703	0.4139	34.33
-0.02	0.0221	0.0018	-12.50	0.22	0.4343	0.2091	23.51
0.02	0.0215	0.0021	-11.85				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00005 (CH 1184)

AZ = 17.5 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00005 (CH 1185)

AZ = 17.5 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 6 CHANNELS 1187 1188 1189

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	-0.0006	38.09	9.89	0.0130	0.0011	-8.62
5.33	0.0048	-0.0015	-11.49	19.55	0.0239	0.0068	-1.51
12.31	0.0112	-0.0006	-14.77	29.57	0.0349	0.0126	2.37
16.44	0.0144	0.0011	-10.48	39.42	0.0453	0.0179	5.30
20.51	0.0190	0.0035	-7.99	49.16	0.0553	0.0228	7.81
20.46	0.0202	0.0039	-7.77	54.50	0.0606	0.0256	9.18
20.47	0.0211	0.0041	-7.96	59.57	0.0669	0.0290	8.88
27.05	0.0297	0.0085	-2.71	64.20	0.0734	0.0317	9.46
34.69	0.0414	0.0140	1.27	69.32	0.0803	0.0350	10.12
34.53	0.0420	0.0144	2.18	74.16	0.0874	0.0386	11.27
34.53	0.0422	0.0144	2.25	80.16	0.0941	0.0414	12.22
39.70	0.0483	0.0176	3.29	85.61	0.1016	0.0449	13.01
45.90	0.0575	0.0218	5.44	90.58	0.1090	0.0484	13.90
45.65	0.0575	0.0212	5.77	95.69	0.1173	0.0517	14.86
45.62	0.0575	0.0215	5.79	100.92	0.1267	0.0556	15.72
50.10	0.0628	0.0241	5.64	103.25	0.1316	0.0574	16.03
53.47	0.0675	0.0262	6.68	106.11	0.1372	0.0597	16.37
53.29	0.0678	0.0263	6.91	108.31	0.1413	0.0614	16.75
53.21	0.0679	0.0260	6.96	111.08	0.1477	0.0637	17.14
50.49	0.0659	0.0255	6.24	113.24	0.1525	0.0655	17.47
46.14	0.0623	0.0238	5.27	117.83	0.1636	0.0696	18.41
46.13	0.0621	0.0235	5.16	120.92	0.1717	0.0722	19.20
44.97	0.0630	0.0240	5.84	123.28	0.1796	0.0744	19.76
38.98	0.0576	0.0216	5.00	122.97	0.1813	0.0746	20.03
33.99	0.0529	0.0192	3.23	125.82	0.1899	0.0778	20.46
33.96	0.0528	0.0190	3.61	125.60	0.1930	0.0782	20.77
26.83	0.0459	0.0150	2.65	127.84	0.1992	0.0803	21.01
21.88	0.0409	0.0127	1.08	130.19	0.2125	0.0835	21.47
21.90	0.0408	0.0126	1.20	132.53	0.2307	0.0874	22.01
16.69	0.0356	0.0099	-0.17	135.33	0.2644	0.0942	22.40
11.74	0.0304	0.0073	-2.58	134.42	0.2747	0.0953	22.42
11.77	0.0297	0.0069	-2.93	138.35	0.3407	0.1061	21.89
5.05	0.0227	0.0042	-5.61	140.16	0.4233	0.1164	20.48
0.02	0.0169	0.0049	-2.64	142.63	0.6267	0.1386	17.30
-0.04	0.0149	0.0048	-4.76	145.78	0.8195	0.1558	15.90
-0.02	0.0158	0.0053	-5.55	142.52	0.8389	0.1572	15.50
-0.02	0.0158	0.0055	-3.64	0.22	0.6735	0.0809	17.14
0.02	0.0156	0.0054	-2.54				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00006 (CH 187)

AZ = 20 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00006 (CH 1188)

AZ = 20 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 7 CHANNELS 1200 1201 1202

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0009	-0.0009	-37.53	9.89	0.0150	0.0120	-38.45
5.33	0.0045	0.0032	-23.41	19.55	0.0325	0.0246	-44.00
12.31	0.0123	0.0078	-32.57	29.57	0.0484	0.0386	37.64
16.44	0.0174	0.0110	-34.54	39.42	0.0643	0.0518	33.31
20.51	0.0235	0.0161	-38.58	49.16	0.0805	0.0644	29.65
20.46	0.0253	0.0167	-41.16	54.50	0.0898	0.0718	26.77
20.47	0.0256	0.0171	-41.00	59.57	0.1042	0.0809	28.50
27.05	0.0399	0.0304	29.86	64.20	0.1223	0.0920	30.36
34.69	0.0593	0.0455	36.82	69.32	0.1440	0.1043	31.35
34.53	0.0595	0.0470	36.24	74.16	0.1681	0.1203	29.69
34.53	0.0599	0.0470	35.68	80.16	0.2157	0.1456	23.35
39.70	0.0689	0.0542	40.53	85.61	0.2613	0.1683	17.02
45.90	0.0861	0.0632	44.53	90.58	0.3123	0.1887	11.37
45.65	0.0880	0.0646	43.29	95.69	0.3956	0.2070	8.57
45.62	0.0890	0.0647	43.06	100.92	0.4970	0.2260	8.12
50.10	0.0993	0.0706	44.08	103.25	0.5392	0.2336	7.78
53.47	0.1107	0.0759	43.99	106.11	0.5793	0.2425	7.97
53.29	0.1118	0.0775	43.41	108.31	0.6102	0.2496	8.10
53.21	0.1123	0.0781	42.95	111.08	0.6623	0.2600	8.23
50.49	0.1120	0.0763	42.53	113.24	0.6965	0.2677	8.27
46.14	0.1070	0.0728	42.42	117.83	0.7745	0.2854	8.33
46.13	0.1078	0.0723	42.27	120.92	0.8340	0.2994	8.12
44.97	0.1078	0.0708	45.00	123.28	0.8690	0.3078	7.91
38.98	0.1007	0.0651	44.66	122.97	0.8721	0.3085	7.98
33.99	0.0937	0.0597	-44.93	125.82	0.9038	0.3193	7.67
33.96	0.0931	0.0595	-44.46	125.60	0.9064	0.3200	7.68
26.83	0.0835	0.0505	-43.94	127.84	0.9343	0.3293	7.23
21.88	0.0742	0.0445	-42.68	130.19	0.9655	0.3413	6.68
21.90	0.0744	0.0444	-42.86	132.53	1.0108	0.3589	5.73
16.69	0.0660	0.0367	-41.73	135.33	1.0700	0.3728	4.55
11.74	0.0561	0.0299	-40.45	134.42	1.0743	0.3721	4.49
11.77	0.0554	0.0296	-41.20	138.35	1.1570	0.3867	3.56
5.05	0.0425	0.0199	-39.89	140.16	1.2084	0.3947	3.08
0.02	0.0339	0.0122	-38.93	142.63	1.2643	0.4047	2.51
-0.04	0.0332	0.0109	-38.07	145.78	1.3414	0.4141	2.02
-0.02	0.0340	0.0097	-36.04	142.52	1.3497	0.4143	2.02
-0.02	0.0327	0.0097	-35.24	0.22	1.0435	0.2993	3.36
0.02	0.0328	0.0093	-35.14				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00007 (CH 1200)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 0.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00007 (CH 1201)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 8 CHANNELS 1203 1204 1205

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0004	-6.92	9.89	0.0194	0.0002	40.37
5.33	0.0042	0.0011	27.20	19.55	0.0373	0.0042	41.02
12.31	0.0147	-0.0038	39.53	29.57	0.0556	0.0105	41.89
16.44	0.0305	-0.0141	42.05	39.42	0.0737	0.0168	42.60
20.51	0.0508	-0.0256	43.42	49.16	0.0922	0.0238	42.87
20.46	0.0535	-0.0265	43.74	54.50	0.1052	0.0268	43.00
20.47	0.0455	-0.0183	43.51	59.57	0.1192	0.0331	42.33
27.05	0.0614	-0.0118	44.74	64.20	0.1362	0.0423	41.32
34.69	0.0883	-0.0091	44.92	69.32	0.1533	0.0539	40.21
34.53	0.0900	-0.0071	45.00	74.16	0.1732	0.0665	39.15
34.53	0.0904	-0.0067	-44.94	80.16	0.1927	0.0983	38.28
39.70	0.1015	-0.0014	45.00	85.61	0.2149	0.1191	39.08
45.90	0.1130	0.0122	44.24	90.58	0.2341	0.1396	40.66
45.65	0.1021	0.0259	44.17	95.69	0.2533	0.1623	43.06
45.62	0.1027	0.0266	44.19	100.92	0.2733	0.1888	-43.00
50.10	0.1159	0.0279	43.79	103.25	0.2819	0.2035	-40.12
53.47	0.1248	0.0336	42.97	106.11	0.2932	0.2182	-36.13
53.29	0.1387	0.0224	43.41	108.31	0.3024	0.2279	-33.40
53.21	0.1385	0.0229	43.47	111.08	0.3170	0.2433	-27.25
50.49	0.1352	0.0234	43.76	113.24	0.3287	0.2538	-23.08
46.14	0.1282	0.0241	43.70	117.83	0.3617	0.2730	-14.67
46.13	0.1280	0.0245	43.80	120.92	0.3888	0.2855	-9.45
44.97	0.1272	0.0276	43.17	123.28	0.4088	0.2941	-6.18
38.98	0.1233	0.0191	43.51	122.97	0.4108	0.2958	-4.72
33.99	0.1158	0.0166	43.89	125.82	0.4327	0.3043	-3.79
33.96	0.1130	0.0200	43.72	125.60	0.4352	0.3060	-2.40
26.83	0.1017	0.0147	44.18	127.84	0.4526	0.3129	-2.48
21.88	0.0934	0.0121	44.27	130.19	0.4755	0.3226	-1.54
21.90	0.0940	0.0115	44.46	132.53	0.5047	0.3349	-0.72
16.69	0.0851	0.0071	44.55	135.33	0.5432	0.3494	0.28
11.74	0.0776	0.0015	44.53	134.42	0.5469	0.3506	0.06
11.77	0.0677	0.0114	44.81	138.35	0.5990	0.3683	0.54
5.05	0.0552	0.0077	-44.79	140.16	0.6379	0.3791	1.17
0.02	0.0490	0.0047	-44.73	142.63	0.6929	0.3975	1.72
-0.04	0.0538	-0.0008	-43.94	145.78	0.7637	0.4202	2.20
-0.02	0.0533	0.0004	-44.47	142.52	0.7788	0.4268	3.13
-0.02	0.0530	-0.0002	-44.86	0.22	0.5717	0.1785	21.45
0.02	0.0549	-0.0015	-44.75				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00008 (CH 1203)
 AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 2.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00008 (CH 1204)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 9 CHANNELS 1206 1207 1208

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0004	-0.32	9.89	0.0116	0.0068	-41.28
5.33	0.0031	0.0016	-43.65	19.55	0.0209	0.0156	-40.29
12.31	0.0067	0.0040	-34.70	29.57	0.0288	0.0258	40.38
16.44	0.0084	0.0061	-32.40	39.42	0.0376	0.0344	7.81
20.51	0.0129	0.0085	-43.63	49.16	0.0472	0.0412	-0.27
20.46	0.0128	0.0094	-44.91	54.50	0.0534	0.0452	-6.69
20.47	0.0124	0.0101	-39.58	59.57	0.0614	0.0510	-13.02
27.05	0.0221	0.0174	26.85	64.20	0.0727	0.0597	-16.83
34.69	0.0326	0.0278	5.66	69.32	0.0840	0.0697	-15.14
34.53	0.0333	0.0290	4.85	74.16	0.0959	0.0808	-19.83
34.53	0.0334	0.0291	2.05	80.16	0.1150	0.0962	-20.38
39.70	0.0387	0.0353	-4.41	85.61	0.1294	0.1079	-21.11
45.90	0.0472	0.0459	41.37	90.58	0.1417	0.1186	-20.77
45.65	0.0492	0.0476	31.16	95.69	0.1549	0.1300	-18.58
45.62	0.0493	0.0487	26.22	100.92	0.1679	0.1436	-14.05
50.10	0.0558	0.0526	25.24	103.25	0.1740	0.1508	-9.99
53.47	0.0601	0.0583	-14.56	106.11	0.1801	0.1574	-6.26
53.29	0.0623	0.0594	-17.11	108.31	0.1852	0.1624	-3.51
53.21	0.0620	0.0594	2.69	111.08	0.1930	0.1704	1.94
50.49	0.0618	0.0583	7.77	113.24	0.1988	0.1755	7.03
46.14	0.0600	0.0561	3.06	117.83	0.2128	0.1867	14.12
46.13	0.0597	0.0563	3.11	120.92	0.2237	0.1947	17.85
44.97	0.0636	0.0543	0.20	123.28	0.2333	0.2010	21.15
38.98	0.0604	0.0502	0.98	122.97	0.2340	0.2024	22.40
33.99	0.0568	0.0467	0.00	125.82	0.2449	0.2084	25.65
33.96	0.0569	0.0465	-2.07	125.60	0.2478	0.2096	27.29
26.83	0.0521	0.0404	-3.38	127.84	0.2559	0.2147	27.88
21.88	0.0477	0.0360	-3.69	130.19	0.2676	0.2224	29.96
21.90	0.0481	0.0358	-5.12	132.53	0.2822	0.2322	31.92
16.69	0.0443	0.0306	-5.27	135.33	0.3028	0.2454	34.35
11.74	0.0406	0.0258	-8.17	134.42	0.3060	0.2474	35.46
11.77	0.0400	0.0258	-8.80	138.35	0.3336	0.2647	36.96
5.05	0.0329	0.0189	-7.55	140.16	0.3563	0.2787	38.16
0.02	0.0279	0.0139	-2.44	142.63	0.3914	0.3003	40.45
-0.04	0.0263	0.0132	-9.13	145.78	0.4375	0.3300	42.07
-0.02	0.0280	0.0118	-8.99	142.52	0.4531	0.3395	43.98
-0.02	0.0283	0.0115	-9.77	0.22	0.3261	0.2063	-23.43
0.02	0.0272	0.0114	-7.06				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00009 (CH 1206)
 AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 4.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00009 (CH 1207)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 10 CHANNELS 1209 1220 1221

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	-0.0012	38.29	9.89	0.0134	0.0076	-38.08
5.33	0.0030	0.0021	3.59	19.55	0.0283	0.0142	-39.29
12.31	0.0082	0.0047	-19.81	29.57	0.0421	0.0218	-40.33
16.44	0.0119	0.0065	-23.19	39.42	0.0548	0.0291	-40.80
20.51	0.0154	0.0093	-28.02	49.16	0.0674	0.0362	-41.60
20.46	0.0161	0.0099	-29.62	54.50	0.0755	0.0402	-41.70
20.47	0.0167	0.0101	-32.02	59.57	0.0861	0.0446	-40.17
27.05	0.0292	0.0163	44.55	64.20	0.0990	0.0497	-37.55
34.69	0.0462	0.0239	44.86	69.32	0.1143	0.0553	-35.20
34.53	0.0472	0.0244	44.15	74.16	0.1318	0.0610	-32.20
34.53	0.0474	0.0247	43.82	80.16	0.1536	0.0719	-30.31
39.70	0.0558	0.0289	-44.67	85.61	0.1728	0.0822	-28.62
45.90	0.0700	0.0344	-42.18	90.58	0.1902	0.0933	-27.67
45.65	0.0714	0.0356	-42.22	95.69	0.2099	0.1063	-27.45
45.62	0.0716	0.0360	-42.33	100.92	0.2300	0.1206	-27.84
50.10	0.0791	0.0393	-40.81	103.25	0.2392	0.1284	-28.23
53.47	0.0864	0.0425	-39.77	106.11	0.2496	0.1360	-28.53
53.29	0.0886	0.0429	-39.46	108.31	0.2574	0.1416	-28.76
53.21	0.0888	0.0432	-39.08	111.08	0.2695	0.1505	-29.09
50.49	0.0873	0.0425	-39.44	113.24	0.2788	0.1567	-29.45
46.14	0.0838	0.0404	-39.04	117.83	0.3011	0.1725	-30.01
46.13	0.0823	0.0409	-38.98	120.92	0.3176	0.1843	-30.48
44.97	0.0845	0.0406	-37.06	123.28	0.3298	0.1938	-30.93
38.98	0.0781	0.0376	-36.62	122.97	0.3319	0.1948	-30.95
33.99	0.0728	0.0345	-36.53	125.82	0.3463	0.2040	-31.17
33.96	0.0725	0.0344	-36.30	125.60	0.3490	0.2055	-31.32
26.83	0.0643	0.0296	-35.95	127.84	0.3593	0.2129	-31.34
21.88	0.0581	0.0259	-35.14	130.19	0.3757	0.2238	-31.57
21.90	0.0578	0.0258	-34.96	132.53	0.3952	0.2391	-31.20
16.69	0.0516	0.0217	-34.37	135.33	0.4214	0.2596	-31.02
11.74	0.0453	0.0178	-33.65	134.42	0.4256	0.2618	-31.02
11.77	0.0449	0.0174	-33.52	138.35	0.4629	0.2895	-30.72
5.05	0.0351	0.0128	-31.32	140.16	0.4940	0.3120	-30.66
0.02	0.0273	0.0088	-26.42	142.63	0.5430	0.3451	-30.03
-0.04	0.0279	0.0069	-30.13	145.78	0.6066	0.3880	-29.09
-0.02	0.0282	0.0072	-26.41	142.52	0.6262	0.4004	-28.16
-0.02	0.0280	0.0073	-25.66	0.22	0.4195	0.2649	-14.73
0.02	0.0276	0.0071	-25.35				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00010 (CH 1209)
 AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 6.5 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00010 (CH 1220)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 15 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 11 CHANNELS 1222 1223 1224

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0018	-0.0003	-28.38	9.89	0.0119	0.0017	22.41
5.33	0.0017	-0.0025	2.47	19.55	0.0226	0.0109	32.41
12.31	0.0041	0.0021	17.75	29.57	0.0345	0.0198	40.32
16.44	0.0066	0.0043	44.78	39.42	0.0463	0.0283	-44.87
20.51	0.0114	0.0070	-32.64	49.16	0.0585	0.0366	-40.09
20.46	0.0127	0.0077	-34.14	54.50	0.0682	0.0414	-35.06
20.47	0.0135	0.0079	-35.57	59.57	0.0928	0.0462	-25.08
27.05	0.0251	0.0165	-38.94	64.20	0.1339	0.0499	-21.42
34.69	0.0422	0.0254	-34.82	69.32	0.1736	0.0568	-19.51
34.53	0.0433	0.0265	-34.58	74.16	0.2251	0.0639	-18.35
34.53	0.0437	0.0263	-34.92	80.16	0.2891	0.0762	-17.85
39.70	0.0534	0.0308	-31.97	85.61	0.3315	0.0928	-17.29
45.90	0.0707	0.0381	-28.36	90.58	0.3822	0.1072	-17.50
45.65	0.0731	0.0386	-28.27	95.69	0.4273	0.1245	-17.92
45.62	0.0733	0.0388	-28.27	100.92	0.4825	0.1399	-18.50
50.10	0.0856	0.0428	-25.69	103.25	0.5130	0.1455	-18.97
53.47	0.0996	0.0467	-23.34	106.11	0.5378	0.1528	-19.13
53.29	0.1025	0.0470	-23.26	108.31	0.5544	0.1591	-19.13
53.21	0.1041	0.0469	-23.24	111.08	0.5837	0.1680	-19.33
50.49	0.1029	0.0456	-23.27	113.24	0.6177	0.1725	-19.59
46.14	0.0988	0.0432	-23.46	117.83	0.7900	0.1666	-20.40
46.13	0.0981	0.0430	-22.99	120.92	0.9726	0.1510	-20.97
44.97	0.1004	0.0424	-23.86	123.28	2.0048	-0.0194	-21.95
38.98	0.0942	0.0387	-23.85	122.97	53.3010	-9.1413	-22.51
33.99	0.0891	0.0351	-24.16	125.82	6.5150	-0.8050	-22.38
33.96	0.0890	0.0349	-24.28	125.60	6.5796	-0.8133	-22.39
26.83	0.0803	0.0301	-23.87	127.84	7.0191	-0.8811	-22.41
21.88	0.0746	0.0259	-24.06	130.19	47.2950	-8.0272	-22.51
21.90	0.0742	0.0259	-23.79	132.53	44.5300	-7.5118	-22.52
16.69	0.0679	0.0220	-23.69	135.33	50.4700	-8.5343	-22.52
11.74	0.0618	0.0178	-23.72	134.42	49.1470	-8.2924	-22.52
11.77	0.0617	0.0175	-23.64	138.35	50.5480	-8.4929	-22.53
5.05	0.0563	0.0115	-22.47	140.1680	91.0000	-1438.6000	-22.53
0.02	0.0512	0.0081	-17.16	142.6311	188.0000	-1989.5000	-22.53
-0.04	0.0508	0.0069	-16.17	145.7810	236.0000	-1820.0000	-22.53
-0.02	0.0512	0.0069	-16.87	142.5211	147.0000	-2035.5000	-22.53
-0.02	0.0517	0.0068	-16.63	0.2211	26.0000	-2120.8000	-22.53
0.02	0.0519	0.0070	-17.04				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00011 (CH 1222)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 16 FT 0.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00011 (CH 1223)
 AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 16 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 12 CHANNELS 1225 1226 1227

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0018	-0.0009	40.25	9.89	0.0050	-0.0066	13.82
5.33	0.0035	-0.0111	19.95	19.55	0.0096	-0.0035	13.76
12.31	0.0069	-0.0128	18.74	29.57	0.0146	0.0015	12.46
16.44	0.0082	-0.0108	18.28	39.42	0.0199	0.0076	12.33
20.51	0.0106	-0.0084	13.91	49.16	0.0257	0.0143	15.04
20.46	0.0116	-0.0083	12.19	54.50	0.0287	0.0188	14.69
20.47	0.0117	-0.0083	10.70	59.57	0.0311	0.0233	22.04
27.05	0.0187	-0.0059	-1.05	64.20	0.0339	0.0272	41.41
34.69	0.0250	0.0018	-1.00	69.32	0.0406	0.0296	-28.83
34.53	0.0254	0.0024	-0.34	74.16	0.0492	0.0309	-19.35
34.53	0.0256	0.0023	0.11	80.16	0.0635	0.0328	-15.16
39.70	0.0292	0.0055	-1.25	85.61	0.0803	0.0366	-12.70
45.90	0.0329	0.0105	-2.33	90.58	0.0994	0.0434	-11.89
45.65	0.0328	0.0102	-2.09	95.69	0.1229	0.0546	-11.06
45.62	0.0324	0.0100	-3.03	100.92	0.1514	0.0703	-10.99
50.10	0.0342	0.0137	-2.97	103.25	0.1640	0.0792	-11.70
53.47	0.0350	0.0167	-4.51	106.11	0.1792	0.0889	-12.08
53.29	0.0348	0.0160	-5.02	108.31	0.1916	0.0963	-12.46
53.21	0.0345	0.0165	-3.39	111.08	0.2094	0.1082	-13.27
50.49	0.0329	0.0142	-6.24	113.24	0.2234	0.1170	-13.91
46.14	0.0311	0.0114	-5.05	117.83	0.2567	0.1388	-15.18
46.13	0.0308	0.0111	-5.46	120.92	0.2791	0.1550	-16.56
44.97	0.0317	0.0096	-3.98	123.28	0.2962	0.1692	-17.94
38.98	0.0283	0.0056	-5.61	122.97	0.2989	0.1720	-18.48
33.99	0.0258	0.0028	-4.53	125.82	0.3199	0.1906	-20.39
33.96	0.0257	0.0026	-4.83	125.60	0.3243	0.1957	-21.31
26.83	0.0220	-0.0014	-4.89	127.84	0.3388	0.2102	-23.00
21.88	0.0195	-0.0038	-4.62	130.19	0.3633	0.2371	-25.88
21.90	0.0196	-0.0038	-5.08	132.53	0.3975	0.2709	-29.27
16.69	0.0173	-0.0061	-5.87	135.33	0.4453	0.3144	-32.76
11.74	0.0152	-0.0075	-6.25	134.42	0.4539	0.3219	-32.89
11.77	0.0150	-0.0076	-5.79	138.35	0.5154	0.3798	-34.63
5.05	0.0130	-0.0076	-8.73	140.16	0.5679	0.4242	-34.78
0.02	0.0127	-0.0024	-22.52	142.63	0.6455	0.4874	-33.39
-0.04	0.0109	-0.0017	-21.54	145.78	0.7289	0.5535	-31.73
-0.02	0.0116	-0.0022	-22.73	142.52	0.7586	0.5698	-30.07
-0.02	0.0118	-0.0019	-23.59	0.22	0.7384	0.3742	-2.07
0.02	0.0118	-0.0016	-22.24				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00012 (CH 1225)
 AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 17 FT 6.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00012 (CH 1226)

AZ = 0.5 DEGREES R = 11 FT 0.0 IN. V = 17 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 13 CHANNELS 1228 1229 1240

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0009	-27.37	9.89	0.0136	0.0060	-22.16
5.33	0.0015	0.0006	27.23	19.55	0.0272	0.0101	-19.63
12.31	0.0041	0.0007	32.80	29.57	0.0402	0.0141	-19.62
16.44	0.0062	0.0022	42.28	39.42	0.0515	0.0179	-19.63
20.51	0.0141	0.0033	-20.96	49.16	0.0624	0.0213	-19.84
20.46	0.0161	0.0046	-17.87	54.50	0.0688	0.0237	-19.34
20.47	0.0169	0.0044	-19.70	59.57	0.0764	0.0259	-18.21
27.05	0.0308	0.0069	-18.89	64.20	0.0851	0.0283	-17.39
34.69	0.0467	0.0106	-19.44	69.32	0.0946	0.0305	-16.49
34.53	0.0483	0.0113	-19.87	74.16	0.1059	0.0327	-15.99
34.53	0.0493	0.0118	-19.13	80.16	0.1216	0.0321	-14.83
39.70	0.0572	0.0135	-19.84	85.61	0.1338	0.0334	-14.82
45.90	0.0697	0.0166	-19.09	90.58	0.1466	0.0344	-15.00
45.65	0.0718	0.0166	-18.61	95.69	0.1666	0.0354	-14.65
45.62	0.0723	0.0164	-18.93	100.92	0.1955	0.0363	-13.82
50.10	0.0790	0.0183	-18.59	103.25	0.2177	0.0367	-13.25
53.47	0.0852	0.0202	-18.06	106.11	0.2417	0.0369	-12.67
53.29	0.0860	0.0196	-18.47	108.31	0.2620	0.0380	-12.12
53.21	0.0867	0.0197	-18.19	111.08	0.2982	0.0397	-11.26
50.49	0.0851	0.0193	-18.13	113.24	0.3292	0.0414	-10.62
46.14	0.0818	0.0176	-17.74	117.83	0.4030	0.0458	-9.54
46.13	0.0815	0.0172	-17.88	120.92	0.4777	0.0499	-8.62
44.97	0.0779	0.0183	-18.03	123.28	0.5684	0.0549	-7.52
38.98	0.0731	0.0166	-18.56	122.97	0.6046	0.0560	-7.04
33.99	0.0684	0.0152	-18.32	125.82	0.7192	0.0617	-5.95
33.96	0.0681	0.0151	-18.88	125.60	0.7745	0.0647	-5.45
26.83	0.0603	0.0123	-19.31	127.84	0.8269	0.0684	-5.11
21.88	0.0542	0.0103	-20.05	130.19	0.9298	0.0765	-4.54
21.90	0.0545	0.0109	-19.33	132.53	1.0391	0.0866	-3.94
16.69	0.0486	0.0084	-20.26	135.33	1.1533	0.1019	-3.34
11.74	0.0427	0.0071	-19.37	134.42	1.1756	0.1057	-3.22
11.77	0.0428	0.0061	-19.79	138.35	1.3569	0.1169	-2.21
5.05	0.0350	0.0036	-19.51	140.16	1.5371	0.1283	-1.58
0.02	0.0283	0.0022	-17.92	142.63	1.7893	0.1399	-0.87
-0.04	0.0258	0.0003	-13.93	145.78	2.0215	0.1501	-0.46
-0.02	0.0249	0.0006	-16.04	142.52	2.1001	0.1504	-0.40
-0.02	0.0245	0.0024	-15.32	0.22	1.7295	0.0277	-0.62
0.02	0.0240	0.0016	-19.84				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE RC0013 (CH 1228)
AZ = 11.22 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00013 (CH 1229)

AZ = 11.22 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 14 CHANNELS 1241 1242 1243

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	-0.0014	24.16	9.89	0.0103	0.0045	-8.69
5.33	0.0011	-0.0016	32.74	19.55	0.0222	0.0090	-6.03
12.31	0.0027	-0.0009	20.25	29.57	0.0335	0.0137	-5.28
16.44	0.0038	0.0004	17.57	39.42	0.0439	0.0179	-6.62
20.51	0.0081	0.0050	-21.53	49.16	0.0538	0.0217	-7.87
20.46	0.0100	0.0058	-15.87	54.50	0.0599	0.0243	-7.88
20.47	0.0111	0.0064	-11.21	59.57	0.0670	0.0267	-7.52
27.05	0.0245	0.0111	-6.69	64.20	0.0744	0.0293	-6.62
34.69	0.0398	0.0165	-9.29	69.32	0.0824	0.0319	-6.37
34.53	0.0417	0.0172	-7.55	74.16	0.0913	0.0340	-6.78
34.53	0.0426	0.0167	-9.45	80.16	0.1043	0.0344	-6.73
39.70	0.0502	0.0195	-8.74	85.61	0.1132	0.0367	-6.85
45.90	0.0620	0.0231	-9.02	90.58	0.1221	0.0387	-6.88
45.65	0.0645	0.0228	-8.50	95.69	0.1338	0.0399	-7.45
45.62	0.0647	0.0229	-8.77	100.92	0.1468	0.0415	-7.94
50.10	0.0712	0.0246	-9.00	103.25	0.1547	0.0410	-8.39
53.47	0.0771	0.0269	-8.01	106.11	0.1626	0.0426	-8.57
53.29	0.0783	0.0266	-8.34	108.31	0.1691	0.0433	-8.78
53.21	0.0787	0.0267	-7.96	111.08	0.1799	0.0440	-9.25
50.49	0.0776	0.0262	-6.94	113.24	0.1893	0.0448	-9.33
46.14	0.0741	0.0238	-7.39	117.83	0.2121	0.0471	-9.82
46.13	0.0739	0.0238	-6.94	120.92	0.2361	0.0486	-9.94
44.97	0.0707	0.0245	-7.72	123.28	0.2634	0.0493	-9.87
38.98	0.0662	0.0229	-6.92	122.97	0.2702	0.0498	-9.65
33.99	0.0618	0.0205	-6.26	125.82	0.2941	0.0515	-9.77
33.96	0.0614	0.0206	-6.20	125.60	0.3061	0.0526	-9.70
26.83	0.0543	0.0179	-4.73	127.84	0.3237	0.0537	-9.67
21.88	0.0488	0.0155	-6.18	130.19	0.3710	0.0555	-9.38
21.90	0.0487	0.0154	-6.71	132.53	0.4403	0.0566	-8.82
16.69	0.0437	0.0131	-6.73	135.33	0.5774	0.0577	-8.21
11.74	0.0388	0.0112	-5.93	134.42	0.6452	0.0561	-7.79
11.77	0.0389	0.0105	-6.97	138.35	0.8515	0.0604	-6.11
5.05	0.0325	0.0078	-8.33	140.16	1.0044	0.0647	-4.95
0.02	0.0266	0.0062	-6.73	142.63	1.1438	0.0748	-4.62
-0.04	0.0246	0.0038	-7.56	145.78	1.2676	0.0870	-4.54
-0.02	0.0234	0.0042	-9.49	142.52	1.3071	0.0852	-4.66
-0.02	0.0229	0.0060	-8.14	0.22	1.0017	-0.0105	-4.86
0.02	0.0226	0.0065	-8.96				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00014 (CH 1241)

AZ = 12 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00014 (CH 1242)

AZ = 12 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 15 CHANNELS 1244 1245 1246

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0009	-0.0007	-12.66	9.89	0.0086	0.0020	-14.91
5.33	0.0005	-0.0010	22.57	19.55	0.0180	0.0040	-11.45
12.31	0.0005	-0.0009	18.84	29.57	0.0275	0.0059	-11.49
16.44	0.0004	-0.0004	33.84	39.42	0.0363	0.0078	-11.63
20.51	0.0042	0.0003	-1.10	49.16	0.0451	0.0099	-10.78
20.46	0.0058	0.0007	-5.00	54.50	0.0502	0.0116	-10.65
20.47	0.0066	0.0013	-2.25	59.57	0.0555	0.0129	-10.30
27.05	0.0178	0.0035	-9.71	64.20	0.0609	0.0147	-9.63
34.69	0.0322	0.0063	-12.39	69.32	0.0672	0.0163	-9.32
34.53	0.0341	0.0066	-13.34	74.16	0.0737	0.0179	-9.51
34.53	0.0344	0.0063	-13.42	80.16	0.0830	0.0176	-8.93
39.70	0.0411	0.0068	-13.32	85.61	0.0890	0.0185	-9.27
45.90	0.0515	0.0097	-12.03	90.58	0.0949	0.0194	-9.49
45.65	0.0534	0.0091	-12.53	95.69	0.1024	0.0204	-9.87
45.62	0.0536	0.0098	-11.67	100.92	0.1104	0.0213	-10.35
50.10	0.0590	0.0105	-11.69	103.25	0.1150	0.0216	-10.56
53.47	0.0637	0.0113	-11.86	106.11	0.1199	0.0220	-10.96
53.29	0.0640	0.0114	-11.56	108.31	0.1238	0.0232	-11.06
53.21	0.0646	0.0111	-11.36	111.08	0.1303	0.0239	-11.42
50.49	0.0631	0.0109	-11.16	113.24	0.1357	0.0251	-11.56
46.14	0.0597	0.0103	-11.15	117.83	0.1489	0.0274	-12.23
46.13	0.0596	0.0100	-10.80	120.92	0.1605	0.0290	-12.61
44.97	0.0562	0.0104	-12.18	123.28	0.1720	0.0306	-12.75
38.98	0.0517	0.0102	-11.43	122.97	0.1738	0.0304	-12.83
33.99	0.0480	0.0084	-12.78	125.82	0.1857	0.0325	-13.01
33.96	0.0475	0.0093	-12.90	125.60	0.1899	0.0336	-13.01
26.83	0.0411	0.0070	-13.79	127.84	0.1978	0.0343	-13.40
21.88	0.0368	0.0071	-13.21	130.19	0.2138	0.0378	-13.30
21.90	0.0368	0.0069	-13.59	132.53	0.2342	0.0409	-13.47
16.69	0.0326	0.0061	-14.33	135.33	0.2693	0.0467	-13.67
11.74	0.0287	0.0047	-15.53	134.42	0.2827	0.0478	-13.65
11.77	0.0287	0.0047	-15.06	138.35	0.3386	0.0580	-13.63
5.05	0.0236	0.0037	-15.85	140.16	0.4078	0.0661	-13.31
0.02	0.0189	0.0033	-16.24	142.63	0.5392	0.0828	-12.27
-0.04	0.0180	0.0017	-12.25	145.78	0.6876	0.1060	-10.29
-0.02	0.0172	0.0022	-15.53	142.52	0.7383	0.1087	-9.58
-0.02	0.0167	0.0026	-17.69	0.22	0.5174	0.0046	-9.76
0.02	0.0161	0.0036	-16.80				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00015 (CH 1244)

AZ = 12.95 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00015 (CH 1245)

AZ = 12.95 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 16 CHANNELS 1247 1248 1249

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0024	-0.0011	40.51	9.89	0.0124	0.0026	-27.59
5.33	0.0029	0.0005	40.47	19.55	0.0221	0.0044	-25.56
12.31	0.0053	-0.0011	43.51	29.57	0.0317	0.0070	-24.40
16.44	0.0064	-0.0004	44.26	39.42	0.0405	0.0095	-23.73
20.51	0.0096	0.0013	-27.34	49.16	0.0484	0.0127	-23.06
20.46	0.0107	0.0018	-25.81	54.50	0.0536	0.0133	-23.12
20.47	0.0114	0.0023	-23.44	59.57	0.0583	0.0152	-22.28
27.05	0.0230	0.0051	-21.67	64.20	0.0631	0.0169	-22.23
34.69	0.0376	0.0083	-22.15	69.32	0.0683	0.0188	-21.74
34.53	0.0393	0.0081	-21.88	74.16	0.0742	0.0194	-22.48
34.53	0.0396	0.0087	-20.94	80.16	0.0802	0.0195	-21.31
39.70	0.0457	0.0094	-21.13	85.61	0.0854	0.0187	-21.94
45.90	0.0552	0.0110	-20.89	90.58	0.0902	0.0183	-22.49
45.65	0.0566	0.0111	-19.65	95.69	0.0958	0.0178	-23.06
45.62	0.0567	0.0112	-19.62	100.92	0.1011	0.0172	-23.72
50.10	0.0614	0.0125	-19.41	103.25	0.1035	0.0170	-23.91
53.47	0.0658	0.0128	-19.37	106.11	0.1067	0.0166	-24.59
53.29	0.0664	0.0121	-19.07	108.31	0.1089	0.0169	-24.87
53.21	0.0667	0.0119	-18.90	111.08	0.1121	0.0164	-25.48
50.49	0.0651	0.0110	-18.74	113.24	0.1146	0.0162	-25.99
46.14	0.0622	0.0098	-18.30	117.83	0.1205	0.0160	-27.39
46.13	0.0619	0.0097	-17.70	120.92	0.1246	0.0160	-28.33
44.97	0.0597	0.0092	-19.77	123.28	0.1282	0.0150	-29.05
38.98	0.0554	0.0093	-18.08	122.97	0.1283	0.0155	-29.26
33.99	0.0518	0.0074	-18.31	125.82	0.1329	0.0155	-30.05
33.96	0.0514	0.0079	-18.12	125.60	0.1338	0.0158	-30.50
26.83	0.0453	0.0066	-17.53	127.84	0.1371	0.0169	-30.82
21.88	0.0408	0.0059	-16.62	130.19	0.1433	0.0170	-31.50
21.90	0.0409	0.0055	-16.90	132.53	0.1502	0.0194	-32.06
16.69	0.0366	0.0044	-15.90	135.33	0.1617	0.0222	-32.84
11.74	0.0322	0.0032	-15.50	134.42	0.1639	0.0231	-32.82
11.77	0.0322	0.0034	-14.11	138.35	0.1808	0.0303	-32.87
5.05	0.0266	0.0025	-11.71	140.16	0.1980	0.0374	-32.04
0.02	0.0209	0.0017	-8.07	142.63	0.2330	0.0517	-29.83
-0.04	0.0197	-0.0012	-7.76	145.78	0.2819	0.0687	-27.06
-0.02	0.0191	-0.0004	-9.21	142.52	0.3036	0.0661	-26.24
-0.02	0.0186	0.0004	-10.64	0.22	0.1354	-0.0524	-29.62
0.02	0.0183	0.0014	-9.87				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00016 (CH 1247)
AZ = 13.83 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00016 (CH 1248)

AZ = 13.83 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 17 CHANNELS 1260 1261 1262

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0011	-41.16	9.89	-0.0113	-0.0220	21.12
5.33	-0.0058	-0.0197	14.21	19.55	-0.0147	-0.0244	8.15
12.31	-0.0171	-0.0338	24.59	29.57	-0.0060	-0.0209	-8.19
16.44	-0.0238	-0.0407	26.93	39.42	0.0028	-0.0162	-10.99
20.51	-0.0261	-0.0435	24.11	49.16	0.0111	-0.0103	-12.32
20.46	-0.0251	-0.0422	23.01	54.50	0.0162	-0.0068	-13.38
20.47	-0.0253	-0.0413	20.15	59.57	0.0207	-0.0030	-13.63
27.05	-0.0208	-0.0388	9.73	64.20	0.0264	0.0006	-15.64
34.69	-0.0065	-0.0333	1.57	69.32	0.0321	0.0046	-16.83
34.53	-0.0052	-0.0324	0.58	74.16	0.0381	0.0088	-18.94
34.53	-0.0046	-0.0323	0.06	80.16	0.0430	0.0121	-19.18
39.70	0.0009	-0.0294	-1.72	85.61	0.0485	0.0158	-21.98
45.90	0.0099	-0.0239	-2.53	90.58	0.0538	0.0192	-24.50
45.65	0.0106	-0.0238	-1.92	95.69	0.0597	0.0223	-27.00
45.62	0.0107	-0.0237	-1.72	100.92	0.0666	0.0258	-29.12
50.10	0.0152	-0.0208	-2.40	103.25	0.0698	0.0270	-29.69
53.47	0.0192	-0.0180	-3.50	106.11	0.0739	0.0287	-31.22
53.29	0.0197	-0.0177	-2.15	108.31	0.0770	0.0303	-32.18
53.21	0.0196	-0.0180	-2.55	111.08	0.0813	0.0323	-33.36
50.49	0.0186	-0.0191	-1.82	113.24	0.0849	0.0333	-34.46
46.14	0.0161	-0.0210	-0.63	117.83	0.0938	0.0364	-36.94
46.13	0.0158	-0.0216	0.21	120.92	0.1008	0.0374	-38.52
44.97	0.0165	-0.0207	-1.27	123.28	0.1072	0.0390	-39.42
38.98	0.0127	-0.0230	-0.92	122.97	0.1085	0.0390	-39.31
33.99	0.0088	-0.0250	-0.32	125.82	0.1171	0.0413	-40.36
33.96	0.0090	-0.0248	0.00	125.60	0.1203	0.0412	-40.60
26.83	0.0028	-0.0272	2.09	127.84	0.1272	0.0420	-41.23
21.88	-0.0018	-0.0286	4.60	130.19	0.1411	0.0442	-41.99
21.90	-0.0024	-0.0285	3.47	132.53	0.1607	0.0466	-42.76
16.69	-0.0040	-0.0299	9.83	135.33	0.1974	0.0502	-43.78
11.74	-0.0022	-0.0286	13.98	134.42	0.2098	0.0484	-44.24
11.77	-0.0033	-0.0292	14.02	138.35	0.2644	0.0588	44.58
5.05	0.0042	-0.0208	12.83	140.16	0.3153	0.0704	43.93
0.02	0.0125	-0.0095	6.90	142.63	0.4062	0.1020	-44.86
-0.04	0.0126	-0.0080	12.01	145.78	0.5131	0.1491	-41.80
-0.02	0.0123	-0.0085	9.85	142.52	0.5411	0.1480	-41.74
-0.02	0.0124	-0.0085	10.80	0.22	0.3663	0.0242	44.05
0.02	0.0112	-0.0080	5.23				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00017 (CH 1260)

AZ = 16.87 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00017 (CH 1261)

AZ = 16.87 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 18 CHANNELS 1263 1264 1265

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0010	-0.0008	34.43	9.89	0.0142	0.0001	5.30
5.33	0.0037	-0.0014	3.33	19.55	0.0249	0.0043	2.26
12.31	0.0077	-0.0030	2.32	29.57	0.0350	0.0089	-1.16
16.44	0.0102	-0.0022	1.18	39.42	0.0451	0.0136	-2.13
20.51	0.0152	-0.0006	0.71	49.16	0.0543	0.0177	-3.59
20.46	0.0166	-0.0002	0.05	54.50	0.0599	0.0202	-4.16
20.47	0.0173	0.0003	1.04	59.57	0.0655	0.0229	-4.79
27.05	0.0273	0.0037	-1.74	64.20	0.0710	0.0266	-4.78
34.69	0.0403	0.0092	-2.24	69.32	0.0780	0.0293	-5.18
34.53	0.0420	0.0102	-1.04	74.16	0.0848	0.0330	-6.11
34.53	0.0421	0.0100	-2.01	80.16	0.0897	0.0347	-7.85
39.70	0.0479	0.0126	-2.35	85.61	0.0962	0.0378	-8.86
45.90	0.0568	0.0167	-4.04	90.58	0.1025	0.0407	-9.78
45.65	0.0572	0.0169	-3.82	95.69	0.1099	0.0435	-10.86
45.62	0.0572	0.0171	-3.21	100.92	0.1182	0.0468	-11.71
50.10	0.0622	0.0189	-4.45	103.25	0.1224	0.0480	-12.27
53.47	0.0669	0.0216	-3.94	106.11	0.1271	0.0497	-12.73
53.29	0.0672	0.0219	-3.80	108.31	0.1308	0.0509	-13.13
53.21	0.0672	0.0220	-4.04	111.08	0.1360	0.0525	-13.59
50.49	0.0658	0.0215	-3.03	113.24	0.1401	0.0537	-14.08
46.14	0.0627	0.0201	-2.27	117.83	0.1493	0.0568	-14.96
45.13	0.0625	0.0199	-1.87	120.92	0.1558	0.0588	-15.81
44.97	0.0653	0.0217	-1.08	123.28	0.1624	0.0598	-16.62
38.98	0.0607	0.0200	0.51	122.97	0.1639	0.0603	-16.60
33.99	0.0563	0.0177	1.33	125.82	0.1715	0.0624	-17.26
33.96	0.0560	0.0174	0.95	125.60	0.1742	0.0632	-17.36
26.83	0.0499	0.0148	3.10	127.84	0.1800	0.0646	-17.69
21.88	0.0453	0.0128	5.19	130.19	0.1913	0.0672	-18.47
21.90	0.0445	0.0126	4.86	132.53	0.2078	0.0697	-19.07
16.69	0.0394	0.0105	5.53	135.33	0.2384	0.0749	-19.97
11.74	0.0350	0.0083	8.69	134.42	0.2480	0.0746	-20.34
11.77	0.0336	0.0073	7.14	138.35	0.3110	0.0846	-19.90
5.05	0.0268	0.0056	11.48	140.16	0.3914	0.0940	-18.73
0.02	0.0203	0.0060	6.87	142.63	0.5982	0.1088	-15.94
-0.04	0.0184	0.0048	9.13	145.78	0.7945	0.1284	-14.69
-0.02	0.0195	0.0057	8.68	142.52	0.8096	0.1254	-15.76
-0.02	0.0198	0.0059	10.12	0.22	0.5352	0.0286	-17.34
0.02	0.0196	0.0058	10.38				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00018 (CH 1263)

AZ = 19.47 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00018 (CH 1264)

AZ = 19.47 DEGREES R = 11 FT 0.0 IN. V = 13 FT 0.2 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 19 CHANNELS 1266 1267 1268

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0017	-0.0012	-42.92	9.89	0.0066	-0.0072	2.76
5.33	0.0011	-0.0028	-4.39	19.55	0.0137	-0.0125	2.12
12.31	0.0024	-0.0068	6.49	29.57	0.0212	-0.0173	2.26
16.44	0.0041	-0.0089	6.11	39.42	0.0288	-0.0212	2.53
20.51	0.0068	-0.0120	3.75	49.16	0.0366	-0.0240	2.40
20.46	0.0075	-0.0128	4.50	54.50	0.0420	-0.0253	1.85
20.47	0.0079	-0.0128	4.05	59.57	0.0473	-0.0272	-0.08
27.05	0.0167	-0.0195	2.91	64.20	0.0539	-0.0303	-3.04
34.69	0.0228	-0.0252	2.62	69.32	0.0635	-0.0353	-5.45
34.53	0.0232	-0.0256	2.19	74.16	0.0751	-0.0414	-6.98
34.53	0.0235	-0.0259	2.31	80.16	0.1045	-0.0550	-8.50
39.70	0.0258	-0.0278	0.85	85.61	0.1388	-0.0668	-8.63
45.90	0.0292	-0.0302	-1.83	90.58	0.1840	-0.0784	-8.82
45.65	0.0301	-0.0314	-2.06	95.69	0.2543	-0.0928	-9.42
45.62	0.0305	-0.0315	-2.80	100.92	0.3303	-0.1070	-9.81
50.10	0.0324	-0.0326	-3.30	103.25	0.3637	-0.1129	-9.98
53.47	0.0351	-0.0342	-4.72	106.11	0.3944	-0.1182	-10.14
53.29	0.0365	-0.0350	-5.46	108.31	0.4188	-0.1221	-10.26
53.21	0.0371	-0.0353	-5.47	111.08	0.4612	-0.1288	-10.48
50.49	0.0368	-0.0355	-5.81	113.24	0.4897	-0.1335	-10.61
46.14	0.0356	-0.0356	-6.23	117.83	0.5559	-0.1420	-10.83
46.13	0.0353	-0.0355	-6.32	120.92	0.6082	-0.1490	-10.87
44.97	0.0338	-0.0348	-7.41	123.28	0.6387	-0.1534	-10.86
38.98	0.0311	-0.0346	-8.03	122.97	0.6411	-0.1543	-10.86
33.99	0.0289	-0.0340	-8.70	125.82	0.6720	-0.1573	-10.85
33.96	0.0290	-0.0338	-8.52	125.60	0.6750	-0.1580	-10.87
26.83	0.0250	-0.0328	-9.57	127.84	0.7057	-0.1601	-10.86
21.88	0.0217	-0.0309	-10.85	130.19	0.7421	-0.1638	-10.90
21.90	0.0217	-0.0308	-10.81	132.53	0.7932	-0.1671	-10.78
16.69	0.0184	-0.0288	-12.41	135.33	0.8573	-0.1723	-10.53
11.74	0.0149	-0.0260	-14.98	134.42	0.8624	-0.1738	-10.51
11.77	0.0148	-0.0260	-14.40	138.35	0.9514	-0.1800	-10.40
5.05	0.0102	-0.0217	-19.89	140.16	1.0084	-0.1849	-10.27
0.02	0.0078	-0.0186	-27.84	142.63	1.0726	-0.1888	-10.16
-0.04	0.0065	-0.0178	-30.18	145.78	1.1532	-0.1951	-9.91
-0.02	0.0057	-0.0181	-31.54	142.52	1.1609	-0.1984	-9.88
-0.02	0.0056	-0.0181	-32.32	0.22	0.8793	-0.1796	-10.84
0.02	0.0060	-0.0179	-32.31				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00019 (CH 1266)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 2.2 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00019 (CH 1267)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 2.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 20 CHANNELS 1269 1280 1281

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0020	-0.0007	28.92	9.89	0.0097	-0.0021	7.55
5.33	0.0018	0.0001	-22.56	19.55	0.0189	-0.0042	8.16
12.31	0.0041	-0.0006	-4.43	29.57	0.0280	-0.0051	4.57
16.44	0.0058	-0.0009	-0.04	39.42	0.0371	-0.0048	3.68
20.51	0.0093	-0.0016	-2.02	49.16	0.0462	-0.0038	2.61
20.46	0.0106	-0.0022	-3.66	54.50	0.0526	-0.0031	1.22
20.47	0.0111	-0.0025	-5.80	59.57	0.0609	-0.0021	0.04
27.05	0.0222	-0.0051	-3.85	64.20	0.0731	-0.0007	-2.14
34.69	0.0329	-0.0061	-3.12	69.32	0.0845	0.0015	-3.59
34.53	0.0341	-0.0076	-2.62	74.16	0.0965	0.0046	-5.14
34.53	0.0344	-0.0079	-2.98	80.16	0.1218	0.0057	-7.70
39.70	0.0388	-0.0078	-2.56	85.61	0.1430	0.0102	-9.15
45.90	0.0460	-0.0073	-4.07	90.58	0.1667	0.0139	-9.95
45.65	0.0484	-0.0092	-4.25	95.69	0.1936	0.0179	-10.47
45.62	0.0496	-0.0092	-4.99	100.92	0.2257	0.0234	-10.70
50.10	0.0537	-0.0087	-4.89	103.25	0.2447	0.0244	-10.75
53.47	0.0590	-0.0089	-5.47	106.11	0.2645	0.0277	-10.93
53.29	0.0616	-0.0091	-6.22	108.31	0.2795	0.0307	-11.04
53.21	0.0625	-0.0100	-6.31	111.08	0.3039	0.0349	-11.23
50.49	0.0625	-0.0114	-6.12	113.24	0.3201	0.0384	-11.25
46.14	0.0612	-0.0126	-6.96	117.83	0.3574	0.0489	-11.24
46.13	0.0609	-0.0131	-6.35	120.92	0.3851	0.0564	-11.17
44.97	0.0586	-0.0148	-7.38	123.28	0.4040	0.0608	-11.08
38.98	0.0559	-0.0163	-8.05	122.97	0.4057	0.0603	-11.08
33.99	0.0529	-0.0171	-8.23	125.82	0.4242	0.0683	-11.04
33.96	0.0525	-0.0168	-8.24	125.60	0.4263	0.0681	-11.06
26.83	0.0473	-0.0177	-8.52	127.84	0.4415	0.0750	-10.91
21.88	0.0430	-0.0177	-8.65	130.19	0.4605	0.0839	-10.66
21.90	0.0427	-0.0173	-8.77	132.53	0.4849	0.0972	-10.33
16.69	0.0382	-0.0173	-9.55	135.33	0.5203	0.1130	-9.95
11.74	0.0324	-0.0166	-10.27	134.42	0.5243	0.1133	-9.90
11.77	0.0328	-0.0164	-10.45	138.35	0.5736	0.1353	-9.44
5.05	0.0255	-0.0153	-13.72	140.16	0.6123	0.1501	-9.19
0.02	0.0201	-0.0136	-19.06	142.63	0.6653	0.1729	-8.77
-0.04	0.0184	-0.0120	-21.19	145.78	0.7366	0.2020	-8.48
-0.02	0.0177	-0.0123	-23.24	142.52	0.7508	0.2075	-8.38
-0.02	0.0181	-0.0125	-24.77	0.22	0.5185	0.1528	19.31
0.02	0.0166	-0.0119	-22.70				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00020 (CH 1269)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 4.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00020 (CH 1280)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 4.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 21 CHANNELS 1282 1283 1284

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0007	-0.0018	-28.64	9.89	0.0144	-0.0028	-35.92
5.33	0.0017	-0.0003	-22.31	19.55	0.0205	0.0017	-24.43
12.31	0.0045	-0.0004	-40.32	29.57	0.0299	0.0056	-21.13
16.44	0.0069	0.0002	-43.55	39.42	0.0381	0.0095	-18.89
20.51	0.0103	-0.0001	39.66	49.16	0.0473	0.0137	-17.79
20.46	0.0107	0.0005	38.00	54.50	0.0532	0.0163	-16.07
20.47	0.0109	0.0000	38.30	59.57	0.0580	0.0185	-12.61
27.05	0.0192	0.0038	22.46	64.20	0.0625	0.0208	-8.54
34.69	0.0287	0.0074	14.02	69.32	0.0669	0.0234	-5.40
34.53	0.0297	0.0069	13.34	74.16	0.0722	0.0257	-2.10
34.53	0.0298	0.0071	12.95	80.16	0.0815	0.0275	-0.71
39.70	0.0343	0.0078	13.10	85.61	0.0886	0.0320	-0.74
45.90	0.0397	0.0080	16.73	90.58	0.0951	0.0372	-1.61
45.65	0.0410	0.0072	16.59	95.69	0.1020	0.0432	-2.38
45.62	0.0410	0.0070	16.86	100.92	0.1082	0.0498	-2.50
50.10	0.0444	0.0078	17.62	103.25	0.1122	0.0530	-2.96
53.47	0.0471	0.0077	19.05	106.11	0.1151	0.0572	-3.32
53.29	0.0473	0.0077	19.03	108.31	0.1175	0.0607	-3.44
53.21	0.0476	0.0079	18.34	111.08	0.1213	0.0651	-3.48
50.49	0.0472	0.0066	18.30	113.24	0.1244	0.0694	-3.83
46.14	0.0455	0.0044	18.81	117.83	0.1309	0.0796	-4.13
46.13	0.0457	0.0043	18.54	120.92	0.1371	0.0870	-4.15
44.97	0.0432	0.0054	17.96	123.28	0.1429	0.0919	-4.83
38.98	0.0401	0.0032	17.77	122.97	0.1429	0.0924	-4.63
33.99	0.0373	0.0007	18.46	125.82	0.1488	0.0995	-5.64
33.96	0.0370	0.0002	19.57	125.60	0.1498	0.0999	-6.25
26.83	0.0325	-0.0034	20.85	127.84	0.1554	0.1059	-6.59
21.88	0.0288	-0.0057	22.10	130.19	0.1621	0.1142	-7.62
21.90	0.0286	-0.0065	23.32	132.53	0.1705	0.1263	-8.21
16.69	0.0249	-0.0096	25.51	135.33	0.1832	0.1416	-8.90
11.74	0.0212	-0.0126	28.31	134.42	0.1844	0.1426	-8.74
11.77	0.0208	-0.0121	27.80	138.35	0.2033	0.1645	-11.33
5.05	0.0140	-0.0131	31.17	140.16	0.2185	0.1804	-12.08
0.02	0.0085	-0.0134	35.23	142.63	0.2439	0.2062	-17.20
-0.04	0.0076	-0.0135	36.92	145.78	0.2831	0.2405	-24.92
-0.02	0.0065	-0.0128	38.13	142.52	0.2920	0.2501	-26.85
-0.02	0.0061	-0.0125	39.36	0.22	0.1632	0.0628	-12.12
0.02	0.0059	-0.0129	39.38				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00021 (CH 1282)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 6.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00021 (CH 1283)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 6.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 22 CHANNELS 1285 1286 1287

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.1165	-0.0201	-22.33	9.89	0.0073	0.0065	8.73
5.33	0.0082	-0.0001	-24.81	19.55	0.0146	0.0117	-36.04
12.31	0.0075	0.0022	-32.03	29.57	0.0221	0.0176	-39.48
16.44	0.0077	0.0037	-39.83	39.42	0.0300	0.0240	-42.22
20.51	0.0075	0.0062	39.30	49.16	0.0375	0.0304	-44.10
20.46	0.0067	0.0065	-34.68	54.50	0.0423	0.0344	-43.74
20.47	0.0073	0.0058	-15.27	59.57	0.0468	0.0399	-40.17
27.05	0.0138	0.0113	33.24	64.20	0.0525	0.0455	-28.85
34.69	0.0219	0.0182	31.76	69.32	0.0586	0.0504	-22.09
34.53	0.0224	0.0185	33.49	74.16	0.0663	0.0546	-17.41
34.53	0.0226	0.0137	33.15	80.16	0.0744	0.0598	-23.36
39.70	0.0265	0.0215	-44.28	85.61	0.0834	0.0635	-26.67
45.90	0.0325	0.0249	-29.36	90.58	0.0919	0.0659	-30.06
45.65	0.0329	0.0242	-28.09	95.69	0.1009	0.0689	-32.99
45.62	0.0334	0.0225	-28.51	100.92	0.1106	0.0729	-34.60
50.10	0.0370	0.0246	-23.98	103.25	0.1155	0.0753	-36.15
53.47	0.0408	0.0257	-20.37	106.11	0.1209	0.0785	-36.43
53.29	0.0405	0.0264	-21.92	108.31	0.1248	0.0813	-36.57
53.21	0.0409	0.0267	-18.91	111.08	0.1307	0.0863	-36.70
50.49	0.0397	0.0271	-18.04	113.24	0.1356	0.0901	-36.69
46.14	0.0370	0.0260	-19.62	117.83	0.1476	0.1021	-36.85
46.13	0.0370	0.0251	-20.63	120.92	0.1583	0.1126	-38.68
44.97	0.0374	0.0222	-14.58	123.28	0.1688	0.1216	-40.80
38.98	0.0338	0.0194	-13.80	122.97	0.1698	0.1233	-41.24
33.99	0.0305	0.0171	-13.11	125.82	0.1811	0.1340	-42.89
33.96	0.0305	0.0159	-15.86	125.60	0.1836	0.1354	-43.33
26.83	0.0259	0.0125	-13.26	127.84	0.1934	0.1438	-44.69
21.88	0.0224	0.0095	-12.99	130.19	0.2085	0.1551	43.59
21.90	0.0219	0.0087	-11.98	132.53	0.2292	0.1689	42.65
16.69	0.0185	0.0052	-14.45	135.33	0.2580	0.1893	40.45
11.74	0.0151	0.0009	-13.15	134.42	0.2632	0.1910	39.88
11.77	0.0146	0.0010	-13.05	138.35	0.3004	0.2199	37.12
5.05	0.0106	-0.0028	-6.41	140.16	0.3319	0.2431	34.11
0.02	0.0071	-0.0063	-9.33	142.63	0.3780	0.2790	30.84
-0.04	0.0064	-0.0060	-3.30	145.78	0.4363	0.3254	27.09
-0.02	0.0070	-0.0066	3.38	142.52	0.4524	0.3385	27.02
-0.02	0.0071	-0.0079	-3.09	0.22	0.2891	0.1544	44.77
0.02	0.0075	-0.0083	-1.15				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00022 (CH 1285)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 8.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00022 (CH 1286)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 15 FT 8.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 23 CHANNELS 1288 1289 1300

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0016	-0.0011	-26.82	9.89	0.0289	0.0060	-0.37
5.33	0.0127	0.0007	11.07	19.55	0.0415	0.0132	-2.57
12.31	0.0164	0.0022	4.84	29.57	0.0533	0.0215	-3.70
16.44	0.0189	0.0032	2.52	39.42	0.0646	0.0290	-6.42
20.51	0.0241	0.0058	4.00	49.16	0.0749	0.0370	-6.30
20.46	0.0249	0.0063	3.04	54.50	0.0821	0.0418	-6.98
20.47	0.0257	0.0067	4.82	59.57	0.0900	0.0468	-4.75
27.05	0.0364	0.0146	0.35	64.20	0.1044	0.0521	-2.38
34.69	0.0533	0.0239	-0.91	69.32	0.1230	0.0582	-1.23
34.53	0.0545	0.0239	-1.43	74.16	0.1448	0.0663	-1.17
34.53	0.0546	0.0239	-1.78	80.16	0.1724	0.0801	-3.08
39.70	0.0634	0.0283	-2.00	85.61	0.1977	0.0932	-5.33
45.90	0.0764	0.0361	-0.21	90.58	0.2199	0.1070	-7.21
45.65	0.0776	0.0367	0.20	95.69	0.2416	0.1227	-8.68
45.62	0.0775	0.0364	-0.42	100.92	0.2624	0.1379	-9.68
50.10	0.0844	0.0413	1.52	103.25	0.2700	0.1454	-10.03
53.47	0.0921	0.0457	2.78	106.11	0.2792	0.1528	-10.35
53.29	0.0937	0.0459	2.14	108.31	0.2867	0.1591	-10.39
53.21	0.0945	0.0457	2.28	111.08	0.2974	0.1673	-10.70
50.49	0.0937	0.0448	2.86	113.24	0.3052	0.1741	-10.70
46.14	0.0905	0.0424	3.36	117.83	0.3247	0.1899	-10.71
46.13	0.0903	0.0425	3.63	120.92	0.3370	0.2026	-10.47
44.97	0.0917	0.0417	3.32	123.28	0.3458	0.2128	-10.20
38.98	0.0874	0.0379	4.72	122.97	0.3463	0.2143	-10.24
33.99	0.0832	0.0345	5.87	125.82	0.3581	0.2251	-9.38
33.96	0.0831	0.0344	5.66	125.60	0.3586	0.2283	-9.01
26.83	0.0760	0.0290	6.33	127.84	0.3661	0.2376	-7.28
21.88	0.0709	0.0253	7.49	130.19	0.3784	0.2518	-6.28
21.90	0.0710	0.0254	7.39	132.53	0.3963	0.2697	-5.77
16.69	0.0657	0.0212	9.34	135.33	0.4203	0.2970	-4.86
11.74	0.0599	0.0172	10.14	134.42	0.4231	0.3033	-4.28
11.77	0.0586	0.0173	10.31	138.35	0.4603	0.3432	-2.20
5.05	0.0438	0.0126	9.43	140.16	0.4926	0.3786	0.65
0.02	0.0287	0.0076	24.33	142.63	0.5474	0.4278	5.67
-0.04	0.0264	0.0060	25.66	145.78	0.6188	0.4793	10.42
-0.02	0.0281	0.0057	27.04	142.52	0.6450	0.4918	10.95
-0.02	0.0278	0.0062	26.48	0.22	0.4855	0.3094	3.96
0.02	0.0278	0.0041	25.77				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00023 (CH 1288)
AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 16 FT 2.2 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00023 (CH 1289)
AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 16 FT 2.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 24 CHANNELS 1301 1302 1303

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	0.0005	-25.27	9.89	0.0272	0.0094	2.70
5.33	0.0133	0.0024	-3.40	19.55	0.0460	0.0182	5.31
12.31	0.0206	0.0046	-3.70	29.57	0.0628	0.0277	6.36
16.44	0.0235	0.0074	-2.04	39.42	0.0768	0.0369	6.54
20.51	0.0285	0.0133	-0.07	49.16	0.0891	0.0456	6.20
20.46	0.0296	0.0148	1.65	54.50	0.0967	0.0502	5.95
20.47	0.0302	0.0157	1.85	59.57	0.1065	0.0547	6.71
27.05	0.0424	0.0270	5.14	64.20	0.1189	0.0592	7.70
34.69	0.0632	0.0394	6.88	69.32	0.1324	0.0650	8.42
34.53	0.0654	0.0399	7.55	74.16	0.1484	0.0717	9.16
34.53	0.0656	0.0400	6.79	80.16	0.1695	0.0819	10.06
39.70	0.0761	0.0449	7.92	85.61	0.1903	0.0940	10.03
45.90	0.0925	0.0518	9.06	90.58	0.2106	0.1085	9.35
45.65	0.0941	0.0517	9.78	95.69	0.2319	0.1275	8.16
45.62	0.0939	0.0517	9.09	100.92	0.2532	0.1511	7.26
50.10	0.1032	0.0554	9.56	103.25	0.2607	0.1633	7.08
53.47	0.1122	0.0588	10.25	106.11	0.2700	0.1763	6.88
53.29	0.1132	0.0588	10.10	108.31	0.2779	0.1864	6.91
53.21	0.1131	0.0586	9.89	111.08	0.2884	0.2027	7.19
50.49	0.1120	0.0571	10.53	113.24	0.2964	0.2147	7.58
46.14	0.1083	0.0539	11.33	117.83	0.3169	0.2446	9.39
46.13	0.1083	0.0537	11.53	120.92	0.3291	0.2659	11.28
44.97	0.1091	0.0541	13.24	123.28	0.3389	0.2847	14.66
38.98	0.1031	0.0494	14.03	122.97	0.3405	0.2885	16.30
33.99	0.0969	0.0452	14.67	125.82	0.3551	0.3115	24.13
33.96	0.0967	0.0452	13.92	125.60	0.3584	0.3173	28.64
26.83	0.0864	0.0388	14.87	127.84	0.3718	0.3325	38.47
21.88	0.0781	0.0344	15.18	130.19	0.3994	0.3558	-35.12
21.90	0.0781	0.0346	14.58	132.53	0.4428	0.3806	-24.74
16.69	0.0687	0.0298	15.52	135.33	0.5056	0.4125	-18.71
11.74	0.0584	0.0249	16.40	134.42	0.5173	0.4184	-17.82
11.77	0.0588	0.0248	16.02	138.35	0.5921	0.4673	-16.44
5.05	0.0425	0.0183	19.50	140.16	0.6495	0.5103	-17.40
0.02	0.0287	0.0117	33.53	142.63	0.7273	0.5772	-20.04
-0.04	0.0276	0.0109	27.46	145.78	0.8091	0.6503	-23.53
-0.02	0.0285	0.0111	31.77	142.52	0.8327	0.6756	-26.21
-0.02	0.0288	0.0108	32.30	0.22	0.6403	0.3615	-14.42
0.02	0.0285	0.0096	32.12				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00024 (CH 1301)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 16 FT 8.2 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00024 (CH 1302)

AZ = 0.0 DEGREES R = 11 FT 0.0 IN. V = 16 FT 8.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 25 CHANNELS 1304 1305 1306

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0012	-0.0007	-35.28	9.89	0.0882	-0.4593	-22.94
5.33	0.0041	0.0007	14.69	19.55	0.0906	-0.4494	-23.42
12.31	0.0087	0.0013	5.33	29.57	0.0933	-0.4398	-23.92
16.44	0.0118	0.0014	4.99	39.42	0.0963	-0.4308	-24.41
20.51	0.0168	0.0015	4.27	49.16	0.0988	-0.4221	-24.87
20.46	0.0180	0.0025	3.01	54.50	0.1006	-0.4168	-25.09
20.47	0.0184	0.0026	4.54	59.57	0.1029	-0.4131	-25.39
27.05	0.0276	0.0030	1.56	64.20	0.1056	-0.4126	-25.50
34.69	0.0407	0.0039	0.22	69.32	0.1067	-0.4114	-25.23
34.53	0.0420	0.0046	0.87	74.16	0.1116	-0.4154	-25.10
34.53	0.0424	0.0048	0.67	80.16	0.1170	-0.4121	-25.37
39.70	0.0486	0.0049	1.53	85.61	0.1227	-0.4102	-25.72
45.90	0.0581	0.0067	0.97	90.58	0.1276	-0.4089	-25.94
45.65	0.0581	0.0074	1.52	95.69	0.1333	-0.4090	-26.20
45.62	0.0583	0.0072	1.72	100.92	0.1395	-0.4099	-26.45
50.10	0.0627	0.0091	1.62	103.25	0.1430	-0.4094	-26.49
53.47	0.0663	0.0107	1.92	106.11	0.1454	-0.4096	-26.62
53.29	0.0666	0.0114	2.26	108.31	0.1473	-0.4087	-26.70
53.21	0.0664	0.0115	2.67	111.08	0.1499	-0.4071	-26.78
50.49	0.0648	0.0122	2.64	113.24	0.1517	-0.4053	-26.83
46.14	0.0610	0.0123	2.98	117.83	0.1553	-0.4025	-26.77
46.13	0.0608	0.0122	2.53	120.92	0.1589	-0.3640	-27.82
44.97	0.0624	0.0137	1.83	123.28	0.1568	-0.3187	-28.87
38.98	0.0559	0.0132	2.70	122.97	0.1567	-0.3074	-29.18
33.99	0.0508	0.0131	2.78	125.82	0.1596	-0.2601	-31.04
33.96	0.0510	0.0129	3.25	125.60	0.1612	-0.2466	-31.73
26.83	0.0432	0.0126	3.61	127.84	0.1634	-0.2108	-33.44
21.88	0.0374	0.0124	4.67	130.19	0.1788	-0.1684	-36.98
21.90	0.0375	0.0123	3.90	132.53	0.2044	-0.1227	-42.39
16.69	0.0311	0.0117	5.86	135.33	0.2577	-0.0761	39.82
11.74	0.0250	0.0117	8.34	134.42	0.2726	-0.0742	38.76
11.77	0.0243	0.0109	8.71	138.35	0.3855	-0.0676	32.37
5.05	0.0166	0.0102	18.12	140.16	0.4711	-0.0586	28.63
0.02	0.0121	0.0084	-33.19	142.63	0.5639	-0.0545	26.24
-0.04	0.0127	0.0117	-37.15	145.78	0.6327	-0.0666	25.48
-0.02	0.0133	0.0125	18.92	142.52	0.6458	-0.0699	25.82
-0.02	0.0142	0.0124	-4.65	0.22	0.4954	-0.0642	22.26
0.02	0.0146	0.0095	-16.27				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00025 (CH 1304)

AZ = 359.5 DEGREES R = 11 FT 0.0 IN. V = 5 FT 1.9 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00025 (CH 1305)

AZ = 359.5 DEGREES R = 11 FT 0.0 IN. V = 5 FT 1.9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 26 CHANNELS 1307 1308 1309

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0012	-0.0014	-38.97	9.89	0.0133	0.0108	5.68
5.33	0.0143	0.0008	43.13	19.55	0.0212	0.0193	-42.61
12.31	0.0182	0.0039	38.42	29.57	0.0327	0.0261	-23.94
16.44	0.0210	0.0065	32.92	39.42	0.0437	0.0325	-19.88
20.51	0.0253	0.0102	25.28	49.16	0.0551	0.0380	-16.74
20.46	0.0264	0.0111	25.87	54.50	0.0610	0.0421	-16.35
20.47	0.0267	0.0119	25.18	59.57	0.0681	0.0442	-15.64
27.05	0.0344	0.0194	20.59	64.20	0.0750	0.0464	-16.02
34.69	0.0472	0.0313	16.85	69.32	0.0799	0.0494	-13.59
34.53	0.0479	0.0326	15.07	74.16	0.0860	0.0524	-11.53
34.53	0.0481	0.0331	14.61	80.16	0.0960	0.0540	-9.40
39.70	0.0557	0.0375	9.90	85.61	0.1112	0.0533	-6.59
45.90	0.0657	0.0447	7.35	90.58	0.1310	0.0487	-5.27
45.65	0.0657	0.0442	8.36	95.69	0.1566	0.0419	-4.25
45.62	0.0658	0.0445	7.14	100.92	0.1830	0.0374	-4.08
50.10	0.0712	0.0476	6.71	103.25	0.1967	0.0358	-4.32
53.47	0.0751	0.0503	7.03	106.11	0.2131	0.0342	-4.51
53.29	0.0752	0.0505	5.72	108.31	0.2241	0.0346	-4.84
53.21	0.0749	0.0503	6.85	111.08	0.2402	0.0369	-5.79
50.49	0.0722	0.0499	5.75	113.24	0.2542	0.0397	-6.78
46.14	0.0674	0.0478	7.65	117.83	0.2937	0.0513	-9.31
46.13	0.0671	0.0476	7.46	120.92	0.3211	0.0623	-10.68
44.97	0.0659	0.0486	11.48	123.28	0.3461	0.0722	-12.35
38.98	0.0591	0.0451	18.50	122.97	0.3518	0.0740	-12.75
33.99	0.0543	0.0410	25.89	125.82	0.3915	0.0856	-14.96
33.96	0.0544	0.0409	25.06	125.60	0.4028	0.0877	-15.44
26.83	0.0485	0.0333	35.80	127.84	0.4264	0.0949	-16.20
21.88	0.0448	0.0278	40.76	130.19	0.4653	0.1067	-17.04
21.90	0.0441	0.0285	40.16	132.53	0.5091	0.1199	-17.58
16.69	0.0405	0.0222	43.38	135.33	0.6017	0.1291	-18.48
11.74	0.0367	0.0173	44.89	134.42	0.6250	0.1289	-18.73
11.77	0.0363	0.0170	44.08	138.35	0.7489	0.1361	-19.18
5.05	0.0313	0.0101	44.78	140.16	0.8392	0.1410	-19.50
0.02	0.0229	0.0041	38.67	142.63	0.9526	0.1485	-19.91
-0.04	0.0226	0.0055	35.36	145.78	1.0426	0.1644	-19.96
-0.02	0.0243	0.0060	41.02	142.52	1.0713	0.1703	-19.90
-0.02	0.0245	0.0050	41.54	0.22	0.8279	0.1091	-24.87
0.02	0.0231	0.0054	38.82				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00026 (CH 1307)
AZ = 359.47 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.8 IN.

LINER ROSETTE - MINIMUM STRAIN ROSETTE R00026 (CH 1308)

AZ = 359.47 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 27 CHANNELS 1320 1321 1322

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	0.0001	21.54	9.89	0.0041	-0.0005	-19.87
5.33	0.0024	-0.0008	20.77	19.55	0.0027	-0.0051	42.55
12.31	0.0037	-0.0012	18.51	29.57	0.0020	-0.0132	30.35
16.44	0.0029	-0.0018	24.57	39.42	0.0018	-0.0219	26.00
20.51	0.0011	-0.0032	40.26	49.16	0.0015	-0.0303	23.25
20.46	0.0004	-0.0034	-44.10	54.50	0.0012	-0.0352	22.04
20.47	0.0001	-0.0037	-42.25	59.57	0.0014	-0.0404	21.47
27.05	-0.0026	-0.0059	-6.32	64.20	0.0011	-0.0460	20.58
34.69	-0.0028	-0.0190	22.14	69.32	0.0004	-0.0509	19.79
34.53	-0.0025	-0.0199	23.12	74.16	0.0007	-0.0589	19.87
34.53	-0.0024	-0.0200	23.59	80.16	0.0005	-0.0656	19.31
39.70	-0.0021	-0.0238	24.21	85.61	-0.0006	-0.0708	18.19
45.90	-0.0019	-0.0294	24.23	90.58	-0.0016	-0.0738	16.31
45.65	-0.0016	-0.0291	24.42	95.69	-0.0024	-0.0762	14.88
45.62	-0.0019	-0.0287	24.15	100.92	-0.0032	-0.0797	13.73
50.10	-0.0019	-0.0324	23.53	103.25	-0.0035	-0.0821	13.08
53.47	-0.0024	-0.0361	21.64	106.11	-0.0039	-0.0842	12.56
53.29	-0.0023	-0.0361	21.34	108.31	-0.0042	-0.0864	12.15
53.21	-0.0023	-0.0360	21.08	111.08	-0.0047	-0.0907	11.69
50.49	-0.0021	-0.0343	21.56	113.24	-0.0051	-0.0940	11.28
46.14	-0.0017	-0.0309	22.31	117.83	-0.0062	-0.1010	10.78
46.13	-0.0014	-0.0305	22.56	120.92	-0.0071	-0.1073	10.54
44.97	-0.0012	-0.0304	20.95	123.28	-0.0074	-0.1120	10.30
38.98	-0.0006	-0.0258	22.83	122.97	-0.0075	-0.1127	10.26
33.99	-0.0004	-0.0215	24.79	125.82	-0.0083	-0.1185	9.89
33.96	-0.0004	-0.0221	24.88	125.60	-0.0086	-0.1209	9.86
26.83	0.0001	-0.0157	28.90	127.84	-0.0094	-0.1255	9.85
21.88	0.0005	-0.0113	34.04	130.19	-0.0105	-0.1321	9.90
21.90	0.0004	-0.0114	34.90	132.53	-0.0111	-0.1386	9.95
16.69	0.0008	-0.0077	43.43	135.33	-0.0118	-0.1483	10.04
11.74	0.0016	-0.0046	-32.53	134.42	-0.0118	-0.1505	10.07
11.77	0.0019	-0.0045	-28.91	138.35	-0.0120	-0.1624	10.34
5.05	0.0029	-0.0027	-15.81	140.16	-0.0120	-0.1698	10.53
0.02	0.0032	-0.0019	-13.67	142.63	-0.0116	-0.1784	10.83
-0.04	0.0024	0.0001	2.02	145.78	-0.0114	-0.1885	11.07
-0.02	0.0025	0.0002	0.93	142.52	-0.0091	-0.1880	11.47
-0.02	0.0025	-0.0001	1.79	0.22	0.0655	-0.0727	18.57
0.02	0.0024	-0.0018	5.42				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00027 (CH 1320)

AZ = 44.48 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.5 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00027 (CH 1321)

AZ = 44.48 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 28 CHANNELS 1323 1324 1325

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure	Maximum	Minimum	Angle	Pressure	Maximum	Minimum	Angle
psig	%Strain	%Strain	Degrees	psig	%Strain	%Strain	Degrees
-0.05	0.0022	-0.0018	-44.40	9.89	0.0221	-0.0140	41.02
5.33	0.0118	-0.0092	-42.94	19.55	0.0249	-0.0102	36.86
12.31	0.0234	-0.0183	-42.77	29.57	0.0304	-0.0091	34.28
16.44	0.0274	-0.0205	-42.45	39.42	0.0310	-0.0037	28.78
20.51	0.0306	-0.0209	-41.90	49.16	0.0335	0.0003	24.74
20.46	0.0320	-0.0214	-41.86	54.50	0.0339	0.0038	19.68
20.47	0.0331	-0.0221	-41.98	59.57	0.0373	0.0044	19.46
27.05	0.0379	-0.0218	-40.87	64.20	0.0384	0.0079	13.32
34.69	0.0441	-0.0199	-39.25	69.32	0.0407	0.0107	4.91
34.53	0.0470	-0.0219	-39.58	74.16	0.0445	0.0128	10.55
34.53	0.0485	-0.0234	-39.77	80.16	0.0507	0.0119	19.57
39.70	0.0528	-0.0241	-39.24	85.61	0.0579	0.0102	24.24
45.90	0.0629	-0.0284	-38.96	90.58	0.0630	0.0105	25.28
45.65	0.0780	-0.0434	-40.38	95.69	0.0691	0.0113	26.50
45.62	0.0821	-0.0474	-40.67	100.92	0.0731	0.0144	26.91
50.10	0.0898	-0.0519	-40.61	103.25	0.0771	0.0145	28.30
53.47	0.1054	-0.0643	-40.92	106.11	0.0799	0.0154	28.82
53.29	0.1244	-0.0828	-41.63	108.31	0.0834	0.0149	29.73
53.21	0.1329	-0.0912	-41.84	111.08	0.0919	0.0109	32.21
50.49	0.1471	-0.1059	-42.25	113.24	0.0953	0.0110	32.66
46.14	0.1725	-0.1332	-42.82	117.83	0.1014	0.0133	33.14
46.13	0.1886	-0.1496	-43.03	120.92	0.1060	0.0151	33.49
44.97	0.2503	-0.2096	-43.55	123.28	0.1074	0.0197	32.93
38.98	0.2804	-0.2433	-43.81	122.97	0.1077	0.0206	32.73
33.99	0.2720	-0.2378	-43.87	125.82	0.1144	0.0204	33.75
33.96	0.2833	-0.2490	-43.91	125.60	0.1171	0.0196	34.09
26.83	0.2934	-0.2637	-44.09	127.84	0.1199	0.0208	34.09
21.88	0.2969	-0.2705	-44.20	130.19	0.1272	0.0223	34.44
21.90	0.2828	-0.2566	-44.18	132.53	0.1369	0.0249	34.69
16.69	0.2744	-0.2518	-44.26	135.33	0.1520	0.0269	35.36
11.74	0.2539	-0.2347	-44.34	134.42	0.1538	0.0283	35.28
11.77	0.2563	-0.2381	-44.35	138.35	0.1680	0.0346	35.50
5.05	0.2582	-0.2444	-44.54	140.16	0.1749	0.0413	35.32
0.02	0.2530	-0.2426	-44.68	142.63	0.1849	0.0504	34.64
-0.04	0.4897	-0.4774	-44.86	145.78	0.1972	0.0591	33.56
-0.02	0.4104	-0.3974	-44.83	142.52	0.2029	0.0631	33.43
-0.02	0.4189	-0.4061	-44.83	0.22	0.6152	-0.5021	44.95
0.02	0.3971	-0.3855	-44.82				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00028 (CH 1323)

AZ = 44.18 DEGREES R = 11 FT 0.0 IN. V = 4 FT 1.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00028 (CH 1324)

AZ = 44.18 DEGREES R = 11 FT 0.0 IN. V = 4 FT 1.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 29 CHANNELS 1326 1327 1328

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	0.0000	-42.74	9.89	0.0096	0.0018	10.18
5.33	0.0028	0.0008	17.58	19.55	0.0190	0.0025	10.67
12.31	0.0061	0.0012	13.71	29.57	0.0284	0.0034	10.76
16.44	0.0084	0.0016	13.17	39.42	0.0370	0.0043	10.18
20.51	0.0119	0.0020	13.21	49.16	0.0453	0.0054	10.65
20.46	0.0130	0.0024	14.01	54.50	0.0501	0.0063	10.62
20.47	0.0135	0.0025	14.08	59.57	0.0551	0.0069	10.25
27.05	0.0204	0.0030	12.98	64.20	0.0608	0.0084	10.43
34.69	0.0322	0.0042	12.21	69.32	0.0664	0.0099	9.60
34.53	0.0334	0.0046	12.44	74.16	0.0716	0.0124	10.34
34.53	0.0335	0.0047	12.23	80.16	0.0775	0.0147	10.77
39.70	0.0388	0.0052	12.07	85.61	0.0839	0.0167	11.16
45.90	0.0474	0.0063	11.98	90.58	0.0901	0.0187	11.52
45.65	0.0476	0.0064	11.84	95.69	0.0972	0.0211	11.78
45.62	0.0477	0.0064	11.91	100.92	0.1040	0.0243	12.45
50.10	0.0525	0.0069	11.84	103.25	0.1073	0.0262	12.77
53.47	0.0569	0.0078	11.70	106.11	0.1110	0.0277	13.00
53.29	0.0577	0.0081	11.79	108.31	0.1139	0.0289	13.41
53.21	0.0578	0.0082	11.73	111.08	0.1181	0.0307	13.85
50.49	0.0567	0.0084	11.68	113.24	0.1212	0.0320	14.02
46.14	0.0540	0.0082	11.69	117.83	0.1289	0.0351	15.27
46.13	0.0539	0.0082	11.64	120.92	0.1344	0.0373	16.13
44.97	0.0547	0.0095	11.56	123.28	0.1391	0.0395	16.99
38.98	0.0504	0.0086	11.62	122.97	0.1400	0.0400	17.20
33.99	0.0464	0.0082	11.61	125.82	0.1452	0.0420	18.22
33.96	0.0465	0.0082	11.57	125.60	0.1462	0.0427	18.39
26.83	0.0405	0.0073	11.58	127.84	0.1493	0.0441	18.75
21.88	0.0361	0.0068	11.45	130.19	0.1542	0.0470	19.77
21.90	0.0359	0.0067	11.54	132.53	0.1574	0.0513	21.60
16.69	0.0313	0.0062	11.92	135.33	0.1757	0.0549	22.63
11.74	0.0266	0.0055	11.75	134.42	0.1886	0.0538	22.35
11.77	0.0257	0.0051	11.57	138.35	0.2312	0.0513	22.66
5.05	0.0196	0.0045	11.86	140.16	0.2612	0.0502	22.42
0.02	0.0146	0.0040	11.46	142.63	0.2748	0.0537	21.65
-0.04	0.0150	0.0052	16.96	145.78	0.2875	0.0571	20.80
-0.02	0.0156	0.0055	17.65	142.52	0.2940	0.0574	21.09
-0.02	0.0156	0.0054	16.32	0.22	0.1168	-0.0066	15.85
0.02	0.0151	0.0045	17.56				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00029 (CH 1326)

AZ = 45 DEGREES R = 11 FT 0.0 IN. V = 5 FT 5.9 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00029 (CH 1327)

AZ = 45 DEGREES R = 11 FT 0.0 IN. V = 5 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 30 CHANNELS 1329 1340 2222

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0007	0.0003	18.56	9.89	0.0081	0.0081	22.47
5.33	0.0056	0.0010	10.93	19.55	0.0145	0.0145	23.68
12.31	0.0122	0.0023	12.81	29.57	0.0209	0.0209	23.94
16.44	0.0157	0.0027	11.73	39.42	0.0268	0.0268	24.66
20.51	0.0188	0.0032	9.36	49.16	0.0325	0.0325	24.96
20.46	0.0200	0.0034	8.52	54.50	0.0360	0.0360	24.98
20.47	0.0207	0.0034	7.59	59.57	0.0395	0.0395	24.76
27.05	0.0270	0.0046	6.88	64.20	0.0439	0.0439	24.21
34.69	0.0375	0.0072	5.71	69.32	0.0486	0.0486	23.61
34.53	0.0390	0.0080	6.11	74.16	0.0530	0.0530	23.38
34.53	0.0389	0.0083	5.78	80.16	0.0570	0.0570	23.18
39.70	0.0451	0.0115	6.94	85.61	0.0607	0.0607	22.93
45.90	0.0547	0.0194	8.95	90.58	0.0643	0.0643	22.91
45.65	0.0551	0.0205	9.13	95.69	0.0681	0.0681	22.97
45.62	0.0548	0.0207	9.03	100.92	0.0722	0.0722	23.11
50.10	0.0598	0.0233	8.96	103.25	0.0741	0.0741	23.16
53.47	0.0641	0.0265	8.80	106.11	0.0760	0.0760	23.21
53.29	0.0647	0.0275	9.22	108.31	0.0773	0.0773	23.23
53.21	0.0649	0.0278	9.45	111.08	0.0790	0.0790	23.26
50.49	0.0634	0.0278	9.71	113.24	0.0802	0.0802	23.29
46.14	0.0597	0.0270	9.90	117.83	0.0815	0.0815	23.46
46.13	0.0594	0.0268	10.05	120.92	0.0867	0.0821	23.57
44.97	0.0608	0.0279	12.70	123.28	0.0917	0.0825	23.73
38.98	0.0567	0.0299	20.41	122.97	0.0927	0.0824	23.81
33.99	0.0518	0.0286	21.89	125.82	0.0990	0.0818	23.90
33.96	0.0518	0.0287	21.00	125.60	0.1007	0.0817	23.88
26.83	0.0445	0.0267	25.00	127.84	0.1051	0.0819	23.91
21.88	0.0403	0.0254	31.53	130.19	0.1163	0.0810	24.08
21.90	0.0380	0.0256	33.17	132.53	0.1352	0.0786	24.15
16.69	0.0333	0.0231	41.36	135.33	0.1665	0.0776	24.25
11.74	0.0297	0.0200	-34.53	134.42	0.1745	0.0779	24.27
11.77	0.0290	0.0192	-31.52	138.35	0.2183	0.0809	24.28
5.05	0.0252	0.0131	-18.23	140.16	0.2525	0.0879	24.27
0.02	0.0231	0.0059	-10.75	142.63	0.2928	0.1047	24.11
-0.04	0.0233	0.0050	-12.49	145.78	0.3199	0.1292	23.85
-0.02	0.0241	0.0060	-14.29	142.52	0.3447	0.1349	23.64
-0.02	0.0246	0.0064	-14.77	0.22	0.3303	0.0305	24.91
0.02	0.0234	0.0058	-12.38				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00030 (CH 1329)

AZ = 45.35 DEGREES R = 11 FT 0.0 IN. V = 6 FT 8.4 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00030 (CH 1340)

AZ = 45.35 DEGREES R = 11 FT 0.0 IN. V = 6 FT 8.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 31 CHANNELS 1341 1342 1343

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	44.93	9.89	0.0188	0.0025	11.16
5.33	0.0041	0.0019	11.50	19.55	0.0305	0.0041	7.27
12.31	0.0090	0.0040	6.57	29.57	0.0424	0.0057	5.55
16.44	0.0127	0.0051	5.78	39.42	0.0536	0.0074	4.83
20.51	0.0186	0.0059	5.72	49.16	0.0642	0.0088	3.84
20.46	0.0199	0.0061	5.06	54.50	0.0702	0.0097	3.51
20.47	0.0212	0.0062	5.00	59.57	0.0765	0.0102	3.05
27.05	0.0308	0.0064	4.05	64.20	0.0870	0.0106	3.75
34.69	0.0441	0.0070	1.99	69.32	0.1046	0.0110	5.77
34.53	0.0447	0.0071	1.59	74.16	0.0858	0.0135	-1.84
34.53	0.0446	0.0071	1.27	80.16	0.0632	0.0049	-23.60
39.70	0.0513	0.0076	0.82	85.61	0.0680	0.0060	-22.55
45.90	0.0619	0.0080	0.24	90.58	0.0723	0.0069	-21.81
45.65	0.0615	0.0077	-0.05	95.69	0.0767	0.0071	-21.36
45.62	0.0614	0.0075	-0.10	100.92	0.0806	0.0074	-21.17
50.10	0.0670	0.0082	-0.23	103.25	0.0824	0.0073	-21.05
53.47	0.0720	0.0084	-0.55	106.11	0.0852	0.0055	-20.89
53.29	0.0720	0.0084	-0.61	108.31	0.0869	0.0052	-20.85
53.21	0.0719	0.0083	-0.69	111.08	0.0893	0.0053	-20.47
50.49	0.0693	0.0080	-1.00	113.24	0.0905	0.0053	-20.42
46.14	0.0648	0.0073	-1.29	117.83	0.0915	0.0059	-20.23
46.13	0.0643	0.0073	-1.33	120.92	0.0921	0.0060	-20.02
44.97	0.0649	0.0080	-0.41	123.28	0.0920	0.0058	-19.71
38.98	0.0590	0.0070	-0.54	122.97	0.0913	0.0052	-19.99
33.99	0.0538	0.0063	-0.59	125.82	0.0912	0.0044	-20.78
33.96	0.0543	0.0063	-0.91	125.60	0.0913	0.0042	-20.64
26.83	0.0464	0.0051	-1.10	127.84	0.1135	0.0127	-7.95
21.88	0.0407	0.0043	-0.92	130.19	0.1295	0.0135	-2.40
21.90	0.0409	0.0043	-1.24	132.53	0.1334	0.0128	-1.49
16.69	0.0349	0.0035	-1.68	135.33	0.1328	0.0125	-2.25
11.74	0.0289	0.0024	-2.37	134.42	0.0840	-0.0107	-30.24
11.77	0.0284	0.0021	-2.30	138.35	0.1861	0.0122	4.77
5.05	0.0210	0.0006	-3.40	140.16	0.1356	0.0145	-9.23
0.02	0.0153	-0.0008	-4.97	142.63	0.2198	-0.0710	-32.95
-0.04	0.0149	-0.0002	-3.90	145.78	0.5365	-0.2238	-33.66
-0.02	0.0158	0.0006	-2.51	142.52	0.6114	-0.1334	-25.57
-0.02	0.0161	0.0008	-2.67	0.22	0.4489	-0.1881	-31.93
0.02	0.0164	0.0007	-2.29				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00031 (CH 1341)

AZ = 44.95 DEGREES R = 11 FT 0.0 IN. V = 8 FT 10.1 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00031 (CH 1342)

AZ = 44.95 DEGREES R = 11 FT 0.0 IN. V = 8 FT 10.1 IN.

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

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JERRY WARD

SANDIA NATIONAL LABS

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REDUCTION

REINFORCED CONCRETE TEST DATA

ROSETTE 32 CHANNELS 1344 1345 1346

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0002	1.38	9.89	0.0111	0.0049	12.87
5.33	0.0043	0.0020	-5.57	19.55	0.0218	0.0091	19.85
12.31	0.0084	0.0057	4.69	29.57	0.0312	0.0120	17.56
16.44	0.0109	0.0081	12.53	39.42	0.0410	0.0166	20.97
20.51	0.0146	0.0110	22.22	49.16	0.0500	0.0212	23.14
20.46	0.0157	0.0112	20.53	54.50	0.0560	0.0238	23.88
20.47	0.0164	0.0115	20.05	59.57	0.0605	0.0267	25.05
27.05	0.0251	0.0145	29.89	64.20	0.0669	0.0295	25.48
34.69	0.0385	0.0182	30.53	69.32	0.0737	0.0319	25.67
34.53	0.0395	0.0184	29.55	74.16	0.0810	0.0349	24.96
34.53	0.0397	0.0185	29.50	80.16	0.0875	0.0372	25.69
39.70	0.0457	0.0211	30.32	85.61	0.0952	0.0401	26.37
45.90	0.0552	0.0246	31.05	90.58	0.1022	0.0424	26.91
45.65	0.0547	0.0244	30.55	95.69	0.1090	0.0451	27.58
45.62	0.0544	0.0244	30.51	100.92	0.1169	0.0471	28.66
50.10	0.0594	0.0267	31.24	103.25	0.1208	0.0483	29.18
53.47	0.0641	0.0288	31.62	106.11	0.1247	0.0495	30.05
53.29	0.0641	0.0289	31.34	108.31	0.1277	0.0509	30.87
53.21	0.0642	0.0288	31.35	111.08	0.1305	0.0518	32.54
50.49	0.0624	0.0279	30.66	113.24	0.1319	0.0526	33.79
46.14	0.0590	0.0260	29.80	117.83	0.1354	0.0540	35.83
46.13	0.0588	0.0260	30.15	120.92	0.1390	0.0552	37.14
44.97	0.0581	0.0261	28.83	123.28	0.1415	0.0564	37.86
38.98	0.0533	0.0233	27.62	122.97	0.1420	0.0565	38.15
33.99	0.0490	0.0210	26.64	125.82	0.1462	0.0578	39.96
33.96	0.0493	0.0212	26.51	125.60	0.1466	0.0579	40.17
26.83	0.0427	0.0180	24.88	127.84	0.1502	0.0586	41.21
21.88	0.0381	0.0155	23.34	130.19	0.1529	0.0585	42.62
21.90	0.0385	0.0157	23.49	132.53	0.1575	0.0578	44.30
16.69	0.0336	0.0131	21.48	135.33	0.1652	0.0562	-43.69
11.74	0.0284	0.0105	19.11	134.42	0.1672	0.0558	-43.08
11.77	0.0277	0.0104	20.07	138.35	0.1937	0.0535	-38.71
5.05	0.0210	0.0069	15.98	140.16	0.2436	0.0493	-34.34
0.02	0.0155	0.0041	11.51	142.63	0.3453	0.0464	-31.62
-0.04	0.0140	0.0052	12.07	145.78	0.4618	0.0537	-30.11
-0.02	0.0148	0.0057	12.03	142.52	0.5037	0.0660	-27.28
-0.02	0.0154	0.0059	12.63	0.22	0.3569	-0.0637	-18.36
0.02	0.0154	0.0056	13.90				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00032 (CH 1344)

AZ = 45 DEGREES R = 11 FT 0.0 IN. V = 9 FT 9.9 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00032 (CH 1345)
 AZ = 45 DEGREES R = 11 FT 0.0 IN. V = 9 FT 9.9 IN.

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00033 (CH 1347)

AZ = 44.3 DEGREES R = 11 FT 0.0 IN. V = 10 FT 8.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00033 (CH 1348)

AZ = 44.3 DEGREES R = 11 FT 0.0 IN. V = 10 FT 8.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 34 CHANNELS 1360 1361 1362

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0001	-5.39	9.89	0.0062	0.0016	-16.53
5.33	0.0030	0.0003	-27.47	19.55	0.0108	0.0029	-19.40
12.31	0.0060	0.0009	-22.04	29.57	0.0156	0.0043	-20.16
16.44	0.0079	0.0012	-20.84	39.42	0.0205	0.0058	-20.38
20.51	0.0106	0.0016	-19.88	49.16	0.0254	0.0072	-20.45
20.46	0.0120	0.0018	-19.36	54.50	0.0285	0.0080	-20.20
20.47	0.0126	0.0019	-19.48	59.57	0.0312	0.0089	-20.03
27.05	0.0179	0.0026	-17.54	64.20	0.0344	0.0100	-21.01
34.69	0.0248	0.0036	-17.77	69.32	0.0376	0.0109	-21.08
34.53	0.0260	0.0035	-17.73	74.16	0.0407	0.0119	-21.07
34.53	0.0261	0.0035	-17.28	80.16	0.0446	0.0125	-20.07
39.70	0.0297	0.0038	-17.54	85.61	0.0480	0.0136	-19.90
45.90	0.0336	0.0047	-17.93	90.58	0.0499	0.0148	-20.49
45.65	0.0334	0.0047	-17.73	95.69	0.0519	0.0164	-21.40
45.62	0.0334	0.0047	-17.76	100.92	0.0541	0.0180	-21.68
50.10	0.0355	0.0055	-17.91	103.25	0.0553	0.0189	-22.03
53.47	0.0375	0.0063	-18.09	106.11	0.0569	0.0196	-22.17
53.29	0.0374	0.0066	-18.43	108.31	0.0582	0.0204	-22.51
53.21	0.0373	0.0068	-18.32	111.08	0.0594	0.0216	-22.50
50.49	0.0359	0.0069	-18.47	113.24	0.0605	0.0225	-23.00
46.14	0.0339	0.0067	-18.71	117.83	0.0624	0.0246	-24.08
46.13	0.0334	0.0068	-18.91	120.92	0.0638	0.0262	-24.56
44.97	0.0327	0.0073	-18.88	123.28	0.0648	0.0279	-25.62
38.98	0.0299	0.0064	-18.96	122.97	0.0649	0.0282	-25.87
33.99	0.0277	0.0057	-18.89	125.82	0.0662	0.0300	-26.60
33.96	0.0285	0.0060	-18.49	125.60	0.0662	0.0305	-26.98
23.83	0.0249	0.0051	-17.95	127.84	0.0678	0.0314	-27.67
21.88	0.0229	0.0045	-17.99	130.19	0.0696	0.0333	-29.56
21.90	0.0230	0.0044	-17.08	132.53	0.0725	0.0370	-33.61
16.69	0.0202	0.0035	-17.08	135.33	0.0811	0.0412	-35.63
11.74	0.0175	0.0030	-17.13	134.42	0.0819	0.0419	-37.08
11.77	0.0170	0.0027	-16.32	138.35	0.0900	0.0467	-41.94
5.05	0.0134	0.0020	-15.07	140.16	0.0948	0.0496	43.94
0.02	0.0110	0.0014	-13.81	142.63	0.1032	0.0528	37.22
-0.04	0.0093	0.0026	-13.60	145.78	0.1118	0.0556	31.83
-0.02	0.0095	0.0024	-13.93	142.52	0.1126	0.0558	28.39
-0.02	0.0092	0.0020	-11.69	0.22	0.0671	-0.0007	3.49
0.02	0.0083	-0.0008	-6.21				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00034 (CH 1360)
AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 2 FT 8.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00034 (CH 13G1)

AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 2 FT 8.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 35 CHANNELS 1363 1364 1365

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0000	-7.11	9.89	0.0074	0.0042	9.84
5.33	0.0019	0.0013	1.65	19.55	0.0134	0.0074	9.28
12.31	0.0040	0.0026	0.59	29.57	0.0188	0.0110	12.22
16.44	0.0054	0.0032	-3.70	39.42	0.0234	0.0145	11.35
20.51	0.0072	0.0046	-4.01	49.16	0.0275	0.0183	11.31
20.46	0.0077	0.0050	-4.46	54.50	0.0301	0.0207	12.86
20.47	0.0080	0.0051	-8.37	59.57	0.0328	0.0230	13.03
27.05	0.0113	0.0087	-3.97	64.20	0.0359	0.0254	11.53
34.69	0.0160	0.0149	-11.12	69.32	0.0391	0.0278	10.60
34.53	0.0163	0.0162	40.00	74.16	0.0421	0.0303	8.43
34.53	0.0165	0.0163	-10.65	80.16	0.0433	0.0349	12.47
39.70	0.0194	0.0185	-18.90	85.61	0.0468	0.0387	13.41
45.90	0.0240	0.0223	-30.40	90.58	0.0503	0.0415	12.54
45.65	0.0239	0.0224	-28.09	95.69	0.0547	0.0442	10.55
45.62	0.0238	0.0224	-26.22	100.92	0.0586	0.0473	8.72
50.10	0.0262	0.0247	-34.49	103.25	0.0607	0.0488	7.60
53.47	0.0281	0.0269	37.48	106.11	0.0628	0.0507	7.04
53.29	0.0284	0.0273	24.89	108.31	0.0644	0.0521	6.15
53.21	0.0285	0.0274	13.82	111.08	0.0671	0.0541	4.74
50.49	0.0283	0.0267	7.91	113.24	0.0691	0.0553	2.95
46.14	0.0270	0.0252	3.63	117.83	0.0737	0.0584	-0.36
46.13	0.0271	0.0250	0.61	120.92	0.0774	0.0605	-2.75
44.97	0.0295	0.0247	0.35	123.28	0.0809	0.0616	-5.32
38.98	0.0269	0.0224	-1.68	122.97	0.0817	0.0613	-6.64
33.99	0.0247	0.0205	-1.38	125.82	0.0855	0.0633	-8.15
33.96	0.0247	0.0206	-6.09	125.60	0.0869	0.0627	-8.65
26.83	0.0213	0.0178	-9.46	127.84	0.0896	0.0640	-9.46
21.88	0.0189	0.0154	-15.14	130.19	0.0964	0.0667	-10.34
21.90	0.0181	0.0155	-22.56	132.53	0.1066	0.0686	-12.13
16.69	0.0150	0.0129	-31.67	135.33	0.1207	0.0702	-14.42
11.74	0.0123	0.0103	-44.80	134.42	0.1246	0.0683	-14.84
11.77	0.0114	0.0094	32.61	138.35	0.1456	0.0699	-15.77
5.05	0.0088	0.0054	23.50	140.16	0.1600	0.0728	-15.53
0.02	0.0073	0.0022	18.22	142.63	0.1803	0.0777	-14.36
-0.04	0.0092	0.0052	21.96	145.78	0.1976	0.0816	-12.86
-0.02	0.0091	0.0055	27.34	142.52	0.2034	0.0791	-13.05
-0.02	0.0092	0.0056	27.45	0.22	0.0967	0.0278	-25.74
0.02	0.0082	0.0048	26.00				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00035 (CH 1363)
 AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 3 FT 3.3 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00035 (CH 1364)

AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 3 FT 3.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 36 CHANNELS 1366 1367 1368

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0001	9.07	9.89	0.0063	0.0029	-3.34
5.33	0.0022	0.0008	5.42	19.55	0.0118	0.0047	-4.49
12.31	0.0049	0.0019	-2.23	29.57	0.0173	0.0065	-3.13
16.44	0.0064	0.0025	-2.50	39.42	0.0225	0.0086	-3.41
20.51	0.0087	0.0036	-5.04	49.16	0.0274	0.0108	-2.90
20.46	0.0092	0.0040	-5.04	54.50	0.0305	0.0125	-3.59
20.47	0.0093	0.0041	-4.64	59.57	0.0337	0.0138	-3.58
27.05	0.0124	0.0065	-7.11	64.20	0.0376	0.0155	-3.37
34.63	0.0175	0.0101	-9.69	69.32	0.0418	0.0167	-3.42
34.53	0.0178	0.0109	-8.59	74.16	0.0463	0.0183	-3.50
34.53	0.0178	0.0110	-7.53	80.16	0.0490	0.0212	-3.24
39.70	0.0203	0.0124	-7.56	85.61	0.0532	0.0239	-3.69
45.90	0.0253	0.0136	-6.61	90.58	0.0576	0.0263	-4.03
45.65	0.0254	0.0135	-6.88	95.69	0.0626	0.0286	-3.60
45.62	0.0254	0.0134	-6.97	100.92	0.0678	0.0313	-3.51
50.10	0.0283	0.0143	-7.81	103.25	0.0704	0.0328	-3.37
53.47	0.0313	0.0152	-7.19	106.11	0.0732	0.0344	-3.66
53.29	0.0318	0.0151	-7.16	108.31	0.0755	0.0356	-3.83
53.21	0.0322	0.0153	-7.76	111.08	0.0790	0.0374	-3.81
50.49	0.0317	0.0149	-7.71	113.24	0.0819	0.0388	-3.79
46.14	0.0299	0.0140	-6.82	117.83	0.0885	0.0421	-3.88
46.13	0.0303	0.0139	-7.65	120.92	0.0934	0.0446	-3.66
44.97	0.0314	0.0141	-8.25	123.28	0.0978	0.0472	-3.37
38.98	0.0283	0.0127	-7.13	122.97	0.0988	0.0476	-3.42
33.99	0.0259	0.0116	-7.60	125.82	0.1035	0.0512	-3.38
33.96	0.0261	0.0121	-7.83	125.60	0.1046	0.0520	-3.11
26.83	0.0224	0.0103	-7.10	127.84	0.1080	0.0544	-2.89
21.88	0.0198	0.0092	-6.91	130.19	0.1152	0.0602	-2.57
21.90	0.0194	0.0092	-7.41	132.53	0.1256	0.0673	-1.50
16.69	0.0165	0.0078	-6.42	135.33	0.1397	0.0763	-0.58
11.74	0.0133	0.0067	-3.70	134.42	0.1433	0.0773	0.14
11.77	0.0125	0.0063	-2.60	138.35	0.1692	0.0903	2.20
5.05	0.0088	0.0049	-0.12	140.16	0.1987	0.0993	2.82
0.02	0.0058	0.0041	3.70	142.63	0.2496	0.1083	1.81
-0.04	0.0079	0.0054	-12.33	145.78	0.2939	0.1144	0.51
-0.02	0.0083	0.0056	-14.41	142.52	0.3071	0.1139	0.09
-0.02	0.0083	0.0057	-13.29	0.22	0.1959	0.0507	1.92
0.02	0.0076	0.0046	-26.18				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00036 (CH 1366)

AZ = 89.22 DEGREES R = 11 FT 0.0 IN. V = 3 FT 7.9 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN ROSETTE R00036 (CH 1367)

AZ = 89.22 DEGREES R = 11 FT 0.0 IN. V = 3 FT 7.9 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 37 CHANNELS 1369 1380 1381

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0007	0.0000	44.97	9.89	0.0103	0.0019	-1.48
5.33	0.0033	0.0008	3.92	19.55	0.0198	0.0028	-1.47
12.31	0.0071	0.0016	2.07	29.57	0.0291	0.0041	-1.51
16.44	0.0096	0.0021	1.64	39.42	0.0377	0.0059	-1.62
20.51	0.0130	0.0032	-1.20	49.16	0.0460	0.0079	-1.15
20.46	0.0141	0.0037	-1.80	54.50	0.0507	0.0092	-1.92
20.47	0.0147	0.0039	-2.50	59.57	0.0554	0.0104	-1.07
27.05	0.0218	0.0052	-6.28	64.20	0.0609	0.0123	-0.31
34.69	0.0351	0.0076	-3.38	69.32	0.0667	0.0141	0.87
34.53	0.0363	0.0081	-2.68	74.16	0.0727	0.0153	0.70
34.53	0.0366	0.0082	-1.89	80.16	0.0769	0.0175	0.35
39.70	0.0412	0.0088	-2.14	85.61	0.0831	0.0203	0.20
45.90	0.0485	0.0104	-1.52	90.58	0.0895	0.0229	0.42
45.65	0.0483	0.0104	-1.55	95.69	0.0973	0.0258	0.84
45.62	0.0483	0.0103	-1.43	100.92	0.1060	0.0289	1.41
50.10	0.0524	0.0111	-1.45	103.25	0.1103	0.0306	1.66
53.47	0.0566	0.0119	-0.27	106.11	0.1150	0.0325	1.87
53.29	0.0567	0.0121	-0.20	108.31	0.1192	0.0339	2.14
53.21	0.0570	0.0122	-0.09	111.08	0.1256	0.0358	2.29
50.49	0.0559	0.0121	-0.04	113.24	0.1313	0.0373	2.65
46.14	0.0531	0.0116	0.12	117.83	0.1447	0.0410	2.86
46.13	0.0529	0.0115	0.10	120.92	0.1548	0.0440	2.80
44.97	0.0534	0.0128	0.21	123.28	0.1647	0.0467	2.60
38.98	0.0486	0.0119	0.50	122.97	0.1669	0.0472	2.50
33.99	0.0446	0.0113	0.91	125.82	0.1798	0.0514	2.39
33.96	0.0450	0.0116	0.79	125.60	0.1837	0.0523	2.37
26.83	0.0392	0.0103	1.16	127.84	0.1925	0.0552	2.21
21.88	0.0350	0.0096	1.53	130.19	0.2167	0.0612	1.47
21.90	0.0346	0.0093	1.42	132.53	0.2555	0.0686	-0.25
16.69	0.0296	0.0082	2.09	135.33	0.3257	0.0764	-3.04
11.74	0.0248	0.0072	3.95	134.42	0.3486	0.0766	-3.34
11.77	0.0230	0.0064	3.67	138.35	0.5394	0.0819	-3.88
5.05	0.0166	0.0056	5.70	140.16	0.6890	0.0872	-2.80
0.02	0.0118	0.0055	11.07	142.63	0.8627	0.0957	-0.28
-0.04	0.0124	0.0078	8.00	145.78	0.9498	0.1021	0.78
-0.02	0.0131	0.0080	7.39	142.52	0.9698	0.1030	0.84
-0.02	0.0134	0.0082	8.94	0.22	0.7864	0.0389	0.68
0.02	0.0125	0.0073	9.37				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00037 (CH 1369)

AZ = 39.22 DEGREES R = 11 FT 0.0 IN. V = 4 FT 1.6 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00037 (CH 1380)

AZ = 89.22 DEGREES R = 11 FT 0.0 IN. V = 4 FT 1.6 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 38 CHANNELS 1382 1383 1384

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	0.0002	13.61	9.89	0.0103	0.0025	1.24
5.33	0.0038	0.0004	0.33	19.55	0.0202	0.0042	1.18
12.31	0.0081	0.0006	-0.97	29.57	0.0299	0.0060	0.90
16.44	0.0109	0.0011	-1.15	39.42	0.0387	0.0078	0.29
20.51	0.0146	0.0020	-1.95	49.16	0.0473	0.0094	-0.03
20.46	0.0156	0.0025	-1.57	54.50	0.0519	0.0107	-0.14
20.47	0.0161	0.0027	-2.15	59.57	0.0569	0.0117	-0.49
27.05	0.0228	0.0035	-1.23	64.20	0.0628	0.0133	-0.28
34.69	0.0323	0.0051	2.09	69.32	0.0694	0.0143	-0.51
34.53	0.0329	0.0060	2.21	74.16	0.0763	0.0152	-0.77
34.53	0.0330	0.0062	2.71	80.16	0.0813	0.0175	-1.36
39.70	0.0377	0.0070	2.63	85.61	0.0887	0.0198	-1.52
45.90	0.0457	0.0083	1.74	90.58	0.0961	0.0220	-1.62
45.65	0.0453	0.0083	1.29	95.69	0.1052	0.0243	-1.48
45.62	0.0452	0.0080	1.06	100.92	0.1152	0.0267	-1.50
50.10	0.0497	0.0089	0.82	103.25	0.1201	0.0280	-1.54
53.47	0.0540	0.0098	0.43	106.11	0.1259	0.0293	-1.38
53.29	0.0543	0.0100	0.26	108.31	0.1306	0.0304	-1.54
53.21	0.0544	0.0100	0.21	111.08	0.1380	0.0319	-1.58
50.49	0.0531	0.0100	-0.21	113.24	0.1440	0.0330	-1.58
46.14	0.0501	0.0096	-0.13	117.83	0.1599	0.0357	-1.34
46.13	0.0501	0.0094	-0.07	120.92	0.1733	0.0384	-0.98
44.97	0.0503	0.0101	-0.20	123.28	0.1872	0.0409	-0.52
38.98	0.0452	0.0091	-0.06	122.97	0.1905	0.0415	-0.39
33.99	0.0410	0.0083	-0.02	125.82	0.2098	0.0456	-0.03
33.96	0.0417	0.0086	-0.19	125.60	0.2153	0.0464	-0.03
26.83	0.0355	0.0071	-0.53	127.84	0.2287	0.0493	0.14
21.88	0.0314	0.0061	-0.81	130.19	0.2647	0.0557	-0.05
21.90	0.0315	0.0061	-0.91	132.53	0.3225	0.0653	-0.64
16.69	0.0268	0.0049	-1.28	135.33	0.4222	0.0762	-2.15
11.74	0.0221	0.0039	-0.28	134.42	0.4466	0.0774	-2.46
11.77	0.0209	0.0033	-0.45	138.35	0.6444	0.0878	-3.54
5.05	0.0152	0.0023	-0.53	140.16	0.7953	0.0970	-2.93
0.02	0.0113	0.0016	-0.32	142.63	0.9514	0.1083	-2.05
-0.04	0.0112	0.0034	-1.85	145.78	1.0164	0.1194	-1.88
-0.02	0.0118	0.0034	-1.16	142.52	1.0269	0.1225	-2.07
-0.02	0.0120	0.0035	-1.05	0.22	0.8143	0.0640	-2.62
0.02	0.0113	0.0027	-0.52				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00038 (CH 1382)

AZ = 89.22 DEGREES R = 11 FT 0.0 IN. V = 4 FT 6.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00038 (CH 1383)

AZ = 89.22 DEGREES R = 11 FT 0.0 IN. V = 4 FT 6.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 39 CHANNELS 1385 1386 1387

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0003	-38.01	9.89	0.0050	-0.0028	38.65
5.33	-0.0051	-0.0139	-19.22	19.55	0.0217	0.0056	24.56
12.31	-0.0072	-0.0132	-25.30	29.57	0.0359	0.0126	14.02
16.44	-0.0061	-0.0098	-41.31	39.42	0.0497	0.0187	7.90
20.51	-0.0018	-0.0072	19.51	49.16	0.0629	0.0243	4.50
20.46	-0.0005	-0.0062	16.35	54.50	0.0706	0.0278	3.16
20.47	0.0006	-0.0057	14.04	59.57	0.0788	0.0312	2.03
27.05	0.0114	-0.0020	2.19	64.20	0.0878	0.0342	1.63
34.69	0.0271	0.0063	-3.00	69.32	0.0977	0.0370	1.52
34.53	0.0292	0.0086	-3.00	74.16	0.1089	0.0393	0.31
34.53	0.0297	0.0092	-3.26	80.16	0.1225	0.0435	-1.19
39.70	0.0379	0.0133	-3.72	85.61	0.1382	0.0479	-2.92
45.90	0.0492	0.0200	-3.59	90.58	0.1560	0.0523	-4.68
45.65	0.0494	0.0207	-3.56	95.69	0.1781	0.0569	-6.57
45.62	0.0493	0.0209	-3.76	100.92	0.1993	0.0626	-8.02
50.10	0.0559	0.0237	-4.46	103.25	0.2071	0.0658	-8.52
53.47	0.0617	0.0267	-4.77	106.11	0.2145	0.0693	-9.08
53.29	0.0621	0.0272	-4.77	108.31	0.2195	0.0720	-9.49
53.21	0.0620	0.0274	-4.83	111.08	0.2264	0.0756	-10.09
50.49	0.0594	0.0270	-4.27	113.24	0.2311	0.0779	-10.59
46.14	0.0541	0.0255	-3.29	117.83	0.2415	0.0839	-12.15
46.13	0.0538	0.0252	-3.29	120.92	0.2505	0.0882	-13.31
44.97	0.0521	0.0249	-2.71	123.28	0.2596	0.0924	-14.16
38.98	0.0447	0.0226	-1.19	122.97	0.2613	0.0933	-14.33
33.99	0.0379	0.0205	-0.90	125.82	0.2710	0.0981	-14.84
33.96	0.0380	0.0208	-1.49	125.60	0.2741	0.0994	-14.88
26.83	0.0277	0.0175	-0.32	127.84	0.2813	0.1016	-14.81
21.88	0.0201	0.0153	-1.95	130.19	0.2967	0.1059	-14.00
21.90	0.0202	0.0156	-1.78	132.53	0.3198	0.1130	-12.32
16.69	0.0133	0.0120	10.66	135.33	0.3628	0.1219	-11.61
11.74	0.0107	0.0035	5.44	134.42	0.3755	0.1229	-11.87
11.77	0.0097	0.0033	6.94	138.35	0.4444	0.1270	-13.42
5.05	0.0045	-0.0110	17.12	140.16	0.4909	0.1308	-14.26
0.02	0.0088	-0.0141	22.27	142.63	0.5805	0.1308	-15.06
-0.04	0.0067	-0.0123	24.33	145.78	0.6886	0.1302	-15.26
-0.02	0.0070	-0.0126	24.19	142.52	0.7235	0.1285	-15.73
-0.02	0.0072	-0.0126	23.91	0.22	0.5633	0.0322	-15.48
0.02	0.0069	-0.0124	24.29				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00039 (CH 1385)

AZ = 89.87 DEGREES R = 11 FT 0.0 IN. V = 7 FT 1.5 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00039 (CH 1386)

AZ = 89.87 DEGREES R = 11 FT 0.0 IN. V = 7 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 40 CHANNELS 1388 1389 1400

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0001	17.53	9.89	0.0140	0.0061	-15.64
5.33	0.0032	0.0016	-9.98	19.55	0.0263	0.0108	-12.49
12.31	0.0078	0.0038	-8.06	29.57	0.0385	0.0156	-11.18
16.44	0.0110	0.0052	-8.08	39.42	0.0504	0.0201	-10.42
20.51	0.0163	0.0072	-8.00	49.16	0.0619	0.0245	-9.74
20.46	0.0175	0.0080	-9.13	54.50	0.0687	0.0271	-9.62
20.47	0.0184	0.0086	-10.03	59.57	0.0764	0.0300	-9.36
27.05	0.0301	0.0131	-8.77	64.20	0.0854	0.0335	-9.04
34.69	0.0459	0.0192	-7.50	69.32	0.0952	0.0372	-8.46
34.53	0.0478	0.0208	-7.44	74.16	0.1054	0.0406	-8.20
34.53	0.0482	0.0212	-7.15	80.16	0.1156	0.0441	-8.13
39.70	0.0557	0.0242	-7.10	85.61	0.1236	0.0490	-7.28
45.90	0.0669	0.0291	-6.90	90.58	0.1258	0.0543	-6.39
45.65	0.0673	0.0292	-7.11	95.69	0.1275	0.0597	-6.12
45.62	0.0671	0.0293	-7.38	100.92	0.1290	0.0650	-6.14
50.10	0.0738	0.0314	-7.21	103.25	0.1308	0.0674	-6.24
53.47	0.0797	0.0338	-7.45	106.11	0.1323	0.0697	-6.40
53.29	0.0803	0.0341	-7.34	108.31	0.1335	0.0718	-6.54
53.21	0.0803	0.0340	-7.40	111.08	0.1353	0.0744	-6.86
50.49	0.0784	0.0334	-7.39	113.24	0.1371	0.0763	-6.82
46.14	0.0741	0.0319	-7.54	117.83	0.1409	0.0802	-6.73
46.13	0.0738	0.0316	-7.47	120.92	0.1455	0.0822	-6.87
44.97	0.0731	0.0312	-7.32	123.28	0.1505	0.0838	-6.96
38.98	0.0668	0.0294	-7.47	122.97	0.1518	0.0837	-6.86
33.99	0.0613	0.0275	-7.65	125.82	0.1567	0.0848	-7.07
33.96	0.0614	0.0278	-7.88	125.60	0.1585	0.0847	-7.20
26.83	0.0532	0.0250	-8.55	127.84	0.1623	0.0854	-7.23
21.88	0.0474	0.0232	-9.24	130.19	0.1691	0.0854	-7.82
21.90	0.0476	0.0236	-8.98	132.53	0.1772	0.0846	-7.13
16.69	0.0413	0.0215	-9.61	135.33	0.1975	0.0820	-8.06
11.74	0.0350	0.0192	-10.32	134.42	0.2050	0.0810	-8.43
11.77	0.0339	0.0182	-11.24	138.35	0.2460	0.0779	-11.24
5.05	0.0259	0.0151	-13.80	140.16	0.2994	0.0781	-11.59
0.02	0.0173	0.0120	-8.19	142.63	0.5314	0.0899	-5.04
-0.04	0.0160	0.0097	-7.50	145.78	0.8872	0.0985	-3.51
-0.02	0.0161	0.0102	-7.12	142.52	0.9763	0.0976	-4.29
-0.02	0.0161	0.0100	-7.72	0.22	0.7741	-0.0403	-4.03
0.02	0.0157	0.0096	-6.39				

- INNER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00040 (CH 1388)
 AZ = 89.78 DEGREES R = 1' F = 0.0 IN. V = 9 FT 10.3 IN.

- INNER ROSETTE - MINIMUM STRAIN

ROSETTE R00040 (CH 1389)

AZ = 89.78 DEGREES R = 11 FT 0.0 IN. V = 9 FT 10.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 41 CHANNELS 1401 1402 1403

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	0.0000	-38.94	9.89	0.0150	0.0066	8.21
5.33	0.0028	0.0010	-3.14	19.55	0.0266	0.0122	3.87
12.31	0.0064	0.0025	-5.39	29.57	0.0382	0.0178	1.64
16.44	0.0090	0.0036	-3.36	39.42	0.0487	0.0233	-0.03
20.51	0.0134	0.0059	-7.46	49.16	0.0590	0.0286	-1.63
20.46	0.0144	0.0069	-8.46	54.50	0.0652	0.0315	-1.93
20.47	0.0152	0.0078	-9.44	59.57	0.0734	0.0335	-2.26
27.05	0.0267	0.0152	-7.64	64.20	0.0827	0.0358	-1.53
34.69	0.0425	0.0260	-6.47	69.32	0.0933	0.0381	-0.45
34.53	0.0445	0.0276	-5.86	74.16	0.1039	0.0404	0.46
34.53	0.0449	0.0283	-5.44	80.16	0.1133	0.0438	1.80
39.70	0.0524	0.0327	-4.58	85.61	0.1168	0.0487	3.06
45.90	0.0634	0.0391	-2.27	90.58	0.1184	0.0541	4.44
45.65	0.0640	0.0392	-1.88	95.69	0.1195	0.0593	0.29
45.62	0.0640	0.0391	-1.73	100.92	0.1197	0.0655	-3.59
50.10	0.0704	0.0417	-1.81	103.25	0.1215	0.0691	-4.14
53.47	0.0765	0.0444	-1.34	106.11	0.1237	0.0765	-3.62
53.29	0.0773	0.0444	-0.71	108.31	0.1254	0.0826	-3.38
53.21	0.0773	0.0444	-0.78	111.08	0.1288	0.0929	-1.10
50.49	0.0757	0.0433	-0.74	113.24	0.1319	0.1023	3.19
46.14	0.0721	0.0411	-0.42	117.83	0.1429	0.1229	24.44
46.13	0.0720	0.0409	-0.14	120.92	0.1611	0.1322	44.88
44.97	0.0709	0.0395	-1.36	123.28	0.1779	0.1378	-40.39
38.98	0.0657	0.0365	-0.41	122.97	0.1805	0.1393	-40.46
33.99	0.0610	0.0336	0.15	125.82	0.2002	0.1473	-37.96
33.96	0.0612	0.0340	0.46	125.60	0.2052	0.1493	-38.54
26.83	0.0542	0.0303	1.98	127.84	0.2166	0.1554	-38.63
21.88	0.0490	0.0278	3.52	130.19	0.2444	0.1681	-39.55
21.90	0.0493	0.0281	3.92	132.53	0.2827	0.1861	-40.96
16.69	0.0441	0.0253	5.97	135.33	0.3438	0.2157	-43.98
11.74	0.0388	0.0225	8.60	134.42	0.3580	0.2225	44.35
11.77	0.0384	0.0220	8.96	138.35	0.4612	0.2716	39.32
5.05	0.0314	0.0181	13.53	140.16	0.5632	0.3128	33.72
0.02	0.0203	0.0140	40.72	142.63	0.7366	0.3726	27.24
-0.04	0.0194	0.0124	22.05	145.78	0.9128	0.4275	22.29
-0.02	0.0197	0.0121	21.20	142.52	0.9752	0.4403	20.25
-0.02	0.0195	0.0118	19.68	0.22	0.8249	0.3064	23.97
0.02	0.0188	0.0102	14.44				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00041 (CH 1401)

AZ = 89.23 DEGREES R = 11 FT 0.0 IN. V = 11 FT 0.1 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00041 (CH 1402)

AZ = 89.23 DEGREES R = 11 FT 0.0 IN. V = 11 FT 0.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 42 CHANNELS 1404 1405 1406

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0009	0.0000	-18.76	9.89	0.0129	0.0034	-16.33
5.33	0.0072	0.0002	-4.34	19.55	0.0214	0.0091	-15.19
12.31	0.0148	0.0000	-6.17	29.57	0.0282	0.0151	-15.07
16.44	0.0181	0.0033	-3.00	39.42	0.0331	0.0210	-16.45
20.51	0.0219	0.0089	2.60	49.16	0.0368	0.0270	-19.65
20.46	0.0228	0.0131	13.55	54.50	0.0390	0.0302	-23.03
20.47	0.0261	0.0162	36.83	59.57	0.0407	0.0318	-16.77
27.05	0.0317	0.0168	22.18	64.20	0.0455	0.0285	-9.90
34.69	0.0403	0.0135	8.69	69.32	0.0497	0.0237	-10.11
34.53	0.0411	0.0134	6.27	74.16	0.0577	0.0170	-19.02
34.53	0.0414	0.0132	5.63	80.16	0.0674	0.0045	-21.55
39.70	0.0465	0.0062	0.15	85.61	0.0741	0.0020	-21.24
45.90	0.0550	-0.0008	-6.47	90.58	0.0821	0.0004	-22.58
45.65	0.0570	-0.0045	-10.90	95.69	0.0885	-0.0010	-22.99
45.62	0.0570	-0.0040	-10.86	100.92	0.0955	-0.0030	-24.09
50.10	0.0611	-0.0033	-11.97	103.25	0.0985	-0.0026	-24.91
53.47	0.0649	-0.0050	-12.66	106.11	0.1017	-0.0021	-25.62
53.29	0.0659	-0.0057	-13.78	108.31	0.1048	-0.0016	-26.40
53.21	0.0662	-0.0062	-14.03	111.08	0.1091	-0.0015	-28.00
50.49	0.0659	-0.0086	-14.56	113.24	0.1109	0.0019	-29.14
46.14	0.0647	-0.0107	-14.68	117.83	0.1126	0.0092	-30.31
46.13	0.0645	-0.0108	-14.72	120.92	0.1135	0.0128	-30.49
44.97	0.0657	-0.0236	-16.75	123.28	0.1075	0.0737	41.61
38.98	0.0638	-0.0273	-16.80	122.97	0.1078	0.0711	44.13
33.99	0.0623	-0.0322	-16.95	125.82	0.1086	0.0700	-42.72
33.96	0.0581	-0.0039	-14.17	125.60	0.1099	0.0653	-39.81
26.83	0.0547	-0.0079	-14.32	127.84	0.1111	0.0646	-38.65
21.88	0.0518	-0.0101	-14.41	130.19	0.1130	0.0691	-38.57
21.90	0.0522	-0.0099	-14.43	132.53	0.1130	0.0818	-42.05
16.69	0.0488	-0.0144	-14.89	135.33	0.1210	0.1014	15.09
11.74	0.0453	-0.0189	-14.94	134.42	0.1265	0.1039	4.73
11.77	0.0448	-0.0181	-14.16	138.35	0.1874	0.1011	-16.41
5.05	0.0382	-0.0221	-14.42	140.16	0.2909	0.0899	-19.21
0.02	0.0319	-0.0235	-14.32	142.63	0.5505	0.0654	-18.21
-0.04	0.0334	-0.0474	-17.07	145.78	0.8370	0.0407	-17.71
-0.02	0.0323	-0.0409	-16.59	142.52	0.9357	0.0312	-17.60
-0.02	0.0321	-0.0405	-16.73	0.22	0.7162	-0.0226	-19.43
0.02	0.0321	-0.0430	-16.79				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00042 (CH 1404)
 AZ = 91.88 DEGREES R = 11 FT 0.0 IN. V = 5 FT 3.6 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00042 (CH 1405)

AZ = 91.88 DEGREES R = 11 FT 0.0 IN. V = 5 FT 3.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 43 CHANNELS 1407 1408 1409

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0001	45.00	9.89	0.0435	-0.0243	-40.34
5.33	0.0016	0.0006	-15.91	19.55	0.0554	-0.0174	-36.11
12.31	0.0046	0.0013	-7.08	29.57	0.0602	-0.0038	-29.73
16.44	0.0070	0.0017	-4.63	39.42	0.0677	0.0057	-24.31
20.51	0.0107	0.0029	-5.17	49.16	0.0784	0.0109	-22.11
20.46	0.0116	0.0035	-5.74	54.50	0.0844	0.0152	-20.06
20.47	0.0120	0.0035	-4.65	59.57	0.0912	0.0191	-18.19
27.05	0.0201	0.0056	-4.82	64.20	0.0986	0.0239	-16.42
34.69	0.0310	0.0082	-6.37	69.32	0.1061	0.0284	-14.61
34.53	0.0320	0.0068	-9.60	74.16	0.1121	0.0340	-13.26
34.53	0.0320	0.0039	-12.84	80.16	0.1215	0.0393	-11.40
39.70	0.0443	0.0080	-8.18	85.61	0.1302	0.0448	-9.63
45.90	0.0656	0.0205	-2.66	90.58	0.1386	0.0499	-7.75
45.65	0.0669	0.0207	-2.29	95.69	0.1484	0.0557	-5.87
45.62	0.0669	0.0206	-1.93	100.92	0.1588	0.0612	-4.21
50.10	0.0741	0.0229	-2.39	103.25	0.1639	0.0640	-3.42
53.47	0.0817	0.0247	-1.74	106.11	0.1686	0.0668	-2.70
53.29	0.0830	0.0252	-1.33	108.31	0.1723	0.0689	-2.19
53.21	0.0836	0.0254	-1.26	111.08	0.1777	0.0723	-1.24
50.49	0.0827	0.0252	-0.68	113.24	0.1819	0.0745	-0.44
46.14	0.0797	0.0242	-0.37	117.83	0.1908	0.0806	1.16
46.13	0.0795	0.0241	-0.36	120.92	0.1974	0.0853	2.53
44.97	0.0814	0.0260	0.14	123.28	0.2028	0.0898	3.42
38.98	0.0762	0.0240	0.08	122.97	0.2038	0.0910	3.44
33.99	0.0713	0.0221	0.14	125.82	0.2099	0.0964	4.96
33.96	0.0712	0.0221	0.13	125.60	0.2120	0.0974	5.97
26.83	0.0632	0.0193	0.06	127.84	0.2161	0.1006	6.66
21.88	0.0572	0.0173	0.05	130.19	0.2246	0.1075	8.93
21.90	0.0569	0.0173	-0.32	132.53	0.2382	0.1158	12.32
16.69	0.0503	0.0151	-0.68	135.33	0.2553	0.1270	15.90
11.74	0.0429	0.0129	-1.65	134.42	0.2586	0.1284	16.44
11.77	0.0410	0.0118	-2.01	138.35	0.2828	0.1444	18.46
5.05	0.0305	0.0090	-4.80	140.16	0.3079	0.1534	19.33
0.02	0.0218	0.0064	-9.24	142.63	0.3902	0.1494	21.48
-0.04	0.0196	0.0082	1.83	145.78	0.5613	0.1584	14.84
-0.02	0.0201	0.0084	7.20	142.52	0.6060	0.1610	13.30
-0.02	0.0199	0.0081	9.05	0.22	0.5515	-0.1355	-34.84
0.02	0.0189	0.0072	8.89				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00043 (CH 1407)
 AZ = 179.5 DEGREES R = 11 FT 0.0 IN. V = 5 FT 2.1 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00043 (CH 1408)

AZ = 179.5 DEGREES R = 11 FT 0.0 IN. V = 5 FT 2.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 44 CHANNELS 1420 1421 1422

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0002	-0.39	9.89	0.0120	0.0069	8.22
5.33	0.0016	-0.0101	-33.36	19.55	0.0274	0.0097	5.10
12.31	0.0032	-0.0135	-39.06	29.57	0.0424	0.0114	3.11
16.44	0.0052	-0.0092	-37.96	39.42	0.0564	0.0138	2.34
20.51	0.0081	-0.0037	-38.40	49.16	0.0696	0.0168	2.40
20.46	0.0088	-0.0025	-39.93	54.50	0.0767	0.0182	2.55
20.47	0.0092	-0.0018	-39.45	59.57	0.0826	0.0192	3.14
27.05	0.0192	0.0067	-24.18	64.20	0.0878	0.0194	3.50
34.69	0.0341	0.0146	-13.87	69.32	0.0934	0.0194	3.49
34.53	0.0356	0.0156	-14.20	74.16	0.0994	0.0189	3.80
34.53	0.0361	0.0158	-14.43	80.16	0.1063	0.0178	2.36
39.70	0.0432	0.0187	-10.23	85.61	0.1135	0.0187	1.39
45.90	0.0553	0.0175	-9.12	90.58	0.1200	0.0193	0.08
45.65	0.0550	0.0169	-9.18	95.69	0.1262	0.0204	-1.13
45.62	0.0547	0.0167	-9.12	100.92	0.1326	0.0215	-2.69
50.10	0.0609	0.0173	-7.46	103.25	0.1351	0.0217	-3.07
53.47	0.0662	0.0168	-5.02	106.11	0.1390	0.0226	-3.25
53.29	0.0660	0.0165	-4.83	108.31	0.1418	0.0233	-3.72
53.21	0.0660	0.0164	-4.96	111.08	0.1451	0.0240	-3.83
50.49	0.0638	0.0153	-5.54	113.24	0.1475	0.0246	-3.85
46.14	0.0592	0.0134	-6.66	117.83	0.1532	0.0259	-4.68
46.13	0.0591	0.0132	-6.67	120.92	0.1565	0.0266	-4.69
44.97	0.0586	0.0143	-6.75	123.28	0.1587	0.0272	-4.68
38.98	0.0518	0.0115	-8.86	122.97	0.1587	0.0272	-4.73
33.99	0.0454	0.0088	-10.32	125.82	0.1604	0.0276	-4.32
33.96	0.0454	0.0090	-10.12	125.60	0.1602	0.0276	-3.93
26.83	0.0363	0.0051	-12.65	127.84	0.1619	0.0278	-3.49
21.88	0.0299	0.0027	-14.53	130.19	0.1620	0.0280	-2.95
21.90	0.0301	0.0029	-14.92	132.53	0.1611	0.0279	-2.17
16.69	0.0233	0.0004	-17.85	135.33	0.1611	0.0270	-1.48
11.74	0.0165	-0.0020	-21.97	134.42	0.1602	0.0269	-1.40
11.77	0.0156	-0.0025	-22.24	138.35	0.1624	0.0281	0.25
5.05	0.0083	-0.0072	-35.64	140.16	0.1700	0.0288	2.51
0.02	0.0023	-0.0124	-42.87	142.63	0.2101	0.0264	8.14
-0.04	0.0022	-0.0102	43.61	145.78	0.3641	0.0211	7.89
-0.02	0.0023	-0.0102	42.52	142.52	0.4201	0.0196	7.00
-0.02	0.0024	-0.0103	42.21	0.22	0.2641	0.0078	7.45
0.02	0.0030	-0.0105	43.47				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00044 (CH 1420)

AZ = 179.55 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.3 IN.

INNER ROSETTE - MINIMUM STRAIN
 ROSETTE R00044 (CH 142)
 AZ = 179.55 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 45 CHANNELS 1423 1424 1425

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0175	-0.0174	-44.93	9.89	0.0163	0.0070	-9.13
5.33	0.1686	-0.1612	-44.70	19.55	0.0332	0.0136	-8.14
12.31	0.1743	-0.1561	-44.23	29.57	0.0506	0.0206	-7.09
16.44	0.1790	-0.1525	-43.79	39.42	0.0677	0.0275	-6.82
20.51	0.1871	-0.1487	-43.00	49.16	0.0843	0.0343	-6.57
20.46	0.1892	-0.1486	-43.05	54.50	0.0934	0.0386	-6.41
20.47	0.1898	-0.1495	-43.09	59.57	0.1005	0.0442	-8.02
27.05	0.2012	-0.1423	-42.61	64.20	0.1094	0.0462	-5.65
34.69	0.2173	-0.1325	-41.90	69.32	0.1221	0.0487	-2.82
34.53	0.2183	-0.1313	-41.91	74.16	0.1346	0.0544	2.10
34.53	0.2187	-0.1310	-41.91	80.16	0.1625	0.0588	11.10
39.70	0.2262	-0.1256	-41.59	85.61	0.2336	0.0433	21.82
45.90	0.2349	-0.1160	-41.28	90.58	0.3491	0.0158	24.98
45.65	0.2348	-0.1152	-41.31	95.69	0.4957	0.0202	20.70
45.62	0.2348	-0.1152	-41.32	100.92	0.6389	0.0458	14.32
50.10	0.2404	-0.1100	-41.20	103.25	0.7075	0.0583	11.19
53.47	0.2455	-0.1055	-41.22	106.11	0.7857	0.0681	8.26
53.29	0.2455	-0.1050	-41.27	108.31	0.8404	0.0726	6.61
53.21	0.2455	-0.1047	-41.29	111.08	0.9139	0.0766	4.75
50.49	0.2431	-0.1064	-41.47	113.24	0.9591	0.0781	3.87
46.14	0.2381	-0.1098	-41.77	117.83	1.0330	0.0778	3.15
46.13	0.2378	-0.1101	-41.79	120.92	1.0740	0.0766	3.14
44.97	0.2377	-0.1097	-41.86	123.28	1.1212	0.0754	3.42
38.98	0.2303	-0.1152	-42.29	122.97	1.1335	0.0754	3.52
33.99	0.2237	-0.1199	-42.66	125.82	1.2274	0.0735	4.24
33.96	0.2236	-0.1202	-42.66	125.60	1.2561	0.0732	4.34
26.83	0.2137	-0.1273	-43.21	127.84	1.3428	0.0718	4.66
21.88	0.2071	-0.1324	-43.61	130.19	1.5931	0.0673	5.21
21.90	0.2070	-0.1325	-43.62	132.53	1.9912	0.0633	5.09
16.69	0.2000	-0.1376	-44.02	135.33	2.5450	0.0536	4.47
11.74	0.1931	-0.1427	-44.43	134.42	2.6375	0.0505	4.37
11.77	0.1928	-0.1435	-44.44	138.35	3.1821	0.0339	4.02
5.05	0.1840	-0.1501	-44.93	140.16	3.5940	0.0201	3.93
0.02	0.1772	-0.1551	44.71	142.63	4.1629	0.0027	3.84
0.04	0.1774	-0.1558	44.55	145.78	4.7211	-0.0136	3.72
-0.02	0.1779	-0.1565	44.62	142.52	4.8751	-0.0192	3.63
0.02	0.1769	-0.1571	44.65	0.22	4.5987	-0.1544	9.28
0.02	0.1760	-0.1577	44.69				

INNER ROSETTE - MAXIMUM STRAIN

ROSETTE R00045 (CH 1423)

AZ = 221.85 DEGREES R = 11 FT 0.0 IN. V = 8 FT 11.1 IN.

Pressure (psig)-Channel #2

- INNER ROSETTE - MINIMUM STRAIN
 ROSETTE R00045 (CH 1424)

AZ = 221.85 DEGREES R = 11 FT 0.0 IN. V = 8 FT 11.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 46 CHANNELS 1426 1427 1428

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0003	22.41	9.89	0.0051	0.0002	-21.20
5.33	0.0027	-0.0004	-20.81	19.55	0.0053	0.0004	25.72
12.31	0.0048	-0.0002	-21.43	29.57	0.0100	-0.0024	16.39
16.44	0.0057	0.0001	-22.71	39.42	0.0154	-0.0053	14.34
20.51	0.0073	0.0006	-24.98	49.16	0.0215	-0.0074	14.40
20.46	0.0076	0.0007	-24.34	54.50	0.0255	-0.0088	14.69
20.47	0.0075	0.0006	-24.38	59.57	0.0294	-0.0105	15.14
27.05	0.0096	0.0017	-28.08	64.20	0.0333	-0.0138	15.01
34.69	0.0089	0.0016	39.36	69.32	0.0374	-0.0174	15.61
34.53	0.0087	0.0013	36.09	74.16	0.0421	-0.0223	17.00
34.53	0.0088	0.0012	35.48	80.16	0.0486	-0.0268	18.90
39.70	0.0102	-0.0003	26.23	85.61	0.0533	-0.0296	20.17
45.90	0.0146	-0.0011	18.12	90.58	0.0578	-0.0319	21.23
45.65	0.0153	-0.0009	17.32	95.69	0.0616	-0.0341	21.71
45.62	0.0154	-0.0010	17.26	100.92	0.0657	-0.0353	22.40
50.10	0.0183	-0.0018	16.17	103.25	0.0682	-0.0358	22.70
53.47	0.0211	-0.0032	15.63	106.11	0.0698	-0.0369	22.71
53.29	0.0214	-0.0032	16.08	108.31	0.0707	-0.0376	22.63
53.21	0.0214	-0.0035	15.81	111.08	0.0727	-0.0381	22.93
50.49	0.0205	-0.0033	15.39	113.24	0.0744	-0.0394	23.08
46.14	0.0184	-0.0024	14.90	117.83	0.0781	-0.0418	23.35
46.13	0.0181	-0.0024	14.83	120.92	0.0795	-0.0441	23.09
44.97	0.0164	-0.0024	12.30	123.28	0.0809	-0.0465	22.79
38.98	0.0137	-0.0010	11.66	122.97	0.0810	-0.0472	22.60
33.99	0.0114	0.0002	11.50	125.82	0.0829	-0.0495	22.43
33.96	0.0111	0.0001	10.91	125.60	0.0824	-0.0494	22.33
26.83	0.0082	0.0021	11.66	127.84	0.0829	-0.0500	22.34
21.88	0.0065	0.0031	9.98	130.19	0.0829	-0.0513	22.14
21.90	0.0065	0.0031	12.40	132.53	0.0829	-0.0529	21.78
16.69	0.0051	0.0041	24.72	135.33	0.0840	-0.0554	22.16
11.74	0.0047	0.0043	-20.71	134.42	0.0834	-0.0549	22.23
11.77	0.0047	0.0041	-8.36	138.35	0.0851	-0.0561	22.94
5.05	0.0044	0.0037	3.09	140.16	0.0856	-0.0569	23.32
0.02	0.0049	0.0020	-16.77	142.63	0.0845	-0.0651	22.33
-0.04	0.0059	0.0017	-21.05	145.78	0.0856	-0.0548	24.11
-0.02	0.0053	0.0027	-25.40	142.52	0.0826	-0.0510	24.27
-0.02	0.0048	0.0027	-27.50	0.22	0.0045	-0.0075	13.35
0.02	0.0035	0.0020	-18.22				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00046 (CH 1426)

AZ = 228.23 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.4 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00046 (CH 1427)

AZ = 228.23 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 47 CHANNELS 1429 1440 1441

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0002	29.11	9.89	0.0111	0.0026	7.31
5.33	0.0025	0.0010	14.48	19.55	0.0220	0.0042	7.40
12.31	0.0058	0.0014	13.88	29.57	0.0330	0.0060	7.18
16.44	0.0085	0.0020	11.86	39.42	0.0433	0.0082	7.28
20.51	0.0127	0.0027	12.72	49.16	0.0530	0.0104	7.00
20.46	0.0136	0.0035	12.95	54.50	0.0590	0.0115	7.06
20.47	0.0140	0.0036	13.33	59.57	0.0746	0.0134	2.10
27.05	0.0219	0.0055	13.34	64.20	0.0927	0.0142	-1.78
34.69	0.0341	0.0083	11.74	69.32	0.1072	0.0142	-2.99
34.53	0.0358	0.0093	11.53	74.16	0.1222	0.0141	-4.68
34.53	0.0361	0.0094	11.80	80.16	0.1460	0.0135	-5.74
39.70	0.0424	0.0107	11.00	85.61	0.1659	0.0135	-5.59
45.90	0.0537	0.0133	8.41	90.58	0.1735	0.0144	-4.74
45.65	0.0555	0.0137	8.11	95.69	0.1856	0.0157	-3.37
45.62	0.0564	0.0138	7.61	100.92	0.2068	0.0170	-2.65
50.10	0.0643	0.0148	6.04	103.25	0.2119	0.0178	-2.11
53.47	0.0736	0.0159	4.17	106.11	0.2264	0.0191	-1.50
53.29	0.0755	0.0161	3.81	108.31	0.2336	0.0207	-0.85
53.21	0.0761	0.0161	3.75	111.08	0.2478	0.0234	-0.58
50.49	0.0750	0.0161	3.68	113.24	0.2567	0.0255	-0.53
46.14	0.0719	0.0156	3.54	117.83	0.2814	0.0307	-0.59
46.13	0.0718	0.0154	3.65	120.92	0.3017	0.0351	-0.25
44.97	0.0722	0.0159	2.78	123.28	0.3154	0.0398	0.01
38.98	0.0676	0.0149	2.52	122.97	0.3187	0.0405	0.00
33.99	0.0633	0.0141	2.23	125.82	0.3288	0.0437	0.69
33.96	0.0633	0.0143	2.11	125.60	0.3325	0.0440	0.59
26.83	0.0566	0.0130	1.51	127.84	0.3462	0.0463	0.43
21.88	0.0518	0.0120	0.89	130.19	0.3780	0.0508	0.83
21.90	0.0517	0.0121	0.96	132.53	0.4095	0.0557	0.61
16.69	0.0465	0.0112	0.22	135.33	0.4403	0.0641	1.95
11.74	0.0415	0.0104	-0.76	134.42	0.4442	0.0646	2.34
11.77	0.0410	0.0100	-1.13	138.35	0.4664	0.0731	3.81
5.05	0.0341	0.0087	-3.15	140.16	0.5027	0.0782	4.20
0.02	0.0289	0.0079	-5.44	142.63	0.5721	0.0820	3.75
-0.04	0.0328	0.0081	-10.24	145.78	0.6337	0.0867	3.94
-0.02	0.0378	0.0073	-12.68	142.52	0.6474	0.0857	3.82
-0.02	0.0385	0.0065	-13.27	0.22	0.4469	0.0164	0.96
0.02	0.0366	0.0054	-12.64				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00047 (CH 1429)
AZ = 228.33 DEGREES R = 11 FT 0.0 IN. V = 5 FT 3.6 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00047 (CH 1440)
 AZ = 228.33 DEGREES R = 11 FT 0.0 IN. V = 5 FT 3.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 48 CHANNELS 1442 1443 1444

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0007	0.0000	30.92	9.89	0.0126	0.0069	-41.69
5.33	0.0029	0.0014	28.13	19.55	0.0253	0.0136	-40.76
12.31	0.0068	0.0031	26.21	29.57	0.0388	0.0201	-39.25
16.44	0.0099	0.0042	25.47	39.42	0.0506	0.0265	-39.39
20.51	0.0154	0.0064	20.56	49.16	0.0606	0.0327	-40.16
20.46	0.0165	0.0071	20.68	54.50	0.0671	0.0362	-40.66
20.47	0.0172	0.0073	21.47	59.57	0.0722	0.0393	-39.14
27.05	0.0252	0.0130	19.45	64.20	0.0786	0.0438	-40.11
34.69	0.0371	0.0218	25.60	69.32	0.0846	0.0482	-40.01
34.53	0.0380	0.0227	26.72	74.16	0.0919	0.0529	-42.00
34.53	0.0380	0.0231	27.07	80.16	0.0994	0.0628	40.52
39.70	0.0427	0.0266	29.27	85.61	0.1048	0.0749	40.25
45.90	0.0510	0.0360	43.57	90.58	0.1471	0.0833	-22.82
45.65	0.0518	0.0373	-43.97	95.69	0.2213	0.0814	-18.43
45.62	0.0522	0.0374	-43.02	100.92	0.3031	0.0773	-16.62
50.10	0.0579	0.0408	-41.78	103.25	0.3315	0.0768	-15.93
53.47	0.0652	0.0440	-43.04	106.11	0.3590	0.0756	-15.43
53.29	0.0667	0.0443	-43.09	108.31	0.3794	0.0753	-15.08
53.21	0.0668	0.0444	-42.87	111.08	0.4074	0.0745	-14.38
50.49	0.0656	0.0437	-42.16	113.24	0.4276	0.0742	-13.90
46.14	0.0631	0.0415	-41.22	117.83	0.4628	0.0743	-12.88
46.13	0.0628	0.0412	-41.23	120.92	0.4865	0.0741	-12.22
44.97	0.0644	0.0398	-40.54	123.28	0.5039	0.0737	-11.85
38.98	0.0603	0.0365	-39.41	122.97	0.5091	0.0733	-11.73
33.99	0.0561	0.0335	-38.58	125.82	0.5221	0.0724	-11.37
33.96	0.0562	0.0331	-38.90	125.60	0.5286	0.0703	-11.75
26.83	0.0494	0.0286	-38.12	127.84	0.5339	0.0701	-11.66
21.88	0.0443	0.0253	-37.18	130.19	0.5423	0.0689	-11.43
21.90	0.0439	0.0253	-37.30	132.53	0.5571	0.0677	-11.27
16.69	0.0383	0.0220	-36.31	135.33	0.5798	0.0672	-11.08
11.74	0.0324	0.0187	-35.54	134.42	0.5854	0.0664	-11.11
11.77	0.0311	0.0187	-34.78	138.35	0.6115	0.0666	-11.03
5.05	0.0228	0.0141	-32.64	140.16	0.6349	0.0664	-10.85
0.02	0.0163	0.0106	-28.89	142.63	0.6528	0.0684	-10.88
-0.04	0.0154	0.0109	-24.89	145.78	0.6628	0.0731	-10.73
-0.02	0.0155	0.0107	-25.73	142.52	0.6647	0.0708	-10.76
-0.02	0.0146	0.0102	-26.32	0.22	0.5085	-0.0481	-5.41
0.02	0.0138	0.0091	-32.74				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00048 (CH 1442)
AZ = 228.47 DEGREES R = 11 FT 0.0 IN. V = 7 FT 8.3 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00048 (CH 1443)
 AZ = 228.47 DEGREES R = 11 FT 0.0 IN. V = 7 FT 8.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 49 CHANNELS 1445 1446 1447

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0003	-15.18	9.89	0.0104	0.0041	-1.64
5.33	0.0024	0.0011	2.01	19.55	0.0200	0.0074	-3.26
12.31	0.0061	0.0026	-0.01	29.57	0.0298	0.0104	-4.41
16.44	0.0090	0.0035	-2.66	39.42	0.0388	0.0132	-4.38
20.51	0.0133	0.0046	-5.05	49.16	0.0479	0.0158	-4.92
20.46	0.0140	0.0047	-4.37	54.50	0.0531	0.0173	-5.26
20.47	0.0143	0.0046	-3.23	59.57	0.0576	0.0186	-4.97
27.05	0.0222	0.0064	-4.88	64.20	0.0623	0.0198	-5.05
34.69	0.0324	0.0093	-5.52	69.32	0.0671	0.0209	-6.02
34.53	0.0335	0.0096	-5.63	74.16	0.0714	0.0219	-6.97
34.53	0.0336	0.0099	-5.61	80.16	0.0756	0.0237	-7.44
39.70	0.0392	0.0114	-5.37	85.61	0.0792	0.0249	-8.09
45.90	0.0471	0.0138	-5.13	90.58	0.0823	0.0259	-8.67
45.65	0.0477	0.0140	-5.07	95.69	0.0851	0.0268	-9.24
45.62	0.0477	0.0141	-5.16	100.92	0.0879	0.0274	-9.97
50.10	0.0520	0.0153	-5.12	103.25	0.0888	0.0277	-10.23
53.47	0.0560	0.0164	-5.04	106.11	0.0901	0.0280	-10.53
53.29	0.0563	0.0166	-5.09	108.31	0.0909	0.0282	-10.72
53.21	0.0565	0.0168	-5.51	111.08	0.0918	0.0284	-11.17
50.49	0.0553	0.0162	-5.38	113.24	0.0923	0.0286	-11.35
46.14	0.0520	0.0154	-5.19	117.83	0.0925	0.0288	-12.25
46.13	0.0519	0.0154	-5.46	120.92	0.0928	0.0289	-13.00
44.97	0.0514	0.0154	-5.93	123.28	0.0928	0.0292	-13.44
38.98	0.0468	0.0138	-5.61	122.97	0.0923	0.0293	-13.43
33.99	0.0425	0.0124	-5.22	125.82	0.0921	0.0295	-13.90
33.96	0.0425	0.0123	-5.06	125.60	0.0913	0.0294	-13.94
26.83	0.0361	0.0105	-4.86	127.84	0.0922	0.0295	-14.02
21.88	0.0315	0.0089	-4.28	130.19	0.0923	0.0299	-14.63
21.90	0.0315	0.0089	-4.44	132.53	0.0937	0.0309	-14.34
16.69	0.0267	0.0073	-3.32	135.33	0.0974	0.0316	-14.04
11.74	0.0220	0.0058	-2.76	134.42	0.0980	0.0309	-13.82
11.77	0.0214	0.0056	-2.59	138.35	0.1046	0.0314	-13.25
5.05	0.0153	0.0034	-2.61	140.16	0.1095	0.0312	-12.95
0.02	0.0106	0.0018	-0.35	142.63	0.1153	0.0311	-12.80
-0.04	0.0107	0.0028	-4.67	145.78	0.1223	0.0309	-12.72
-0.02	0.0107	0.0024	-4.40	142.52	0.1204	0.0296	-12.67
-0.02	0.0100	0.0020	-4.30	0.22	0.0035	-0.0194	-32.41
0.02	0.0091	0.0009	-1.90				

LINE ROSETTE - MAXIMUM STRAIN

ROSETTE = R00049 (CH 445)

ΔZ = 223.5 DEGREES R = 1.1 FT 0.0 IN. V = 8 FT 10.5 IN.

Pressure (psig)-Channel =2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE RC0049 (CH 1445)
 AZ = 228.3 DEGREES R = 1; F = 0.0 IN. V = 8 FT 10.5 IN.

Pressure (psig)-Channel #2

O = HPT
 + = SIT

REINFORCED CONCRETE TEST DATA

ROSETTE 50 CHANNELS 1448 1449 1460

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	-33.26	9.89	0.0147	0.0079	11.44
5.33	0.0045	0.0014	-0.44	19.55	0.0281	0.0154	13.02
12.31	0.0107	0.0036	0.87	29.57	0.0397	0.0238	12.91
16.44	0.0146	0.0057	0.14	39.42	0.0509	0.0324	14.23
20.51	0.0205	0.0095	-1.68	49.16	0.0608	0.0412	15.68
20.46	0.0219	0.0104	-0.59	54.50	0.0666	0.0462	16.12
20.47	0.0225	0.0107	0.03	59.57	0.0737	0.0498	15.71
27.05	0.0337	0.0183	-0.19	64.20	0.0823	0.0522	14.66
34.69	0.0507	0.0277	8.85	69.32	0.0917	0.0550	14.22
34.53	0.0529	0.0281	9.16	74.16	0.1019	0.0576	14.52
34.53	0.0534	0.0282	9.09	80.16	0.1145	0.0599	13.66
39.70	0.0615	0.0320	10.41	85.61	0.1274	0.0628	13.66
45.90	0.0743	0.0364	11.83	90.58	0.1394	0.0657	13.84
45.65	0.0758	0.0361	11.96	95.69	0.1529	0.0687	14.58
45.62	0.0762	0.0359	12.12	100.92	0.1665	0.0726	15.61
50.10	0.0829	0.0390	12.57	103.25	0.1733	0.0741	16.28
53.47	0.0895	0.0411	12.57	106.11	0.1800	0.0763	16.96
53.29	0.0907	0.0408	12.52	108.31	0.1849	0.0781	17.59
53.21	0.0911	0.0406	12.66	111.08	0.1916	0.0802	18.44
50.49	0.0902	0.0387	12.52	113.24	0.1962	0.0818	19.10
46.14	0.0873	0.0354	12.36	117.63	0.2046	0.0845	21.03
46.13	0.0870	0.0352	12.31	120.92	0.2095	0.0855	22.71
44.97	0.0879	0.0342	12.52	123.28	0.2142	0.0861	24.20
38.98	0.0831	0.0293	12.36	122.97	0.2150	0.0861	24.35
33.99	0.0780	0.0250	12.01	125.82	0.2207	0.0875	26.60
33.96	0.0779	0.0251	12.01	125.60	0.2215	0.0878	27.05
26.83	0.0693	0.0193	11.50	127.84	0.2265	0.0892	28.72
21.88	0.0632	0.0151	10.95	130.19	0.2361	0.0947	32.38
21.90	0.0629	0.0151	10.82	132.53	0.2528	0.1020	36.38
16.69	0.0564	0.0112	10.35	135.33	0.2758	0.1111	39.82
11.74	0.0498	0.0074	10.06	134.42	0.2800	0.1118	40.30
11.77	0.0489	0.0071	9.92	138.35	0.3095	0.1173	42.70
5.05	0.0402	0.0024	9.74	140.16	0.3308	0.1223	43.52
0.02	0.0333	-0.0009	9.78	142.63	0.3658	0.1295	43.13
-0.04	0.0340	-0.0005	10.33	145.76	0.4022	0.1360	42.10
-0.02	0.0334	-0.0008	9.97	142.52	0.4054	0.1339	41.38
-0.02	0.0317	-0.0012	9.70	0.22	0.2087	0.0238	42.18
0.02	0.0302	-0.0015	9.59				

- INNER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00050 (CH 1448)
 AZ = 228.6 DEGREES R = 11 FT 0.0 IN. V = 10 FT 0.2 IN.

INNER ROSETTE - MINIMUM STRAIN

ROSETTE R00050 (CH 1449)

AZ = 228.6 DEGREES R = 11 FT 0.0 IN. V = 10 FT 0.2 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 51 CHANNELS 1461 1462 1463

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0006	-43.30	9.89	0.0074	-0.0016	25.46
5.33	0.0020	-0.0015	2.44	19.55	0.0140	-0.0005	21.28
12.31	0.0056	-0.0007	3.66	29.57	0.0210	0.0004	19.49
16.44	0.0081	-0.0004	5.55	39.42	0.0279	0.0013	17.28
20.51	0.0114	0.0002	6.12	49.16	0.0349	0.0021	15.90
20.46	0.0116	0.0006	5.47	54.50	0.0392	0.0028	15.33
20.47	0.0116	0.0007	3.63	59.57	0.0436	0.0034	14.74
27.05	0.0161	0.0020	6.95	64.20	0.0492	0.0042	14.44
34.69	0.0226	0.0042	11.66	69.32	0.0552	0.0047	14.15
34.53	0.0228	0.0044	12.72	74.16	0.0605	0.0049	14.29
34.53	0.0228	0.0045	12.48	80.16	0.0667	0.0036	13.22
39.70	0.0269	0.0053	12.73	85.61	0.0749	0.0003	13.33
45.90	0.0328	0.0067	14.01	90.58	0.0824	-0.0026	13.70
45.65	0.0330	0.0069	13.94	95.69	0.0898	-0.0051	13.87
45.62	0.0329	0.0069	14.26	100.92	0.0968	-0.0070	14.63
50.10	0.0367	0.0076	13.88	103.25	0.0989	-0.0065	15.04
53.47	0.0401	0.0082	14.04	106.11	0.1020	-0.0068	15.40
53.29	0.0403	0.0083	14.09	108.31	0.1048	-0.0074	15.92
53.21	0.0404	0.0084	14.13	111.08	0.1104	-0.0076	16.04
50.49	0.0388	0.0087	14.97	113.24	0.1143	-0.0079	16.43
46.14	0.0360	0.0089	15.76	117.83	0.1242	-0.0084	16.94
46.13	0.0359	0.0088	15.68	120.92	0.1332	-0.0077	17.25
44.97	0.0369	0.0092	17.59	123.28	0.1432	-0.0068	17.21
38.98	0.0331	0.0090	19.76	122.97	0.1478	-0.0068	17.23
33.99	0.0302	0.0087	21.46	125.82	0.1767	-0.0061	16.56
33.96	0.0299	0.0088	21.39	125.60	0.1835	-0.0065	16.55
26.83	0.0255	0.0081	23.87	127.84	0.2088	-0.0080	16.13
21.88	0.0225	0.0077	26.12	130.19	0.2646	-0.0094	14.89
21.90	0.0223	0.0074	26.20	132.53	0.3594	-0.0082	10.91
16.69	0.0192	0.0070	28.98	135.33	0.4914	-0.0058	7.38
11.74	0.0162	0.0070	31.62	134.42	0.5128	-0.0057	7.02
11.77	0.0157	0.0065	30.99	138.35	0.6829	-0.0018	4.06
5.05	0.0121	0.0073	35.25	140.16	0.8397	0.0017	2.03
0.02	0.0100	0.0080	-3.52	142.63	0.9825	0.0058	1.13
-0.04	0.0106	0.0083	4.90	145.78	1.0822	0.0077	1.47
-0.02	0.0106	0.0074	-23.17	142.52	1.1085	0.0076	1.74
-0.02	0.0089	0.0065	-20.27	0.22	0.9256	-0.0062	0.86
0.02	0.0071	0.0058	-11.05				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00051 (CH 1461)

AZ = 269.62 DEGREES R = 11 FT 0.0 IN. V = 5 FT 2.1 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00051 (CH 1462)

AZ = 269.62 DEGREES R = 11 FT 0.0 IN. V = 5 FT 2.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 52 CHANNELS 1464 1465 1466

STRUCTURAL INTEGRITY TEST					HIGH PRESSURE TEST				
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees		Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	
-0.05	0.0001	-0.0002	-0.45		9.89	0.0108	-0.0022	-42.01	
5.33	0.0030	0.0004	-7.78		19.55	0.0121	-0.0008	22.96	
12.31	0.0107	-0.0043	-38.94		29.57	0.0197	-0.0008	8.22	
16.44	0.0126	-0.0033	-44.28		39.42	0.0292	-0.0008	3.68	
20.51	0.0150	-0.0035	39.10		49.16	0.0392	-0.0001	1.87	
20.46	0.0153	-0.0036	39.04		54.50	0.0446	0.0005	1.17	
20.47	0.0154	-0.0036	39.05		59.57	0.0491	0.0012	0.80	
27.05	0.0201	-0.0031	29.34		64.20	0.0526	0.0024	1.28	
34.69	0.0262	-0.0014	20.91		69.32	0.0571	0.0038	1.76	
34.53	0.0261	-0.0015	21.66		74.16	0.0617	0.0054	2.14	
34.53	0.0260	-0.0014	21.46		80.16	0.0666	0.0067	3.03	
39.70	0.0293	-0.0010	17.35		85.61	0.0725	0.0077	3.52	
45.90	0.0337	-0.0003	13.36		90.58	0.0780	0.0089	4.60	
45.65	0.0331	-0.0003	14.08		95.69	0.0829	0.0111	6.46	
45.62	0.0328	-0.0002	14.25		100.92	0.0887	0.0139	9.24	
50.10	0.0361	-0.0001	11.84		103.25	0.0916	0.0151	10.87	
53.47	0.0387	0.0004	10.67		106.11	0.0968	0.0155	14.66	
53.29	0.0383	0.0004	10.91		108.31	0.1035	0.0146	17.82	
53.21	0.0381	0.0004	11.08		111.08	0.1236	0.0073	23.26	
50.49	0.0355	0.0000	11.95		113.24	0.1522	-0.0009	25.43	
46.14	0.0310	-0.0008	14.21		117.83	0.2425	-0.0206	26.06	
46.13	0.0311	-0.0008	14.29		120.92	0.3023	-0.0087	21.04	
44.97	0.0304	-0.0007	15.00		123.28	0.3852	0.0094	14.30	
38.98	0.0245	-0.0022	18.82		122.97	0.4073	0.0124	13.09	
33.99	0.0204	-0.0033	22.78		125.82	0.5447	0.0281	5.49	
33.96	0.0204	-0.0031	22.50		125.60	0.5664	0.0284	4.82	
26.83	0.0156	-0.0052	31.04		127.84	0.6419	0.0306	2.09	
21.88	0.0137	-0.0068	37.71		130.19	0.7596	0.0318	-0.61	
21.90	0.0137	-0.0066	37.34		132.53	0.8585	0.0329	-1.25	
16.69	0.0127	-0.0088	44.26		135.33	0.9448	0.0356	-0.98	
11.74	0.0130	-0.0102	-39.72		134.42	0.9564	0.0340	-0.74	
11.77	0.0129	-0.0100	-40.02		138.35	1.0349	0.0325	-0.05	
5.05	0.0111	-0.0113	-37.79		140.16	1.0922	0.0337	0.40	
0.02	0.0050	-0.0081	-32.87		142.63	1.1827	0.0335	-0.92	
-0.04	0.0055	-0.0083	-33.77		145.78	1.2717	0.0333	-1.75	
-0.02	0.0051	-0.0083	-34.49		142.52	1.2837	0.0309	-1.73	
-0.02	0.0042	-0.0078	-34.02		0.22	1.0777	0.0127	-3.16	
0.02	0.0032	-0.0075	-33.50						

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00052 (CH 1464)

AZ = 269.63 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.6 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00052 (CH 1465)

AZ = 269.63 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 53 CHANNELS 1467 1468 1469

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	-0.0003	-24.71	9.89	0.0133	0.0080	12.79
5.33	0.0028	0.0012	15.34	19.55	0.0265	0.0153	9.34
12.31	0.0071	0.0037	14.48	29.57	0.0395	0.0224	9.19
16.44	0.0105	0.0055	15.20	39.42	0.0520	0.0289	8.58
20.51	0.0167	0.0087	11.28	49.16	0.0640	0.0352	8.30
20.46	0.0180	0.0094	11.52	54.50	0.0710	0.0389	8.09
20.47	0.0184	0.0095	11.75	59.57	0.0788	0.0430	8.05
27.05	0.0316	0.0158	8.30	64.20	0.0877	0.0477	7.99
34.69	0.0476	0.0252	7.21	69.32	0.0981	0.0527	8.46
34.53	0.0483	0.0258	8.36	74.16	0.1091	0.0583	8.95
34.53	0.0484	0.0256	8.54	80.16	0.1241	0.0639	9.06
39.70	0.0559	0.0303	8.19	85.61	0.1404	0.0706	9.63
45.90	0.0668	0.0371	8.21	90.58	0.1576	0.0772	9.87
45.65	0.0671	0.0373	8.47	95.69	0.1773	0.0850	10.21
45.62	0.0671	0.0372	8.69	100.92	0.1997	0.0937	10.35
50.10	0.0736	0.0410	8.51	103.25	0.2106	0.0980	10.57
53.47	0.0797	0.0446	8.09	106.11	0.2237	0.1025	10.62
53.29	0.0801	0.0449	8.01	108.31	0.2345	0.1061	10.67
53.21	0.0801	0.0448	8.50	111.08	0.2518	0.1112	10.81
50.49	0.0780	0.0440	8.24	113.24	0.2664	0.1153	10.82
46.14	0.0736	0.0419	8.54	117.83	0.3037	0.1250	10.68
46.13	0.0734	0.0417	8.46	120.92	0.3322	0.1318	10.54
44.97	0.0729	0.0434	8.85	123.28	0.3628	0.1389	10.58
38.98	0.0662	0.0398	9.64	122.97	0.3722	0.1412	10.61
33.99	0.0601	0.0367	9.99	125.82	0.4220	0.1485	10.51
33.96	0.0601	0.0366	10.03	125.60	0.4357	0.1509	10.43
26.83	0.0509	0.0319	11.03	127.84	0.4617	0.1557	10.29
21.88	0.0444	0.0283	11.95	130.19	0.5169	0.1640	10.06
21.90	0.0443	0.0282	12.10	132.53	0.5969	0.1731	10.27
16.69	0.0375	0.0245	13.84	135.33	0.7025	0.1821	10.76
11.74	0.0307	0.0209	16.04	134.42	0.7177	0.1827	10.84
11.77	0.0303	0.0204	15.56	138.35	0.8354	0.1914	10.86
5.05	0.0215	0.0156	20.87	140.16	0.9202	0.1978	10.52
0.02	0.0156	0.0112	18.32	142.63	1.0616	0.2090	9.67
-0.04	0.0162	0.0123	17.75	145.78	1.1981	0.2223	8.83
-0.02	0.0158	0.0120	18.08	142.52	1.2276	0.2220	8.65
-0.02	0.0147	0.0111	17.83	0.22	0.7739	0.1304	3.50
0.02	0.0139	0.0104	16.66				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00053 (CH 1467)

AZ = 269.45 DEGREES R = 11 FT 0.0 IN. V = 9 FT 11.7 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00053 (CH 1468)

AZ = 269.45 DEGREES R = 11 FT 0.0 IN. V = 9 FT 11.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 54 CHANNELS 1480 1481 1482

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
0.05	0.0003	0.0000	33.28	9.89	0.0100	0.0008	-0.73
5.33	0.0021	0.0003	1.70	19.55	0.0196	0.0010	0.52
12.31	0.0046	0.0003	-0.55	29.57	0.0291	0.0013	0.94
16.44	0.0064	-0.0002	1.47	39.42	0.0380	0.0019	1.27
20.51	0.0103	0.0006	-0.79	49.16	0.0464	0.0025	1.35
20.46	0.0113	0.0009	-1.63	54.50	0.0513	0.0030	1.42
20.47	0.0116	0.0011	-1.95	59.57	0.0556	0.0036	1.74
27.05	0.0217	0.0013	0.78	64.20	0.0580	0.0042	-0.85
34.69	0.0338	0.0026	-0.23	69.32	0.0618	0.0060	0.99
34.53	0.0347	0.0033	0.24	74.16	0.0635	0.0074	0.71
34.53	0.0349	0.0033	0.35	80.16	0.0660	0.0088	1.99
39.70	0.0401	0.0036	0.60	85.61	0.0686	0.0103	1.09
45.90	0.0476	0.0048	0.58	90.58	0.0702	0.0127	0.19
45.65	0.0478	0.0051	0.98	95.69	0.0719	0.0155	0.07
45.62	0.0478	0.0052	1.09	100.92	0.0730	0.0182	0.54
50.10	0.0510	0.0059	1.61	103.25	0.0740	0.0199	-0.41
53.47	0.0534	0.0068	2.19	106.11	0.0748	0.0215	-0.06
53.29	0.0535	0.0070	2.64	108.31	0.0755	0.0228	0.12
53.21	0.0534	0.0071	2.78	111.08	0.0778	0.0249	0.77
50.49	0.0523	0.0072	2.61	113.24	0.0814	0.0263	1.60
46.14	0.0495	0.0073	2.64	117.83	0.0868	0.0305	4.43
46.13	0.0494	0.0072	2.95	120.92	0.0912	0.0335	5.97
44.97	0.0505	0.0084	2.55	123.28	0.0962	0.0361	7.51
38.98	0.0455	0.0077	2.09	122.97	0.0966	0.0373	7.75
33.99	0.0411	0.0073	1.97	125.82	0.0999	0.0408	9.59
33.96	0.0409	0.0074	1.72	125.60	0.1019	0.0417	9.70
26.83	0.0343	0.0067	1.12	127.84	0.1037	0.0436	10.18
21.88	0.0296	0.0064	1.03	130.19	0.1069	0.0464	13.20
21.90	0.0294	0.0062	1.29	132.53	0.1105	0.0519	15.91
16.69	0.0244	0.0059	1.29	135.33	0.1195	0.0579	19.84
11.74	0.0195	0.0056	2.14	134.42	0.1217	0.0584	19.96
11.77	0.0189	0.0053	2.44	138.35	0.1424	0.0648	21.17
5.05	0.0124	0.0050	3.98	140.16	0.1590	0.0676	20.83
0.02	0.0076	0.0048	12.44	142.63	0.1801	0.0738	19.93
0.04	0.0094	0.0068	27.10	145.78	0.1949	0.0791	18.11
0.02	0.0095	0.0069	9.45	142.52	0.2002	0.0772	17.68
0.02	0.0084	0.0058	12.93	0.22	0.0561	0.0178	15.18
0.02	0.0060	0.0041	-0.32				

INNER ROSETTE - MAXIMUM STRAIN

ROSETTE RC0054 (CH 1480)

AZ = 3.5 DEGREES R = 11.5" 0.0 IN. V = 5 FT 2.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00054 (CH 1481)
 AZ = 3.5 DEGREES R = 11 FT 0.0 IN. V = 5 FT 2.2 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 55 CHANNELS 1483 1484 1485

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0002	-29.67	9.89	0.0716	0.0220	3.81
5.33	0.0363	0.0085	-1.50	19.55	0.0939	0.0267	2.53
12.31	0.0592	0.0111	-0.71	29.57	0.1124	0.0295	1.26
16.44	0.0638	0.0115	-0.85	39.42	0.1293	0.0329	0.84
20.51	0.0800	0.0115	-2.03	49.16	0.1460	0.0366	0.23
20.46	0.0815	0.0120	-1.70	54.50	0.1576	0.0397	0.01
20.47	0.0821	0.0123	-1.74	59.57	0.1895	0.0440	-1.13
27.05	0.1033	0.0145	-0.99	64.20	0.2173	0.0496	-2.79
34.69	0.1312	0.0190	0.02	69.32	0.2429	0.0549	-6.57
34.53	0.1330	0.0195	0.06	74.16	0.2721	0.0586	-8.36
34.53	0.1333	0.0195	0.12	80.16	0.3113	0.0627	-8.94
39.70	0.1472	0.0218	0.51	85.61	0.3523	0.0655	-10.19
45.90	0.1739	0.0287	2.01	90.58	0.3845	0.0702	-11.03
45.65	0.1760	0.0293	2.28	95.69	0.4082	0.0738	-12.55
45.62	0.1764	0.0294	2.34	100.92	0.4334	0.0750	-14.60
50.10	0.1945	0.0326	3.08	103.25	0.4415	0.0771	-14.85
53.47	0.2114	0.0362	3.93	106.11	0.4504	0.0799	-15.27
53.29	0.2137	0.0372	3.95	108.31	0.4569	0.0824	-15.52
53.21	0.2148	0.0374	4.17	111.08	0.4654	0.0869	-15.75
50.49	0.2126	0.0368	4.22	113.24	0.4706	0.0915	-15.75
46.14	0.2070	0.0350	4.54	117.83	0.4824	0.1022	-15.74
46.13	0.2070	0.0348	4.68	120.92	0.4924	0.1094	-16.02
44.97	0.2082	0.0363	3.91	123.28	0.5051	0.1162	-16.25
38.98	0.1992	0.0331	4.66	122.97	0.5093	0.1178	-16.42
33.99	0.1915	0.0306	5.09	125.82	0.5467	0.1183	-17.87
33.96	0.1914	0.0305	5.18	125.60	0.5576	0.1181	-18.30
26.83	0.1798	0.0276	5.75	127.84	0.5894	0.1168	-18.90
21.88	0.1716	0.0259	6.36	130.19	0.6603	0.1142	-19.18
21.90	0.1715	0.0256	6.25	132.53	0.7673	0.1150	-18.43
16.69	0.1625	0.0233	7.00	135.33	0.8758	0.1306	-15.92
11.74	0.1526	0.0211	7.60	134.42	0.8884	0.1328	-15.47
11.77	0.1520	0.0209	7.67	138.35	0.9640	0.1511	-13.70
5.05	0.1219	0.0102	8.44	140.16	1.0084	0.1623	-12.97
0.02	0.0692	-0.0021	10.16	142.63	1.0601	0.1738	-12.39
-0.04	0.0732	0.0007	7.79	145.78	1.1592	0.1889	-11.28
-0.02	0.0748	-0.0001	8.06	142.52	1.1724	0.1901	-11.15
-0.02	0.0728	-0.0010	8.06	0.22	0.5846	-0.1981	-42.12
0.02	0.0702	-0.0029	10.33				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00055 (CH 1483)

AZ = 314.92 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.7 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00055 (CH 1484)

AZ = 314.92 DEGREES R = 11 FT 0.0 IN. V = 8 FT 3.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 56 CHANNELS 1486 1487 1488

STRUCTURAL INTEGRITY TEST					HIGH PRESSURE TEST				
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees		Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	
-0.05	0.0003	0.0000	-40.91		9.89	0.0156	-0.0027	15.42	
5.33	0.0025	0.0018	13.02		19.55	0.0293	0.0017	18.84	
12.31	0.0064	0.0037	16.26		29.57	0.0421	0.0073	20.65	
16.44	0.0091	0.0057	17.63		39.42	0.0549	0.0115	22.20	
20.51	0.0150	0.0081	9.94		49.16	0.0672	0.0145	23.05	
20.46	0.0168	0.0081	8.93		54.50	0.0741	0.0162	22.83	
20.47	0.0179	0.0081	9.75		59.57	0.0787	0.0147	22.04	
27.05	0.0307	-0.0105	7.52		64.20	0.0835	0.0129	21.26	
34.69	0.0478	0.0001	13.03		69.32	0.0888	0.0107	20.51	
34.53	0.0498	0.0032	13.70		74.16	0.0944	0.0078	20.20	
34.53	0.0502	0.0041	13.94		80.16	0.0997	0.0022	18.94	
39.70	0.0577	0.0089	15.41		85.61	0.1048	-0.0037	18.88	
45.90	0.0647	0.0207	15.95		90.58	0.1094	-0.0102	18.94	
45.65	0.0653	0.0206	16.15		95.69	0.1144	-0.0186	18.94	
45.62	0.0653	0.0206	16.00		100.92	0.1187	-0.0281	18.89	
50.10	0.0707	0.0211	16.39		103.25	0.1214	-0.0319	18.72	
53.47	0.0751	0.0210	16.03		106.11	0.1240	-0.0370	18.43	
53.29	0.0754	0.0208	16.01		108.31	0.1263	-0.0407	18.28	
53.21	0.0756	0.0206	15.89		111.08	0.1295	-0.0468	18.08	
50.49	0.0735	0.0213	15.43		113.24	0.1319	-0.0518	18.06	
46.14	0.0695	0.0216	14.47		117.83	0.1377	-0.0634	17.83	
46.13	0.0694	0.0211	14.44		120.92	0.1431	-0.0715	17.68	
44.97	0.0692	0.0214	14.78		123.28	0.1494	-0.0787	17.42	
38.98	0.0633	0.0222	12.92		122.97	0.1504	-0.0799	17.36	
33.99	0.0579	0.0220	10.35		125.82	0.1556	-0.0868	16.81	
33.96	0.0579	0.0220	10.42		125.60	0.1578	-0.0885	16.70	
26.83	0.0501	0.0207	5.35		127.84	0.1631	-0.0936	16.56	
21.88	0.0448	0.0188	0.84		130.19	0.1727	-0.1042	15.83	
21.90	0.0446	0.0189	0.46		132.53	0.1896	-0.1139	14.71	
16.69	0.0393	0.0167	-5.43		135.33	0.2142	-0.1272	13.61	
11.74	0.0341	0.0133	-11.15		134.42	0.2209	-0.1299	13.39	
11.77	0.0332	0.0126	-10.47		138.35	0.2496	-0.1425	12.51	
5.05	0.0264	0.0077	-18.64		140.16	0.2723	-0.1523	12.16	
0.02	0.0203	0.0037	-26.72		142.63	0.3134	-0.1704	11.79	
-0.04	0.0169	0.0035	-24.43		145.78	0.3618	-0.1873	11.75	
-0.02	0.0169	0.0037	-24.28		142.52	0.3735	-0.1940	11.80	
-0.02	0.0167	0.0036	-24.14		0.22	0.0903	-0.1971	3.03	
0.02	0.0166	0.0035	-24.73						

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00056 (CH 1486)
AZ = 179.95 DEGREES R = 11 FT 0.0 IN. V = 9 FT 2.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00056 (CH 1487)

AZ = 179.95 DEGREES R = 11 FT 0.0 IN. V = 9 FT 2.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 57 CHANNELS 1489 1500 1501

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0001	11.45	9.89	0.0005	-0.0074	32.76
5.33	-0.0004	-0.0070	-35.79	19.55	0.0013	-0.0113	21.04
12.31	-0.0022	-0.0119	40.13	29.57	0.0024	-0.0135	18.38
16.44	-0.0032	-0.0141	33.56	39.42	0.0037	-0.0131	15.01
20.51	-0.0041	-0.0169	27.52	49.16	0.0054	-0.0118	13.88
20.46	-0.0037	-0.0176	27.39	54.50	0.0065	-0.0109	13.45
20.47	-0.0036	-0.0178	27.15	59.57	0.0077	-0.0102	12.64
27.05	0.0024	-0.0216	16.64	64.20	0.0093	-0.0093	11.85
34.69	0.0043	-0.0226	11.45	69.32	0.0107	-0.0083	12.47
34.53	0.0047	-0.0223	10.84	74.16	0.0124	-0.0073	12.50
34.53	0.0048	-0.0222	10.73	80.16	0.0133	-0.0066	14.00
39.70	0.0056	-0.0224	8.93	85.61	0.0146	-0.0059	15.43
45.90	0.0068	-0.0220	6.57	90.58	0.0157	-0.0054	17.28
45.65	0.0071	-0.0215	6.44	95.69	0.0167	-0.0052	19.94
45.62	0.0072	-0.0214	6.39	100.92	0.0175	-0.0046	22.24
50.10	0.0079	-0.0210	5.59	103.25	0.0178	-0.0045	23.15
53.47	0.0096	-0.0201	4.14	106.11	0.0181	-0.0046	24.38
53.29	0.0101	-0.0196	4.05	108.31	0.0182	-0.0044	25.30
53.21	0.0103	-0.0193	3.89	111.08	0.0184	-0.0044	26.81
50.49	0.0103	-0.0191	4.08	113.24	0.0184	-0.0043	27.88
46.14	0.0100	-0.0190	4.40	117.83	0.0189	-0.0045	31.67
46.13	0.0100	-0.0187	4.29	120.92	0.0192	-0.0048	34.14
44.97	0.0103	-0.0180	4.26	123.28	0.0199	-0.0049	35.70
38.98	0.0095	-0.0182	5.06	122.97	0.0200	-0.0046	36.15
33.99	0.0089	-0.0180	6.08	125.82	0.0199	-0.0049	38.61
33.96	0.0089	-0.0181	6.26	125.60	0.0199	-0.0046	39.53
26.83	0.0079	-0.0173	7.48	127.84	0.0202	-0.0051	40.90
21.88	0.0074	-0.0162	7.81	130.19	0.0203	-0.0051	43.90
21.90	0.0073	-0.0161	7.51	132.53	0.0210	-0.0056	-43.87
16.69	0.0064	-0.0141	6.42	135.33	0.0220	-0.0063	-41.56
11.74	0.0054	-0.0120	5.18	134.42	0.0225	-0.0067	-40.83
11.77	0.0052	-0.0121	4.80	138.35	0.0251	-0.0073	-40.57
5.05	0.0037	-0.0082	2.66	140.16	0.0271	-0.0074	-39.99
0.02	0.0070	-0.0051	-8.85	142.63	0.0307	-0.0074	-39.25
-0.04	0.0076	-0.0048	-6.49	145.78	0.0346	-0.0071	-39.39
-0.02	0.0077	-0.0047	-6.01	142.52	0.0356	-0.0071	-38.22
-0.02	0.0076	-0.0048	-5.59	0.22	0.0046	-0.0431	-12.52
0.02	0.0070	-0.0046	-4.76

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00057 (CH 1500)
 AZ = 180 DEGREES R = 11 FT 0.0 IN. V = 9 FT 8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 58 CHANNELS 1502 1503 1504

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0002	-32.10	9.89	0.0032	-0.0075	-40.83
5.33	0.0026	-0.0055	44.08	19.55	0.0025	-0.0081	-29.68
12.31	0.0006	-0.0087	-38.44	29.57	0.0034	-0.0088	-18.85
16.44	-0.0004	-0.0097	-32.34	39.42	0.0052	-0.0092	-10.17
20.51	-0.0019	-0.0097	-20.04	49.16	0.0078	-0.0091	-3.82
20.46	-0.0017	-0.0092	-16.29	54.50	0.0098	-0.0090	-0.84
20.47	-0.0018	-0.0091	-12.99	59.57	0.0117	-0.0087	1.59
27.05	0.0046	-0.0115	2.73	64.20	0.0140	-0.0083	3.79
34.69	0.0067	-0.0131	5.15	69.32	0.0163	-0.0079	6.60
34.53	0.0070	-0.0126	4.44	74.16	0.0185	-0.0073	9.26
34.53	0.0069	-0.0126	4.04	80.16	0.0205	-0.0065	11.21
39.70	0.0078	-0.0133	4.19	85.61	0.0225	-0.0060	12.97
45.90	0.0082	-0.0129	6.47	90.58	0.0241	-0.0058	14.84
45.65	0.0084	-0.0125	6.65	95.69	0.0256	-0.0056	16.65
45.62	0.0084	-0.0125	7.19	100.92	0.0269	-0.0054	18.37
50.10	0.0093	-0.0130	8.17	103.25	0.0271	-0.0054	19.23
53.47	0.0105	-0.0122	6.92	106.11	0.0276	-0.0054	20.08
53.29	0.0106	-0.0118	7.33	108.31	0.0280	-0.0054	20.67
53.21	0.0107	-0.0117	7.62	111.08	0.0283	-0.0052	21.62
50.49	0.0105	-0.0113	7.72	113.24	0.0287	-0.0054	22.42
46.14	0.0096	-0.0107	6.91	117.83	0.0290	-0.0053	24.44
46.13	0.0095	-0.0104	6.46	120.92	0.0294	-0.0054	25.91
44.97	0.0092	-0.0101	6.38	123.28	0.0297	-0.0053	27.25
38.98	0.0080	-0.0097	5.41	122.97	0.0295	-0.0052	27.52
33.99	0.0070	-0.0089	5.36	125.82	0.0294	-0.0050	28.82
33.96	0.0069	-0.0090	4.69	125.60	0.0290	-0.0047	29.44
26.83	0.0055	-0.0073	2.41	127.84	0.0292	-0.0048	30.24
21.88	0.0041	-0.0059	1.52	130.19	0.0290	-0.0047	32.14
21.90	0.0041	-0.0060	0.92	132.53	0.0292	-0.0043	33.82
16.69	0.0031	-0.0047	-1.59	135.33	0.0297	-0.0044	36.08
11.74	0.0025	-0.0033	-5.08	134.42	0.0293	-0.0041	37.17
11.77	0.0024	-0.0034	-3.55	138.35	0.0312	-0.0035	37.86
5.05	0.0025	-0.0013	-13.42	140.16	0.0326	-0.0029	39.11
0.02	0.0075	-0.0023	29.73	142.63	0.0351	-0.0018	40.49
-0.04	0.0094	-0.0036	29.01	145.78	0.0386	-0.0007	41.06
-0.02	0.0094	-0.0034	29.11	142.52	0.0383	0.0000	42.94
-0.02	0.0092	-0.0033	28.92	0.22	0.0069	-0.0463	30.41
0.02	0.0082	-0.0033	30.11				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00058 (CH 1502)

AZ = 180 DEGREES R = 11 FT 0.0 IN. V = 9 FT 9.6 IN.

REINFORCED CONCRETE TEST DATA

ROSITTE 59 CHANNELS 1505 1506 1507

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
0.05	0.0003	0.0002	29.42	9.89	0.0038	0.0000	4.78
5.33	0.0016	0.0007	33.70	19.55	0.0066	-0.0032	3.97
12.31	0.0033	0.0016	25.32	29.57	0.0096	0.0020	3.76
16.44	0.0046	0.0020	19.17	39.42	0.0129	0.0012	3.88
20.51	0.0067	0.0026	8.07	49.16	0.0166	0.0006	4.08
20.46	0.0073	0.0026	7.22	54.50	0.0187	0.0000	3.49
20.47	0.0075	0.0025	6.85	59.57	0.0206	0.0005	2.60
27.05	0.0123	0.0017	12.34	64.20	0.0225	0.0009	3.27
34.69	0.0165	0.0010	13.59	69.32	0.0244	0.0014	3.59
34.53	0.0167	0.0010	13.23	74.16	0.0260	0.0018	3.57
34.53	0.0166	0.0011	13.53	80.16	0.0278	0.0023	2.68
39.70	0.0182	0.0010	13.32	85.61	0.0294	0.0029	2.68
45.90	0.0201	0.0004	11.42	90.58	0.0307	0.0033	2.62
45.65	0.0198	0.0003	11.50	95.69	0.0321	0.0034	2.34
45.62	0.0195	0.0003	11.78	100.92	0.0331	0.0034	2.51
50.10	0.0210	0.0006	10.63	103.25	0.0336	0.0034	2.75
53.47	0.0219	0.0002	10.16	106.11	0.0344	0.0034	2.72
53.29	0.0217	0.0006	9.75	108.31	0.0348	0.0035	2.82
53.21	0.0216	0.0006	9.61	111.08	0.0353	0.0034	3.47
50.49	0.0212	0.0006	9.58	113.24	0.0357	0.0035	3.60
46.14	0.0201	0.0004	10.04	117.83	0.0364	0.0036	4.29
46.13	0.0201	0.0004	9.88	120.92	0.0371	0.0038	4.80
44.97	0.0197	0.0000	10.82	123.28	0.0375	0.0041	5.40
38.98	0.0181	0.0003	10.71	122.97	0.0372	0.0039	5.78
33.99	0.0167	0.0008	11.16	125.82	0.0380	0.0045	6.05
33.96	0.0168	0.0008	11.24	125.60	0.0375	0.0043	6.41
26.83	0.0145	0.0012	12.11	127.84	0.0385	0.0047	6.58
21.88	0.0133	0.0014	12.49	130.19	0.0391	0.0050	7.05
21.90	0.0131	0.0016	12.50	132.53	0.0398	0.0052	7.41
16.69	0.0116	0.0020	12.78	135.33	0.0404	0.0054	8.20
11.74	0.0103	0.0025	14.71	137.42	0.0395	0.0053	8.59
11.77	0.0101	0.0023	13.72	138.35	0.0410	0.0059	8.95
5.05	0.0086	0.0016	16.93	140.16	0.0413	0.0063	9.29
0.02	0.0073	0.0006	21.87	142.63	0.0419	0.0073	9.83
0.04	0.0084	0.0005	24.71	145.78	0.0432	0.0079	10.09
0.02	0.0082	0.0006	25.45	142.52	0.0415	0.0077	10.72
0.02	0.0080	0.0004	25.71	0.22	0.0119	0.0258	18.43
0.02	0.0073	0.0003	24.39				

- INNER ROSETTE - MAXIMUM STRAIN
 ROSETTE PC0059 (CH 1505)
 AZ = 180 DEGREES R = 11 FT 0.0 IN. V = 11 FT 3.8 IN.

INNER ROSETTE - MINIMUM STRAIN

ROSETTE R00059 (CH 1506)

AZ = 180 DEGREES R = 11 FT C.O IN. V = 11 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 60 CHANNELS 1508 1509 1520

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	41.90	9.89	0.0142	-0.0022	18.16
5.33	0.0019	-0.0035	20.73	19.55	0.0239	0.0051	16.29
12.31	0.0062	-0.0063	21.25	29.57	0.0343	0.0136	14.23
16.44	0.0122	-0.0058	23.72	39.42	0.0444	0.0216	12.07
20.51	0.0223	-0.0023	25.18	49.16	0.0544	0.0289	9.15
20.46	0.0242	-0.0011	25.51	54.50	0.0603	0.0334	8.23
20.47	0.0250	-0.0006	25.68	59.57	0.0723	0.0354	10.58
27.05	0.0397	0.0072	24.79	64.20	0.0866	0.0376	14.37
34.69	0.0571	0.0174	21.85	69.32	0.1060	0.0395	16.23
34.53	0.0573	0.0178	21.85	74.16	0.1243	0.0412	14.83
34.53	0.0574	0.0179	21.94	80.16	0.1441	0.0468	11.92
39.70	0.0655	0.0217	21.11	85.61	0.1687	0.0532	9.11
45.90	0.0803	0.0274	21.74	90.58	0.1915	0.0613	5.88
45.65	0.0816	0.0270	22.24	95.69	0.2190	0.0746	1.66
45.62	0.0817	0.0269	22.33	100.92	0.2530	0.0828	-1.25
50.10	0.0908	0.0294	22.31	103.25	0.2661	0.0875	-2.11
53.47	0.1000	0.0308	23.29	106.11	0.2783	0.0909	-2.79
53.29	0.1015	0.0309	23.90	108.31	0.2886	0.0936	-3.11
53.21	0.1016	0.0310	23.97	111.08	0.3024	0.0968	-3.39
50.49	0.1001	0.0296	25.05	113.24	0.3115	0.0993	-3.38
46.14	0.0964	0.0268	26.18	117.83	0.3289	0.1036	-3.68
46.13	0.0960	0.0266	26.09	120.92	0.3410	0.1070	-3.11
44.97	0.0951	0.0279	27.31	123.28	0.3504	0.1102	-2.46
38.98	0.0906	0.0235	28.88	122.97	0.3514	0.1106	-2.32
33.99	0.0862	0.0193	29.90	125.82	0.3608	0.1133	-1.91
33.96	0.0860	0.0192	29.78	125.60	0.3627	0.1139	-1.77
26.83	0.0794	0.0126	30.76	127.84	0.3695	0.1157	-1.51
21.88	0.0749	0.0080	31.45	130.19	0.3806	0.1174	-1.02
21.90	0.0743	0.0080	31.21	132.53	0.3987	0.1199	-0.49
16.69	0.0700	0.0028	31.86	135.33	0.4431	0.1254	0.99
11.74	0.0653	-0.0018	32.34	134.42	0.4534	0.1258	1.45
11.77	0.0648	-0.0021	31.82	138.35	0.5256	0.1341	3.14
5.05	0.0591	-0.0044	32.94	140.16	0.6028	0.1396	4.17
0.02	0.0496	0.0028	37.20	142.63	0.7175	0.1498	5.10
-0.04	0.0479	-0.0031	34.08	145.78	0.8276	0.1655	4.92
-0.02	0.0488	-0.0025	35.27	142.52	0.8585	0.1692	5.09
-0.02	0.0487	-0.0023	35.46	0.22	0.5860	0.0298	-0.08
0.02	0.0483	-0.0023	35.42				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00060 (CH 1508)

AZ = 0.18 DEGREES R = 11 FT 0.0 IN. V = 17 FT 8.6 IN.

INNER ROSETTE - MINIMUM STRAIN

ROSETTE R00060 (CH 1509)

AZ = 0.18 DEGREES R = 11 FT 0.0 IN. V = 17 FT 8.6 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 61 CHANNELS 1521 1522 1523

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0007	31.07	9.89	0.0314	0.0071	8.65
5.33	0.0043	-0.0002	-10.68	19.55	0.0645	0.0141	8.83
12.31	0.0112	-0.0009	-9.83	29.57	0.0963	0.0205	8.54
16.44	0.0274	0.0006	0.57	39.42	0.1255	0.0260	8.13
20.51	0.0452	0.0041	4.27	49.16	0.1538	0.0305	7.94
20.46	0.0468	0.0063	5.10	54.50	0.1702	0.0345	7.20
20.47	0.0470	0.0077	4.95	59.57	0.1869	0.0324	-0.84
27.05	0.0691	0.0159	6.42	64.20	0.2292	0.0175	-13.06
34.69	0.1001	0.0217	3.76	69.32	0.3042	-0.0196	-19.15
34.53	0.1018	0.0227	3.74	74.16	0.4339	-0.0336	-14.85
34.53	0.1022	0.0234	3.96	80.16	0.8930	-0.0529	7.35
39.70	0.1203	0.0283	3.06	85.61	1.4926	-0.1656	16.17
45.90	0.1453	0.0391	2.27	90.58	1.6286	-0.1964	16.66
45.65	0.1471	0.0396	2.27	95.69	1.6390	-0.2233	15.96
45.62	0.1477	0.0396	2.29	100.92	1.6862	-0.2544	15.44
50.10	0.1606	0.0408	0.51	103.25	1.7275	-0.2817	15.43
53.47	0.1740	0.0405	-0.53	106.11	1.7937	-0.3075	15.47
53.29	0.1768	0.0403	-0.58	108.31	1.8620	-0.3287	15.60
53.21	0.1780	0.0403	-0.61	111.08	1.9548	-0.3575	15.72
50.49	0.1742	0.0398	-0.82	113.24	2.0326	-0.3826	15.81
46.14	0.1648	0.0387	-1.10	117.83	2.2380	-0.4503	15.92
46.13	0.1645	0.0383	-1.13	120.92	2.3758	-0.4938	16.02
44.97	0.1617	0.0357	-1.84	123.28	2.5001	-0.5322	16.15
38.98	0.1476	0.0337	-2.55	122.97	2.5266	-0.5409	16.18
33.99	0.1344	0.0314	-3.47	125.82	2.6867	-0.5945	16.21
33.96	0.1339	0.0313	-3.50	125.60	2.7269	-0.6070	16.26
26.83	0.1143	0.0275	-5.29	127.84	2.8533	-0.6435	16.34
21.88	0.1002	0.0243	-6.82	130.19	3.0816	-0.7159	16.41
21.90	0.1002	0.0241	-6.81	132.53	3.4001	-0.8165	16.50
16.69	0.0853	0.0201	-9.34	135.33	3.8587	-0.9566	16.67
11.74	0.0705	0.0154	-12.72	134.42	3.9524	-0.9850	16.73
11.77	0.0705	0.0153	-12.55	138.35	4.6044	-1.1651	16.96
5.05	0.0520	0.0080	-19.35	140.16	5.2080	-1.3201	17.32
0.02	0.0396	0.0010	-26.97	142.63	6.2945	-1.5867	18.25
-0.04	0.0389	-0.0014	-25.48	145.78	7.7082	-1.9271	19.40
-0.02	0.0393	-0.0031	-25.91	142.52	8.2190	-2.0605	19.77
-0.02	0.0388	-0.0034	-26.22	0.22	7.0378	-1.8797	19.91
0.02	0.0384	-0.0033	-26.24				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00061 (CH 1521)

AZ = 7.52 DEGREES R = 11 FT 0.0 IN. V = 14 FT 5.8 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00061 (CH 1522)

AZ = 7.52 DEGREES R = 11 FT 0.0 IN. V = 14 FT 5.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 62 CHANNELS 1524 1525 1526

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0001	8.16	9.89	0.0159	0.0042	-0.44
5.33	-0.0029	-0.0041	-27.70	19.55	0.0305	0.0082	1.24
12.31	0.0018	-0.0022	-2.69	29.57	0.0454	0.0122	1.42
16.44	0.0054	-0.0011	-1.01	39.42	0.0593	0.0163	1.61
20.51	0.0115	0.0013	-2.06	49.16	0.0722	0.0201	1.10
20.46	0.0122	0.0026	-0.69	54.50	0.0798	0.0225	1.32
20.47	0.0128	0.0030	-0.80	59.57	0.0876	0.0246	1.20
27.05	0.0248	0.0079	-5.91	64.20	0.0963	0.0272	1.23
34.69	0.0410	0.0129	-6.30	69.32	0.1058	0.0296	1.25
34.53	0.0422	0.0135	-6.38	74.16	0.1154	0.0322	0.95
34.53	0.0425	0.0134	-6.78	80.16	0.1258	0.0331	0.03
39.70	0.0506	0.0154	-5.72	85.61	0.1353	0.0355	-0.70
45.90	0.0617	0.0200	-3.84	90.58	0.1440	0.0374	-1.65
45.65	0.0622	0.0195	-4.39	95.69	0.1533	0.0389	-2.94
45.62	0.0624	0.0195	-4.38	100.92	0.1634	0.0401	-4.46
50.10	0.0684	0.0222	-3.68	103.25	0.1685	0.0403	-5.09
53.47	0.0742	0.0241	-3.36	106.11	0.1740	0.0407	-5.79
53.29	0.0749	0.0241	-3.21	108.31	0.1784	0.0411	-6.31
53.21	0.0751	0.0241	-3.25	111.08	0.1854	0.0412	-7.04
50.49	0.0733	0.0234	-3.22	113.24	0.1917	0.0412	-7.48
46.14	0.0689	0.0219	-3.61	117.83	0.2070	0.0412	-8.46
46.13	0.0686	0.0217	-3.68	120.92	0.2192	0.0414	-8.85
44.97	0.0680	0.0245	-1.48	123.28	0.2305	0.0414	-9.02
38.98	0.0616	0.0223	-1.18	122.97	0.2326	0.0417	-8.97
33.99	0.0548	0.0206	-1.25	125.82	0.2458	0.0422	-9.09
33.96	0.0545	0.0205	-1.68	125.60	0.2498	0.0425	-8.99
26.83	0.0441	0.0181	-2.13	127.84	0.2584	0.0435	-8.99
21.88	0.0365	0.0163	-3.29	130.19	0.2768	0.0447	-8.86
21.90	0.0364	0.0162	-3.51	132.53	0.3012	0.0469	-8.70
16.69	0.0285	0.0143	-5.43	135.33	0.3364	0.0502	-8.53
11.74	0.0208	0.0121	-9.18	134.42	0.3456	0.0500	-8.43
11.77	0.0207	0.0113	-10.50	138.35	0.3960	0.0564	-8.01
5.05	0.0102	0.0073	39.55	140.16	0.4457	0.0591	-7.71
0.02	0.0080	-0.0015	9.62	142.63	0.5348	0.0649	-6.96
-0.04	0.0059	-0.0001	18.63	145.78	0.6755	0.0709	-6.33
-0.02	0.0066	0.0000	11.32	142.52	0.7414	0.0653	-5.84
-0.02	0.0069	-0.0001	10.13	0.22	0.5908	0.0399	-8.13
0.02	0.0068	-0.0001	8.70				

- INNER ROSETTE - MAXIMUM STRAIN

ROSETTE R00062 (CH 1524)

AZ = 13.57 DEGREES R = 11 FT 0.0 IN. V = 15 FT 7.5 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00062 (CH 1525)
AZ = 13.57 DEGREES R = 11 FT 0.0 IN. V = 15 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 63 CHANNELS 1527 1528 1529

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0001	-38.17	9.89	0.0086	0.0053	-0.61
5.33	0.0047	0.0013	17.25	19.55	0.0162	0.0131	-2.31
12.31	0.0090	0.0037	20.50	29.57	0.0247	0.0215	5.02
16.44	0.0116	0.0058	19.34	39.42	0.0329	0.0288	15.82
20.51	0.0160	0.0092	20.93	49.16	0.0409	0.0357	20.57
20.46	0.0173	0.0105	21.93	54.50	0.0455	0.0389	25.90
20.47	0.0181	0.0113	23.46	59.57	0.0515	0.0405	25.20
27.05	0.0282	0.0199	27.23	64.20	0.0592	0.0395	20.77
34.69	0.0381	0.0348	32.54	69.32	0.0670	0.0420	18.75
34.53	0.0391	0.0361	39.17	74.16	0.0737	0.0465	16.74
34.53	0.0392	0.0365	41.28	80.16	0.0808	0.0526	13.17
39.70	0.0445	0.0411	43.49	85.61	0.0889	0.0731	3.48
45.90	0.0538	0.0422	31.00	90.58	0.0979	0.0859	-8.19
45.65	0.0544	0.0409	30.02	95.69	0.1135	0.1019	-44.32
45.62	0.0544	0.0408	29.47	100.92	0.1342	0.1169	17.28
50.10	0.0598	0.0411	27.50	103.25	0.1445	0.1231	6.78
53.47	0.0651	0.0402	26.56	106.11	0.1556	0.1286	-1.60
53.79	0.0658	0.0394	26.26	108.31	0.1641	0.1319	-8.39
53.21	0.0660	0.0392	26.08	111.08	0.1764	0.1358	-13.70
50.49	0.0649	0.0380	26.25	113.24	0.1840	0.1376	-10.34
46.14	0.0620	0.0359	25.87	117.83	0.1990	0.1421	-21.76
46.11	0.0618	0.0357	25.68	120.92	0.2067	0.1461	-23.07
44.97	0.0620	0.0356	26.63	123.28	0.2122	0.1471	24.15
38.58	0.0580	0.0326	26.29	122.97	0.2130	0.1473	-24.36
33.99	0.0541	0.0295	25.61	125.82	0.2171	0.1485	-25.52
33.96	0.0541	0.0298	25.37	125.60	0.2183	0.1489	-25.81
26.83	0.0484	0.0245	25.44	127.84	0.2208	0.1504	-26.34
21.88	0.0441	0.0207	25.69	130.19	0.2225	0.1528	-27.69
21.90	0.0442	0.0208	25.69	132.53	0.2235	0.1567	-28.68
16.69	0.0394	0.0169	25.92	135.33	0.2254	0.1631	-27.40
11.74	0.0349	0.0128	25.93	134.42	0.2252	0.1645	-29.15
11.77	0.0344	0.0120	25.35	138.35	0.2298	0.1757	-30.23
5.05	0.0290	0.0070	25.37	140.16	0.2305	0.1853	-32.24
0.02	0.0254	0.0043	27.17	142.63	0.2331	0.2014	-40.93
-0.04	0.0248	0.0025	27.69	145.78	0.2460	0.2107	34.93
-0.02	0.0253	0.0033	27.84	148.52	0.3061	0.1598	34.96
-0.02	0.0256	0.0039	27.45	0.22	0.1122	0.0467	-36.89
0.02	0.0256	0.0039	27.45

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REDUCTION

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00063 (CH 1527)

AZ = 44.9 DEGREES R = 11 FT 0.0 IN. V = 11 FT 7.5 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00063 (CH 1528)
 AZ = 44.9 DEGREES R = 11 FT 0.0 IN. V = 11 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 64 CHANNELS 1540 1541 1542

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	11.04	9.89	0.0102	0.0024	-1.40
5.33	0.0028	0.0012	8.72	19.55	0.0206	0.0043	-1.21
12.31	0.0072	0.0026	4.30	29.57	0.0312	0.0060	-0.73
16.44	0.0111	0.0033	1.10	39.42	0.0412	0.0076	-0.82
20.51	0.0178	0.0048	0.83	49.16	0.0510	0.0093	-1.02
20.46	0.0192	0.0051	0.97	54.50	0.0564	0.0102	-1.10
20.47	0.0201	0.0054	0.86	59.57	0.0617	0.0113	-0.86
27.05	0.0302	0.0066	-0.17	64.20	0.0670	0.0122	-0.76
34.69	0.0419	0.0085	-0.32	69.32	0.0726	0.0135	-1.06
34.53	0.0425	0.0088	-0.39	74.16	0.0773	0.0151	-0.82
34.53	0.0426	0.0089	-0.42	80.16	0.0819	0.0159	-0.61
39.70	0.0485	0.0100	-0.54	85.61	0.0869	0.0174	-0.61
45.90	0.0567	0.0113	-0.80	90.58	0.0914	0.0189	-0.69
45.65	0.0570	0.0111	-1.22	95.69	0.0954	0.0207	-0.88
45.62	0.0570	0.0110	-1.24	100.92	0.0990	0.0228	-1.09
50.10	0.0618	0.0118	-1.23	103.25	0.1007	0.0237	-1.37
53.47	0.0659	0.0125	-1.18	106.11	0.1024	0.0246	-1.28
53.29	0.0661	0.0126	-1.52	108.31	0.1037	0.0254	-1.37
53.21	0.0662	0.0125	-1.51	111.08	0.1053	0.0265	-1.50
50.49	0.0642	0.0122	-1.64	113.24	0.1064	0.0271	-1.64
46.14	0.0607	0.0116	-1.82	117.83	0.1086	0.0284	-1.87
46.13	0.0605	0.0115	-1.83	120.92	0.1096	0.0290	-1.88
44.97	0.0595	0.0118	-2.08	123.28	0.1104	0.0294	-1.78
38.98	0.0542	0.0110	-2.28	122.97	0.1101	0.0294	-1.82
33.99	0.0493	0.0103	-2.42	125.82	0.1115	0.0299	-1.80
33.96	0.0494	0.0103	-2.42	125.60	0.1113	0.0299	-1.66
26.83	0.0424	0.0092	-2.77	127.84	0.1125	0.0303	-1.62
21.88	0.0374	0.0084	-2.99	130.19	0.1137	0.0307	-1.07
21.90	0.0374	0.0085	-2.69	132.53	0.1160	0.0312	-0.10
16.69	0.0320	0.0076	-2.98	135.33	0.1206	0.0320	1.92
11.74	0.0267	0.0067	-3.37	134.42	0.1204	0.0321	2.54
11.77	0.0264	0.0064	-3.50	138.35	0.1322	0.0328	5.58
5.05	0.0195	0.0048	-3.76	140.16	0.2471	0.0205	-10.10
0.02	0.0145	0.0037	-4.77	142.63	0.8956	-0.0917	-18.42
-0.04	0.0137	0.0031	-2.52	145.78	1.1933	-0.0413	-8.69
-0.02	0.0140	0.0035	-2.98	142.52	1.1428	-0.0310	-7.20
-0.02	0.0142	0.0039	-4.00	0.22	0.9607	-0.0572	-7.80
0.02	0.0143	0.0039	-3.96				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00064 (CH 1540)
AZ = 45.93 DEGREES R = 11 FT 0.0 IN. V = 13 FT 4.4 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00064 (CH 1541)
 AZ = 45.93 DEGREES R = 11 FT 0.0 IN. V = 13 FT 4.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 65 CHANNELS 1543 1544 1545

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0007	0.0002	-40.27	9.89	0.0088	0.0061	-8.65
5.33	0.0032	0.0019	-2.17	19.55	0.0175	0.0108	-4.75
12.31	0.0073	0.0047	3.31	29.57	0.0271	0.0157	-1.73
16.44	0.0102	0.0068	8.54	39.42	0.0362	0.0207	-0.81
20.51	0.0143	0.0106	10.00	49.16	0.0447	0.0256	-0.67
20.46	0.0150	0.0119	12.14	54.50	0.0495	0.0285	-0.28
20.47	0.0154	0.0122	12.31	59.57	0.0561	0.0306	0.80
27.05	0.0234	0.0199	31.03	64.20	0.0663	0.0312	3.12
34.69	0.0373	0.0323	-8.18	69.32	0.0759	0.0329	4.17
34.53	0.0377	0.0331	-10.12	74.16	0.0848	0.0348	5.52
34.53	0.0387	0.0334	-3.98	80.16	0.0927	0.0362	5.14
39.70	0.0468	0.0356	0.66	85.61	0.1020	0.0379	5.13
45.90	0.0605	0.0385	2.84	90.58	0.1106	0.0398	4.82
45.65	0.0622	0.0386	4.83	95.69	0.1203	0.0427	4.81
45.62	0.0620	0.0387	3.49	100.92	0.1300	0.0470	4.13
50.10	0.0691	0.0407	3.65	103.25	0.1345	0.0497	3.77
53.47	0.0758	0.0424	3.07	106.11	0.1398	0.0538	3.04
53.29	0.0764	0.0424	4.05	108.31	0.1440	0.0585	0.50
53.21	0.0767	0.0425	4.17	111.08	0.1517	0.0661	-7.87
50.49	0.0751	0.0415	3.99	113.24	0.1622	0.0715	-17.02
46.14	0.0717	0.0395	3.85	117.83	0.2251	0.0693	-38.46
46.13	0.0715	0.0394	3.74	120.92	0.2759	0.0643	44.54
44.97	0.0712	0.0393	3.10	123.28	0.3192	0.0654	39.78
38.98	0.0664	0.0369	2.98	122.97	0.3304	0.0665	38.61
33.99	0.0620	0.0346	2.85	125.82	0.3803	0.0709	34.58
33.96	0.0620	0.0345	3.03	125.60	0.3925	0.0712	33.73
26.83	0.0554	0.0316	2.58	127.84	0.4192	0.0746	32.05
21.88	0.0509	0.0291	2.07	130.19	0.4748	0.0834	28.63
21.90	0.0506	0.0292	2.79	132.53	0.5622	0.0958	24.56
16.69	0.0458	0.0267	3.33	135.33	0.6829	0.1250	19.48
11.74	0.0409	0.0243	3.08	134.42	0.7040	0.1291	18.93
11.77	0.0401	0.0238	2.70	138.35	0.8441	0.1696	15.38
5.05	0.0340	0.0204	3.87	140.16	0.9107	0.1969	14.72
0.02	0.0296	0.0175	6.67	142.63	0.9800	0.2789	15.71
-0.04	0.0288	0.0162	8.74	145.78	1.0526	0.4049	19.26
-0.02	0.0292	0.0166	8.49	142.52	1.0880	0.3570	22.45
-0.02	0.0296	0.0166	8.35	0.22	0.8619	0.2836	15.88
0.02	0.0300	0.0168	9.06				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00065 (CH 1543)

AZ = 45 DEGREES R = 11 FT 0.0 IN. V = 14 FT 1.4 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00065 (CH 1544)

AZ = 45 DEGREES R = 11 FT 0.0 IN. V = 14 FT 1.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 66 CHANNELS 1546 1547 1548

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	-29.37	9.89	0.0126	0.0048	26.84
5.33	0.0036	0.0009	16.80	19.55	0.0239	0.0112	22.78
12.31	0.0034	0.0027	4.22	29.57	0.0356	0.0177	19.61
16.44	0.0118	0.0038	5.10	39.42	0.0470	0.0237	17.67
20.51	0.0167	0.0062	11.81	49.16	0.0578	0.0296	16.27
20.46	0.0174	0.0074	9.58	54.50	0.0641	0.0336	15.89
20.47	0.0176	0.0081	6.06	59.57	0.0709	0.0379	14.38
27.05	0.0261	0.0150	13.25	64.20	0.0772	0.0430	12.98
34.69	0.0383	0.0257	17.86	69.32	0.0843	0.0482	11.70
34.53	0.0394	0.0258	20.25	74.16	0.0920	0.0543	11.15
34.53	0.0395	0.0268	19.03	80.16	0.1018	0.0598	13.70
39.70	0.0460	0.0309	19.20	85.61	0.1113	0.0661	13.91
45.90	0.0557	0.0368	19.41	90.58	0.1204	0.0724	14.15
45.65	0.0562	0.0375	20.75	95.69	0.1309	0.0795	15.11
45.62	0.0564	0.0377	20.57	100.92	0.1423	0.0877	16.19
50.10	0.0617	0.0413	19.28	103.25	0.1484	0.0923	16.84
53.47	0.0666	0.0448	18.90	106.11	0.1549	0.0967	17.59
53.29	0.0670	0.0454	18.54	108.31	0.1602	0.1005	17.98
53.21	0.0670	0.0458	18.05	111.08	0.1682	0.1060	18.59
50.49	0.0652	0.0448	18.97	113.24	0.1743	0.1106	18.85
46.14	0.0614	0.0430	19.77	117.83	0.1838	0.1213	19.37
46.13	0.0613	0.0428	19.96	120.92	0.1995	0.1301	19.24
44.97	0.0615	0.0431	19.98	123.28	0.2094	0.1381	19.18
38.98	0.0555	0.0410	20.18	122.97	0.2110	0.1398	19.13
33.99	0.0505	0.0385	21.89	125.82	0.2230	0.1469	18.86
33.96	0.0503	0.0384	21.45	125.60	0.2246	0.1505	17.70
26.83	0.0428	0.0357	25.40	127.84	0.2276	0.1604	8.66
21.88	0.0378	0.0319	31.73	130.19	0.2473	0.1669	10.17
21.90	0.0378	0.0318	32.36	132.53	0.2767	0.1741	9.60
16.69	0.0325	0.0283	-41.41	135.33	0.3437	0.1849	7.77
11.74	0.0280	0.0233	-31.61	134.42	0.3631	0.1875	7.53
11.77	0.0280	0.0225	-28.99	138.35	0.5065	0.2056	5.00
5.05	0.0232	0.0158	-14.72	140.16	0.7131	0.2164	2.71
0.02	0.0198	0.0107	-7.78	142.63	0.9988	0.2356	1.77
-0.04	0.0182	0.0086	-15.75	145.78	1.1943	0.2565	2.23
-0.02	0.0191	0.0085	-20.49	142.52	1.3345	0.2606	-0.17
-0.02	0.0189	0.0094	-15.56	0.22	1.0746	0.1631	0.69
0.02	0.0184	0.0100	-5.92				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00066 (CH 1546)
AZ = 45.52 DEGREES R = 11 FT 0.0 IN. V = 16 FT 2.4 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00056 (CH 1547)

AZ = 45.52 DEGREES R = 11 FT 0.0 IN. V = 16 FT 2.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 67 CHANNELS 1549 1560 1561

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	0.0000	-15.55	9.89	0.0184	0.0132	1.50
5.33	0.0114	0.0010	-43.03	19.55	0.0338	0.0189	3.75
12.31	0.0250	0.0067	-40.85	29.57	0.0473	0.0255	4.66
16.44	0.0299	0.0074	-38.03	39.42	0.0599	0.0314	5.29
20.51	0.0356	0.0114	-36.57	49.16	0.0710	0.0366	3.70
20.46	0.0368	0.0122	-37.09	54.50	0.0777	0.0401	5.13
20.47	0.0377	0.0128	-37.82	59.57	0.0799	0.0472	6.83
27.05	0.0471	0.0199	-31.48	64.20	0.0833	0.0530	-1.02
34.69	0.0587	0.0265	-30.82	69.32	0.0890	0.0579	-4.00
34.53	0.0589	0.0272	-32.05	74.16	0.1079	0.0630	2.11
34.53	0.0592	0.0272	-32.12	80.16	0.1266	0.0643	1.56
39.70	0.0637	0.0281	-33.34	85.61	0.1408	0.0698	0.24
45.90	0.0781	0.0377	-22.90	90.58	0.1525	0.0736	-2.80
45.65	0.0782	0.0392	-22.04	95.69	0.1671	0.0773	-5.59
45.62	0.0779	0.0390	-20.76	100.92	0.1830	0.0808	-9.16
50.10	0.0864	0.0440	-15.54	103.25	0.1894	0.0825	-10.81
53.47	0.0922	0.0478	-14.85	106.11	0.2007	0.0835	-13.02
53.29	0.0933	0.0472	-15.67	108.31	0.2089	0.0834	-14.81
53.21	0.0937	0.0472	-15.61	111.08	0.2244	0.0815	-17.40
50.49	0.0917	0.0465	-16.08	113.24	0.2381	0.0762	-19.91
46.14	0.0875	0.0450	-17.30	117.83	0.2660	0.0675	-23.19
46.13	0.0872	0.0449	-16.94	120.92	0.2825	0.0631	-24.02
44.97	0.0866	0.0471	-15.34	123.28	0.3002	0.0607	-23.92
38.98	0.0801	0.0451	-17.70	122.97	0.3031	0.0614	-23.63
33.99	0.0747	0.0426	-20.02	125.82	0.3243	0.0644	-22.46
33.96	0.0749	0.0428	-21.14	125.60	0.3291	0.0654	-22.24
26.83	0.0669	0.0381	-25.34	127.84	0.3456	0.0668	-21.57
21.88	0.0610	0.0355	-28.42	130.19	0.4083	0.0621	-20.15
21.90	0.0611	0.0352	-27.81	132.53	0.5924	0.0505	-17.29
16.69	0.0551	0.0309	-33.93	135.33	0.9503	0.0750	-7.71
11.74	0.0495	0.0253	-40.68	134.42	0.9970	0.0792	-6.57
11.77	0.0489	0.0247	-38.77	138.35	1.1822	0.0991	-0.87
5.05	0.0404	0.0150	40.90	140.16	1.2432	0.1039	0.24
0.02	0.0337	0.0052	42.80	145.33	1.3342	0.1157	1.10
-0.04	0.0300	0.0062	-43.54	145.78	1.4678	0.1288	1.70
-0.02	0.0315	0.0069	44.65	142.52	1.5520	0.1350	0.85
-0.02	0.0314	0.0071	44.93	0.22	1.2185	-0.0076	1.84
0.02	0.0323	0.0070	43.78				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00067 (CH 1549)
 AZ = 45.88 DEGREES R = 11 FT 0.0 IN. V = 17 FT 9.8 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00067 (CH 1560)

AZ = 45.88 DEGREES R = 11 FT 0.0 IN. V = 17 FT 9.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 68 CHANNELS 1562 1563 1564

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	0.0000	-44.81	9.89	0.0126	0.0059	-8.55
5.33	0.0041	0.0010	-0.28	19.55	0.0252	0.0117	-9.22
12.31	0.0091	0.0026	-1.73	29.57	0.0380	0.0174	-10.07
16.44	0.0132	0.0036	-2.65	39.42	0.0507	0.0225	-9.98
20.51	0.0195	0.0052	-2.68	49.16	0.0618	0.0277	-9.24
20.46	0.0222	0.0056	-3.56	54.50	0.0687	0.0308	-10.03
20.47	0.0217	0.0061	-1.78	59.57	0.0747	0.0347	-9.60
27.05	0.0350	0.0105	-0.99	64.20	0.0811	0.0391	-9.89
34.69	0.0490	0.0190	-5.51	69.32	0.0883	0.0437	-9.94
34.53	0.0500	0.0205	-5.94	74.16	0.0956	0.0487	-10.00
34.53	0.0501	0.0208	-6.21	80.16	0.1022	0.0526	-9.47
39.70	0.0567	0.0262	-8.60	85.61	0.1104	0.0568	-9.41
45.90	0.0663	0.0329	-10.27	90.58	0.1179	0.0606	-9.22
45.65	0.0665	0.0332	-10.89	95.69	0.1259	0.0645	-8.91
45.62	0.0664	0.0331	-10.69	100.92	0.1338	0.0687	-8.48
50.10	0.0726	0.0362	-10.94	103.25	0.1372	0.0707	-8.28
53.47	0.0779	0.0395	-11.30	106.11	0.1417	0.0729	-8.37
53.29	0.0781	0.0399	-11.49	108.31	0.1450	0.0747	-8.27
53.21	0.0781	0.0401	-11.74	111.08	0.1497	0.0772	-8.20
50.49	0.0757	0.0395	-12.04	113.24	0.1536	0.0790	-8.11
46.14	0.0711	0.0378	-12.60	117.83	0.1619	0.0833	-7.41
46.13	0.0708	0.0376	-12.70	120.92	0.1681	0.0862	-6.57
44.97	0.0707	0.0382	-13.07	123.28	0.1729	0.0887	-5.43
38.98	0.0640	0.0360	-14.12	122.97	0.1732	0.0890	-5.14
33.99	0.0580	0.0336	-14.93	125.82	0.1776	0.0916	-3.97
33.96	0.0578	0.0337	-14.62	125.60	0.1785	0.0918	-3.51
26.83	0.0490	0.0301	-16.55	127.84	0.1828	0.0932	-2.85
21.88	0.0429	0.0276	-17.83	130.19	0.1907	0.0932	-2.24
21.90	0.0430	0.0278	-17.68	132.53	0.2017	0.0914	-2.12
16.69	0.0366	0.0250	-20.25	135.33	0.2360	0.0861	-2.39
11.74	0.0306	0.0219	-24.32	134.42	0.2484	0.0834	-2.15
11.77	0.0298	0.0215	-25.24	138.35	0.5155	0.0618	-8.20
5.05	0.0210	0.0174	-40.69	140.16	1.1416	0.0480	-5.98
0.02	0.0171	0.0133	32.15	142.63	1.2917	0.0580	-1.77
-0.04	0.0165	0.0124	37.98	145.78	1.3476	0.0601	-1.34
-0.02	0.0167	0.0129	36.64	142.52	1.3681	0.0621	-1.69
-0.02	0.0168	0.0131	36.99	0.22	1.1272	-0.0161	0.40
0.02	0.0170	0.0130	36.71				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00068 (CH 1562)

AZ = 46.32 DEGREES R = 11 FT 0.0 IN. V = 19 FT 1.8 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00068 (CH 1563)

AZ = 46.32 DEGREES R = 11 FT 0.0 IN. V = 19 FT 1.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 69 CHANNELS 1565 1566 1567

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	26.52	9.89	0.0257	0.0046	2.25
5.33	0.0049	0.0038	-10.87	19.55	0.0522	0.0076	2.45
12.31	0.0126	0.0090	-8.79	29.57	0.0791	0.0115	2.05
16.44	0.0182	0.0123	-7.61	39.42	0.1044	0.0159	1.78
20.51	0.0289	0.0150	-2.02	49.16	0.1288	0.0211	1.60
20.46	0.0314	0.0152	-0.97	54.50	0.1435	0.0239	1.84
20.47	0.0324	0.0159	-1.05	59.57	0.1567	0.0287	1.84
27.05	0.0554	0.0185	0.32	64.20	0.1735	0.0337	2.09
34.69	0.0859	0.0218	0.40	69.32	0.2004	0.0399	2.24
34.53	0.0899	0.0219	1.23	74.16	0.2433	0.0469	1.94
34.53	0.0910	0.0220	1.35	80.16	0.3272	0.0532	1.66
39.70	0.1078	0.0230	2.55	85.61	0.4117	0.0585	1.98
45.90	0.1331	0.0238	3.02	90.58	0.5277	0.0589	2.73
45.65	0.1356	0.0230	3.07	95.69	0.7095	0.0557	3.34
45.62	0.1362	0.0224	3.14	100.92	0.9019	0.0548	2.51
50.10	0.1485	0.0241	3.00	103.25	0.9798	0.0519	2.18
53.47	0.1591	0.0263	2.95	106.11	1.0424	0.0500	2.04
53.29	0.1609	0.0259	2.98	108.31	1.0862	0.0499	1.93
53.21	0.1615	0.0257	2.99	111.08	1.1487	0.0492	1.75
50.49	0.1590	0.0237	2.95	113.24	1.2017	0.0470	1.55
46.14	0.1517	0.0207	2.72	117.83	1.3224	0.0420	1.27
46.13	0.1512	0.0204	2.67	120.92	1.3953	0.0411	1.40
44.97	0.1481	0.0217	2.46	123.28	1.4553	0.0414	1.58
38.98	0.1364	0.0180	2.41	122.97	1.4654	0.0414	1.63
33.99	0.1252	0.0152	2.45	125.82	1.5381	0.0418	1.85
33.96	0.1248	0.0154	2.43	125.60	1.5548	0.0407	1.98
26.83	0.1075	0.0120	2.68	127.84	1.6069	0.0395	2.18
21.88	0.0951	0.0097	3.14	130.19	1.7099	0.0372	2.54
21.90	0.0952	0.0101	3.09	132.53	1.8501	0.0356	2.90
16.69	0.0828	0.0079	3.57	135.33	2.0432	0.0362	3.27
11.74	0.0697	0.0057	4.06	134.42	2.0946	0.0360	3.37
11.77	0.0687	0.0049	4.14	138.35	2.3810	0.0414	3.63
5.05	0.0508	0.0021	4.72	140.16	2.5775	0.0469	3.68
0.02	0.0380	0.0001	6.34	142.63	2.7297	0.0577	3.54
-0.04	0.0328	-0.0006	6.35	145.78	2.8308	0.0715	3.45
-0.02	0.0320	0.0002	6.29	142.52	2.8332	0.0713	3.42
-0.02	0.0318	0.0007	6.30	0.22	2.3488	0.0541	3.13
0.02	0.0311	0.0015	6.25				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00069 (CH 1565)

AZ = 82.98 DEGREES R = 11 FT 0.0 IN. V = 13 FT 2.4 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00069 (CH 1566)

AZ = 82.98 DEGREES R = 11 FT 0.0 IN. V = 13 FT 2.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 70 CHANNELS 1568 1569 1580

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	-9.78	9.89	0.0127	0.0065	21.31
5.33	0.0044	0.0024	15.39	19.55	0.0263	0.0141	18.43
12.31	0.0104	0.0059	14.19	29.57	0.0410	0.0230	18.16
16.44	0.0141	0.0081	13.85	39.42	0.0549	0.0327	18.08
20.51	0.0179	0.0114	13.46	49.16	0.0682	0.0427	18.48
20.46	0.0180	0.0125	15.71	54.50	0.0768	0.0491	19.07
20.47	0.0184	0.0131	12.67	59.57	0.0890	0.0542	20.87
27.05	0.0273	0.0148	20.51	64.20	0.1056	0.0590	22.56
34.69	0.0378	0.0205	22.55	69.32	0.1249	0.0640	23.04
34.53	0.0401	0.0221	25.25	74.16	0.1436	0.0687	22.45
34.53	0.0405	0.0226	26.33	80.16	0.1670	0.0722	24.48
39.70	0.0476	0.0270	27.16	85.61	0.1799	0.0733	24.47
45.90	0.0625	0.0346	30.77	90.58	0.1881	0.0728	24.13
45.65	0.0654	0.0368	32.83	95.69	0.1942	0.0712	23.46
45.62	0.0660	0.0373	32.98	100.92	0.1987	0.0683	22.65
50.10	0.0786	0.0450	33.51	103.25	0.2005	0.0673	22.35
53.47	0.0929	0.0516	31.22	106.11	0.2025	0.0660	22.00
53.29	0.0952	0.0522	31.32	108.31	0.2042	0.0647	21.74
53.21	0.0959	0.0524	31.40	111.08	0.2058	0.0626	21.31
50.49	0.0883	0.0574	25.07	113.24	0.2073	0.0609	20.94
46.14	0.0841	0.0544	25.14	117.83	0.2107	0.0560	20.18
46.13	0.0836	0.0538	24.94	120.92	0.2130	0.0528	19.78
44.97	0.0824	0.0514	23.00	123.28	0.2147	0.0506	19.25
38.98	0.0764	0.0472	22.82	122.97	0.2144	0.0489	19.17
33.99	0.0710	0.0430	24.03	125.82	0.2174	0.0466	18.88
33.96	0.0725	0.0416	26.12	125.60	0.2172	0.0449	18.81
26.83	0.0639	0.0358	26.91	127.84	0.2198	0.0441	18.72
21.88	0.0578	0.0319	28.25	130.19	0.2229	0.0417	18.48
21.90	0.0587	0.0316	29.45	132.53	0.2259	0.0391	18.32
16.69	0.0528	0.0276	31.35	135.33	0.2300	0.0366	18.25
11.74	0.0465	0.0234	33.96	134.42	0.2300	0.0347	18.28
11.77	0.0443	0.0240	33.05	138.35	0.2358	0.0342	18.41
5.05	0.0359	0.0183	37.46	140.16	0.2394	0.0341	18.48
0.02	0.0295	0.0137	41.94	142.63	0.2436	0.0351	18.45
-0.04	0.0202	0.0143	32.47	145.78	0.2488	0.0361	18.33
-0.02	0.0219	0.0122	36.54	142.52	0.2472	0.0312	18.16
-0.02	0.0221	0.0116	36.06	0.22	0.0577	-0.0872	14.59
0.02	0.0217	0.0112	34.18				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00070 (CH 1568)

AZ = 89.48 DEGREES R = 11 FT 0.0 IN. V = 11 FT 9.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00070 (CH 1569)

AZ = 89.48 DEGREES R = 11 FT 0.0 IN. V = 11 FT 9.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 71 CHANNELS 1581 1582 1583

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	0.0000	-35.84	9.89	0.0049	0.0039	-8.17
5.33	0.0029	0.0023	15.06	19.55	0.0094	0.0065	-3.21
12.31	0.0065	0.0056	4.25	29.57	0.0142	0.0099	-0.67
16.44	0.0088	0.0077	4.19	39.42	0.0188	0.0132	1.22
20.51	0.0114	0.0102	4.12	49.16	0.0234	0.0164	4.19
20.46	0.0119	0.0104	0.81	54.50	0.0255	0.0183	4.41
20.47	0.0123	0.0108	11.54	59.57	0.0272	0.0199	7.18
27.05	0.0149	0.0142	5.41	64.20	0.0286	0.0204	10.46
34.69	0.0189	0.0176	-4.31	69.32	0.0300	0.0212	14.35
34.53	0.0191	0.0183	15.26	74.16	0.0314	0.0212	16.16
34.53	0.0194	0.0184	19.56	80.16	0.0315	0.0213	15.75
39.70	0.0219	0.0196	22.20	85.61	0.0323	0.0208	13.64
45.90	0.0253	0.0210	22.87	90.58	0.0332	0.0198	12.09
45.65	0.0251	0.0206	23.97	95.69	0.0341	0.0183	11.30
45.62	0.0250	0.0204	22.83	100.92	0.0351	0.0167	10.27
50.10	0.0271	0.0214	22.52	103.25	0.0355	0.0163	9.90
53.47	0.0287	0.0215	22.57	106.11	0.0362	0.0154	9.82
53.29	0.0285	0.0213	22.32	108.31	0.0367	0.0150	9.43
53.21	0.0285	0.0210	22.77	111.08	0.0374	0.0141	9.29
50.49	0.0273	0.0197	23.65	113.24	0.0378	0.0135	9.44
46.14	0.0251	0.0178	24.79	117.83	0.0388	0.0120	9.42
46.13	0.0250	0.0174	24.25	120.92	0.0396	0.0115	9.24
44.97	0.0243	0.0161	24.05	123.28	0.0402	0.0109	9.21
38.98	0.0213	0.0134	24.92	122.97	0.0400	0.0107	9.21
33.99	0.0187	0.0114	26.23	125.82	0.0409	0.0102	9.19
33.96	0.0190	0.0114	24.95	125.60	0.0407	0.0101	9.33
26.83	0.0152	0.0084	25.66	127.84	0.0416	0.0101	9.06
21.88	0.0128	0.0066	27.26	130.19	0.0422	0.0097	9.11
21.90	0.0135	0.0067	29.24	132.53	0.0427	0.0095	9.24
16.69	0.0110	0.0049	31.94	135.33	0.0437	0.0094	9.87
11.74	0.0087	0.0031	35.39	134.42	0.0434	0.0093	10.07
11.77	0.0082	0.0031	33.83	138.35	0.0452	0.0094	10.24
5.05	0.0056	0.0003	39.08	140.16	0.0462	0.0098	10.66
0.02	0.0037	-0.0019	43.54	142.63	0.0476	0.0102	10.73
-0.04	0.0026	-0.0028	36.28	145.78	0.0496	0.0103	10.75
-0.02	0.0027	-0.0028	36.56	142.52	0.0483	0.0088	11.45
-0.02	0.0029	-0.0032	36.74	0.22	-0.0120	-0.0279	4.81
0.02	0.0027	-0.0032	35.86				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00071 (CH 1581)
 AZ = 89.98 DEGREES R = 11 FT 0.0 IN. V = 12 FT 1.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00071 (CH 1582)

AZ = 89.98 DEGREES R = 11 FT 0.0 IN. V = 12 FT 1.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 72 CHANNELS 1584 1585 1586

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	0.0001	19.27	9.89	0.0118	0.0045	-20.91
5.33	0.0033	0.0024	-4.05	19.55	0.0185	0.0096	-16.48
12.31	0.0071	0.0049	34.85	29.57	0.0564	0.0093	-20.62
16.44	0.0097	0.0076	19.74	39.42	0.0625	0.0143	-19.92
20.51	0.0143	0.0094	9.06	49.16	0.0665	0.0195	-19.06
20.46	0.0151	0.0095	7.25	54.50	0.0683	0.0222	-18.63
20.47	0.0167	0.0096	1.55	59.57	0.0685	0.0250	-17.83
27.05	0.0208	0.0138	4.39	64.20	0.0740	0.0262	-18.19
34.69	0.0242	0.0185	4.23	69.32	0.0738	0.0285	-17.80
34.53	0.0243	0.0184	4.64	74.16	0.0801	0.0293	-18.79
34.53	0.0289	0.0182	-8.59	80.16	0.0927	0.0272	-19.85
39.70	0.0322	0.0205	-8.76	85.61	0.0969	0.0272	-20.53
45.90	0.0363	0.0236	-9.57	90.58	0.0994	0.0274	-20.99
45.65	0.0399	0.0226	-13.14	95.69	0.1003	0.0274	-21.45
45.62	0.0410	0.0222	-13.62	100.92	0.0995	0.0279	-22.07
50.10	0.0438	0.0243	-13.10	103.25	0.1050	0.0268	-22.48
53.47	0.0470	0.0258	-13.79	106.11	0.1032	0.0275	-22.68
53.29	0.0482	0.0253	-14.14	108.31	0.1043	0.0276	-22.89
53.21	0.0490	0.0251	-14.73	111.08	0.1074	0.0272	-23.31
50.49	0.0493	0.0235	-15.52	113.24	0.1087	0.0271	-23.58
46.14	0.0484	0.0211	-16.26	117.83	0.1072	0.0275	-24.31
46.13	0.0504	0.0206	-16.95	120.92	0.1094	0.0273	-24.68
44.97	0.0725	0.0157	-19.85	123.28	0.1104	0.0274	-25.04
38.98	0.0831	0.0100	-20.69	122.97	0.1101	0.0271	-25.31
33.99	0.0827	0.0070	-20.94	125.82	0.1100	0.0277	-25.72
33.96	0.0831	0.0072	-20.90	125.60	0.1092	0.0275	-25.96
26.83	0.0812	0.0028	-21.20	127.84	0.1096	0.0277	-25.56
21.88	0.0800	0.0002	-21.31	130.19	0.1119	0.0272	-25.45
21.90	0.0847	0.0001	-21.30	132.53	0.1122	0.0275	-25.71
16.69	0.0878	-0.0035	-21.45	135.33	0.1131	0.0280	-26.01
11.74	0.0908	-0.0070	-21.66	134.42	0.1137	0.0273	-25.81
11.77	0.0939	-0.0076	-21.71	138.35	0.1158	0.0278	-25.44
5.05	0.0915	-0.0114	-21.89	140.16	0.1161	0.0285	-25.21
0.02	0.0890	-0.0137	-22.11	142.63	0.1200	0.0292	-25.33
-0.04	0.0945	-0.0147	-22.65	145.78	0.1226	0.0303	-25.23
-0.02	0.0946	-0.0149	-22.65	142.52	0.1216	0.0290	-25.17
-0.02	0.1050	-0.0167	-22.64	0.22	0.0219	-0.2241	-22.01
0.02	0.1282	-0.0212	-22.67				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00072 (CH 1584)

AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 13 FT 11.6 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00072 (CH 1585)

AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 13 FT 11.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 73 CHANNELS 1587 1588 1589

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0006	35.76	9.89	0.0046	0.0015	-27.71
5.33	0.0034	0.0015	-32.36	19.55	0.0109	0.0052	-32.62
12.31	0.0087	0.0040	-32.90	29.57	0.0176	0.0094	-35.79
16.44	0.0118	0.0060	-28.34	39.42	0.0236	0.0138	-39.25
20.51	0.0148	0.0090	-37.46	49.16	0.0291	0.0180	-41.53
20.46	0.0154	0.0096	-42.42	54.50	0.0325	0.0206	-43.21
20.47	0.0156	0.0095	-42.57	59.57	0.0364	0.0232	-40.47
27.05	0.0225	0.0110	12.66	64.20	0.0412	0.0257	-33.09
34.69	0.0316	0.0139	9.96	69.32	0.0476	0.0267	-29.21
34.53	0.0327	0.0144	8.77	74.16	0.0549	0.0263	-26.01
34.53	0.0332	0.0143	8.79	80.16	0.0626	0.0269	-26.07
39.70	0.0361	0.0168	11.12	85.61	0.0678	0.0270	-24.39
45.90	0.0392	0.0209	17.39	90.58	0.0727	0.0262	-24.07
45.65	0.0396	0.0209	18.07	95.69	0.0771	0.0252	-24.08
45.62	0.0396	0.0210	18.05	100.92	0.0806	0.0244	-23.71
50.10	0.0418	0.0235	23.07	103.25	0.0821	0.0241	-23.32
53.47	0.0438	0.0260	28.74	106.11	0.0840	0.0239	-22.98
53.29	0.0441	0.0261	29.84	108.31	0.0854	0.0236	-22.74
53.21	0.0442	0.0261	30.39	111.08	0.0871	0.0229	-22.34
50.49	0.0432	0.0254	30.33	113.24	0.0884	0.0224	-21.96
46.14	0.0410	0.0238	30.90	117.83	0.0915	0.0207	-21.18
46.13	0.0408	0.0238	32.01	120.92	0.0938	0.0196	-20.51
44.97	0.0397	0.0228	36.54	123.28	0.0957	0.0181	-20.09
38.98	0.0366	0.0207	37.77	122.97	0.0955	0.0176	-20.06
33.99	0.0340	0.0186	39.52	125.82	0.0980	0.0169	-19.59
33.96	0.0338	0.0187	39.56	125.60	0.0977	0.0159	-19.50
26.83	0.0296	0.0156	42.99	127.84	0.0997	0.0160	-19.25
21.88	0.0268	0.0133	43.90	130.19	0.1018	0.0148	-19.19
21.90	0.0271	0.0134	43.04	132.53	0.1041	0.0138	-18.95
16.69	0.0240	0.0117	43.30	135.33	0.1060	0.0139	-18.54
11.74	0.0211	0.0095	42.47	134.42	0.1052	0.0131	-18.50
11.77	0.0209	0.0097	41.42	138.35	0.1085	0.0142	-18.11
5.05	0.0171	0.0063	40.13	140.16	0.1099	0.0154	-18.03
0.02	0.0157	0.0047	35.99	142.63	0.1113	0.0173	-18.31
-0.04	0.0147	0.0045	37.51	145.78	0.1145	0.0190	-18.67
-0.02	0.0145	0.0045	39.46	142.52	0.1129	0.0155	-18.84
-0.02	0.0144	0.0045	40.03	0.22	0.0190	-0.0410	-17.24
0.02	0.0141	0.0046	42.50				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00073 (CH 1587)

AZ = 89.82 DEGREES R = 11 FT 0.0 IN. V = 14 FT 3 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00073 (CH 1588)
 AZ = 89.82 DEGREES R = 11 FT 0.0 IN. V = 14 FT 3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 74 CHANNELS 1600 1601 1602

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	29.58	9.89	0.0133	0.0051	-6.85
5.33	0.0046	0.0011	5.09	19.55	0.0264	0.0116	-8.06
12.31	0.0110	0.0031	1.94	29.57	0.0396	0.0184	-9.38
16.44	0.0153	0.0043	0.88	39.42	0.0516	0.0245	-11.31
20.51	0.0201	0.0060	-1.78	49.16	0.0631	0.0304	-12.11
20.46	0.0203	0.0062	-2.91	54.50	0.0697	0.0338	-12.82
20.47	0.0204	0.0059	-2.89	59.57	0.0771	0.0369	-13.60
27.05	0.0299	0.0099	-5.58	64.20	0.0857	0.0343	-15.12
34.69	0.0429	0.0207	-9.01	69.32	0.0958	0.0317	-17.79
34.53	0.0447	0.0224	-9.44	74.16	0.1071	0.0279	-19.00
34.53	0.0450	0.0229	-9.72	80.16	0.1221	0.0268	-22.42
39.70	0.0529	0.0289	-10.40	85.61	0.1405	0.0257	-21.37
45.90	0.0646	0.0348	-10.38	90.58	0.1825	0.0301	-15.62
45.65	0.0646	0.0343	-12.47	95.69	0.2310	0.0357	-9.32
45.62	0.0644	0.0340	-13.07	100.92	0.2745	0.0384	-4.16
50.10	0.0707	0.0360	-13.35	103.25	0.2872	0.0386	-3.13
53.47	0.0772	0.0367	-14.45	106.11	0.3035	0.0392	-1.66
53.29	0.0776	0.0358	-15.34	108.31	0.3160	0.0391	-0.62
53.21	0.0776	0.0353	-15.94	111.08	0.3332	0.0385	0.69
50.49	0.0754	0.0338	-16.49	113.24	0.3453	0.0380	1.56
46.14	0.0710	0.0314	-16.95	117.83	0.3730	0.0361	3.43
46.13	0.0708	0.0311	-16.88	120.92	0.3860	0.0350	4.09
44.97	0.0695	0.0290	-16.45	123.28	0.3947	0.0340	4.47
38.98	0.0630	0.0259	-16.88	122.97	0.3856	0.0331	4.52
33.99	0.0572	0.0229	-17.30	125.82	0.3970	0.0324	5.12
33.96	0.0572	0.0233	-16.83	125.60	0.4089	0.0313	5.25
26.83	0.0482	0.0183	-17.46	127.84	0.4155	0.0316	5.48
21.88	0.0419	0.0150	-18.07	130.19	0.4306	0.0299	6.15
21.90	0.0428	0.0158	-17.12	132.53	0.4511	0.0275	7.06
16.69	0.0366	0.0134	-18.13	135.33	0.4718	0.0256	7.81
11.74	0.0301	0.0106	-20.17	134.42	0.4750	0.0242	7.90
11.77	0.0300	0.0111	-20.55	138.35	0.4935	0.0252	8.45
5.05	0.0217	0.0068	-24.98	140.16	0.5114	0.0254	8.79
0.02	0.0158	0.0033	-29.67	142.63	0.5495	0.0274	9.31
-0.04	0.0152	0.0028	-24.32	145.78	0.6063	0.0273	10.02
-0.02	0.0151	0.0027	-23.09	142.52	0.6245	0.0222	10.22
-0.02	0.0152	0.0025	-22.15	0.22	0.3963	-0.0988	9.65
0.02	0.0146	0.0026	-19.54				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00074 (CH 1600)
 AZ = 89.87 DEGREES R = 11 FT 0.0 IN. V = 14 FT 8.4 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00074 (CH 1601)

AZ = 89.87 DEGREES R = 11 FT 0.0 IN. V = 14 FT 8.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 75 CHANNELS 1603 1604 1605

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0012	-0.0001	-26.16	9.89	0.0482	0.0027	4.26
5.33	0.0298	-0.0120	10.30	19.55	0.0644	0.0103	3.84
12.31	0.0556	-0.0120	5.18	29.57	0.0778	0.0184	4.55
16.44	0.0661	-0.0099	1.88	39.42	0.0917	0.0254	4.78
20.51	0.0768	-0.0071	-0.13	49.16	0.1040	0.0318	6.16
20.46	0.0806	-0.0062	-1.12	54.50	0.1129	0.0357	6.95
20.47	0.0833	-0.0056	-2.10	59.57	0.1325	0.0395	5.99
27.05	0.1023	0.0006	-2.74	64.20	0.1535	0.0435	6.07
34.69	0.1269	0.0106	-0.48	69.32	0.1757	0.0477	6.76
34.53	0.1350	0.0123	-0.97	74.16	0.2012	0.0522	7.19
34.53	0.1361	0.0128	-0.89	80.16	0.2262	0.0573	8.53
39.70	0.1491	0.0172	-0.32	85.61	0.2505	0.0615	10.25
45.90	0.1702	0.0235	-0.10	90.58	0.2741	0.0653	11.55
45.65	0.1730	0.0236	-0.55	95.69	0.3004	0.0694	12.47
45.62	0.1739	0.0236	-0.68	100.92	0.3299	0.0741	12.81
50.10	0.1854	0.0268	-0.50	103.25	0.3422	0.0765	12.97
53.47	0.1969	0.0299	-0.08	106.11	0.3554	0.0788	13.02
53.29	0.1988	0.0301	-0.02	108.31	0.3662	0.0807	12.91
53.21	0.2003	0.0301	-0.14	111.08	0.3802	0.0833	12.78
50.49	0.1997	0.0294	-0.42	113.24	0.3899	0.0848	12.75
46.14	0.1963	0.0274	-0.77	117.83	0.4165	0.0892	12.04
46.13	0.1985	0.0271	-1.17	120.92	0.4349	0.0927	11.29
44.97	0.2029	0.0271	-1.65	123.28	0.4485	0.0950	10.75
38.98	0.1993	0.0243	-2.34	122.97	0.4504	0.0954	10.61
33.99	0.1945	0.0212	-2.65	125.82	0.4641	0.0974	9.95
33.96	0.1960	0.0212	-2.90	125.60	0.4664	0.0978	9.78
26.83	0.1901	0.0160	-3.53	127.84	0.4753	0.0991	9.34
21.88	0.1854	0.0119	-3.87	130.19	0.4948	0.1002	8.33
21.90	0.1885	0.0121	-4.27	132.53	0.5311	0.1009	6.77
16.69	0.1825	0.0082	-4.62	135.33	0.5932	0.1006	4.63
11.74	0.1769	0.0035	-5.21	134.42	0.6087	0.1005	4.03
11.77	0.1758	0.0021	-5.40	138.35	0.6914	0.1002	2.65
5.05	0.1575	-0.0057	-5.09	140.16	0.7775	0.0993	1.50
0.02	0.1282	-0.0049	-8.44	142.63	0.9432	0.0990	0.01
-0.04	0.1174	-0.0054	-8.05	145.78	1.0985	0.1025	-1.08
-0.02	0.1181	-0.0049	-7.52	142.52	1.1229	0.1027	-1.21
-0.02	0.1181	-0.0048	-7.42	0.22	0.7177	-0.0022	-2.56
0.02	0.1217	-0.0052	-8.06				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00075 (CH 1603)

AZ = 89.78 DEGREES R = 11 FT 0.0 IN. V = 17 FT 8.7 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00075 (CH 1604)
AZ = 89.78 DEGREES R = 11 FT 0.0 IN. V = 17 FT 8.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 76 CHANNELS 1606 1607 1608

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0002	5.38	9.89	0.0321	-0.1186	22.00
5.33	0.0033	0.0021	3.44	19.55	0.0422	-0.1092	21.30
12.31	0.0078	0.0050	3.03	29.57	0.0495	-0.0832	20.27
16.44	0.0110	0.0070	8.27	39.42	0.0565	-0.0576	18.96
20.51	0.0156	0.0099	9.64	49.16	0.0628	-0.0299	16.90
20.46	0.0167	0.0107	16.30	54.50	0.0682	-0.0215	16.08
20.47	0.0174	0.0111	21.37	59.57	0.0741	-0.0132	15.24
27.05	0.0254	0.0169	20.39	64.20	0.0811	-0.0058	14.53
34.69	0.0350	0.0232	11.74	69.32	0.0898	-0.0024	14.19
34.53	0.0363	0.0253	11.05	74.16	0.0975	0.0062	13.43
34.53	0.0368	0.0257	10.88	80.16	0.1055	0.0141	11.73
39.70	0.0423	0.0290	5.13	85.61	0.1142	0.0215	11.04
45.90	0.0517	0.0334	-1.12	90.58	0.1221	0.0287	10.48
45.65	0.0522	0.0323	-1.84	95.69	0.1306	0.0374	9.87
45.62	0.0519	0.0318	-1.54	100.92	0.1399	0.0463	9.24
50.10	0.0574	0.0342	-1.62	103.25	0.1439	0.0517	8.78
53.47	0.0629	0.0366	-0.27	106.11	0.1488	0.0563	9.72
53.29	0.0636	0.0368	-1.17	108.31	0.1527	0.0594	8.74
53.21	0.0638	0.0366	-1.35	111.08	0.1582	0.0641	8.77
50.49	0.0621	0.0359	-1.03	113.24	0.1625	0.0675	8.86
46.14	0.0585	0.0339	-0.49	117.83	0.1732	0.0747	9.26
46.13	0.0583	0.0336	-1.48	120.92	0.1814	0.0793	9.86
44.97	0.0582	0.0342	-0.54	123.28	0.1895	0.0828	10.41
38.98	0.0531	0.0314	1.48	122.97	0.1905	0.0831	10.73
33.99	0.0484	0.0287	3.44	125.82	0.2018	0.0845	11.02
33.96	0.0482	0.0289	3.75	125.60	0.2039	0.0835	11.45
26.83	0.0412	0.0249	6.87	127.84	0.2120	0.0837	11.70
21.88	0.0364	0.0226	8.38	130.19	0.2266	0.0833	9.51
21.90	0.0365	0.0234	10.41	132.53	0.2595	0.0820	7.06
16.69	0.0314	0.0206	12.02	135.33	0.3252	0.0894	3.91
11.74	0.0260	0.0171	14.26	134.42	0.3497	0.0903	3.68
11.77	0.0248	0.0156	11.95	138.35	0.5373	0.1040	1.14
5.05	0.0178	0.0107	16.25	140.16	0.7437	0.1142	0.60
0.02	0.0122	0.0075	19.61	142.63	0.9441	0.1305	0.79
-0.04	0.0098	0.0058	2.97	145.78	1.0716	0.1458	0.67
-0.02	0.0104	0.0062	12.56	142.52	1.0954	0.1452	0.65
-0.02	0.0105	0.0064	13.72	0.22	0.7036	0.1126	4.23
0.02	0.0115	0.0054	25.27				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00076 (CH 1606)
 AZ = 133.65 DEGREES R = 11 FT 0.0 IN. V = 12 FT 11.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00076 (CH 1607)

AZ = 133.65 DEGREES R = 11 FT 0.0 IN. V = 12 FT 11.1 IN.

Journal of Management Studies, 19(6), 701-718.

[illegible]

Structural Integrity Test				High Pressure Test			
Pressure	Maximum	Minimum	Angle	Pressure	Maximum	Minimum	Angle
psig	%Strain	%Strain	Degrees	psig	%Strain	%Strain	Degrees
-0.05	0.0005	0.0002	-21.99	9.89	0.0024	-0.0091	-9.11
5.33	0.0013	-0.0009	-8.46	19.55	0.0135	-0.0019	3.45
12.31	0.0078	0.0026	-20.38	29.57	0.0256	0.0039	8.53
16.44	0.0118	0.0054	-21.48	39.42	0.0367	0.0079	8.91
20.51	0.0155	0.0098	-28.80	49.16	0.0467	0.0112	9.13
20.46	0.0156	0.0110	-30.76	54.50	0.0527	0.0129	9.27
20.47	0.0160	0.0117	-34.39	59.57	0.0593	0.0148	9.17
27.05	0.0221	0.0184	25.35	64.20	0.0662	0.0159	8.50
34.69	0.0321	0.0254	18.62	69.32	0.0743	0.0166	8.20
34.53	0.0347	0.0258	17.69	74.16	0.0831	0.0172	8.06
34.53	0.0351	0.0259	16.69	80.16	0.0926	0.0176	8.36
39.70	0.0420	0.0290	19.28	85.61	0.1023	0.0181	8.59
45.90	0.0520	0.0305	13.75	90.58	0.1122	0.0184	8.71
45.65	0.0519	0.0299	13.73	95.69	0.1234	0.0186	8.87
45.62	0.0515	0.0296	13.32	100.92	0.1358	0.0186	9.05
50.10	0.0567	0.0312	12.88	103.25	0.1418	0.0187	9.26
53.47	0.0614	0.0320	12.31	106.11	0.1487	0.0190	9.52
53.29	0.0619	0.0315	12.11	108.31	0.1540	0.0193	9.68
53.21	0.0620	0.0314	12.07	111.08	0.1619	0.0197	9.85
50.49	0.0605	0.0293	11.19	113.24	0.1676	0.0202	10.04
46.14	0.0575	0.0261	10.97	117.83	0.1799	0.0219	10.52
46.13	0.0571	0.0258	11.13	120.92	0.1889	0.0232	11.05
44.97	0.0570	0.0263	10.79	123.28	0.1985	0.0232	11.25
38.98	0.0523	0.0222	10.76	122.97	0.2001	0.0230	11.31
33.99	0.0477	0.0195	11.45	125.82	0.2135	0.0242	11.97
33.96	0.0476	0.0194	11.55	125.60	0.2170	0.0248	12.06
26.83	0.0406	0.0160	11.30	127.84	0.2272	0.0266	12.37
21.88	0.0353	0.0139	10.49	130.19	0.2520	0.0308	12.59
21.90	0.0360	0.0143	10.91	132.53	0.2837	0.0355	12.65
16.69	0.0307	0.0105	9.11	135.33	0.3309	0.0390	13.10
11.74	0.0249	0.0067	6.42	134.42	0.3421	0.0391	13.14
11.77	0.0233	0.0068	6.09	138.35	0.4266	0.0390	13.28
5.05	0.0195	0.0063	-0.80	140.16	0.5029	0.0377	13.28
0.02	0.0214	0.0165	-28.17	142.63	0.6116	0.0409	13.03
-0.04	0.0190	0.0149	25.89	145.78	0.7107	0.0465	13.43
-0.02	0.0198	0.0152	-26.25	142.52	0.7278	0.0457	13.42
-0.02	0.0204	0.0154	-24.96	0.22	0.4907	-0.0028	14.43
0.02	0.0205	0.0151	-22.57				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00077 (CH 1609)

AZ = 157.85 DEGREES R = 11 FT 0.0 IN. V = 12 FT 10.4 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00077 (CH 1620)

AZ = 157.85 DEGREES R = 11 FT 0.0 IN. V = 12 FT 10.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 78 CHANNELS 301 302 303

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0020	-0.0051	-38.55	9.89	0.0253	0.0015	-42.70
5.33	0.0077	-0.0025	-43.93	19.55	0.0513	-0.0029	-36.49
12.31	0.0482	-0.2013	-23.40	29.57	0.0787	-0.0121	-34.74
16.44	0.0540	-0.2005	-23.47	39.42	0.1055	-0.0230	-33.55
20.51	0.0641	-0.2005	-23.52	49.16	0.1309	-0.0342	-32.85
20.46	0.0666	-0.2020	-23.70	54.50	0.1454	-0.0396	-32.45
20.47	0.0687	-0.2019	-23.71	59.57	0.1609	-0.0369	-30.12
27.05	0.0906	-0.2072	-24.44	64.20	0.1764	-0.0342	-28.05
34.69	0.1201	-0.2164	-25.38	69.32	0.1934	-0.0346	-26.18
34.53	0.1241	-0.2169	-25.56	74.16	0.2100	-0.0333	-24.24
34.53	0.1247	-0.2165	-25.58	80.16	0.2266	-0.0356	-22.49
39.70	0.1404	-0.2233	-25.99	85.61	0.2450	-0.0374	-20.66
45.90	0.1624	-0.2315	-26.43	90.58	0.2620	-0.0383	-19.20
45.65	0.1627	-0.2300	-26.40	95.69	0.2809	-0.0406	-17.83
45.62	0.1625	-0.2294	-26.42	100.92	0.3004	-0.0431	-16.50
50.10	0.1753	-0.2324	-26.30	103.25	0.3094	-0.0454	-16.13
53.47	0.1879	-0.2335	-26.01	106.11	0.3195	-0.0470	-15.49
53.29	0.1885	-0.2324	-25.88	108.31	0.3275	-0.0469	-14.85
53.21	0.1880	-0.2322	-25.88	111.08	0.3394	-0.0496	-14.24
50.49	0.1838	-0.2296	-25.79	113.24	0.3491	-0.0510	-13.73
46.14	0.1752	-0.2258	-25.71	117.83	0.3730	-0.0527	-12.19
46.13	0.1739	-0.2251	-25.66	120.92	0.3909	-0.0555	-11.50
44.97	0.1732	-0.2258	-25.69	123.28	0.4074	-0.0571	-11.00
38.98	0.1608	-0.2196	-25.36	122.97	0.4115	-0.0578	-10.99
33.99	0.1474	-0.2159	-25.20	125.82	0.4316	-0.0608	-10.60
33.96	0.1476	-0.2157	-25.29	125.60	0.4394	-0.0622	-10.73
26.83	0.1294	-0.2102	-24.92	127.84	0.4535	-0.0674	-10.91
21.88	0.1163	-0.2062	-24.44	130.19	0.4877	-0.0744	-11.19
21.90	0.1179	-0.2070	-24.58	132.53	0.5354	-0.0845	-11.51
16.69	0.1047	-0.2031	-24.05	135.33	0.6044	-0.0956	-11.69
11.74	0.0920	-0.2007	-23.58	134.42	0.6223	-0.0965	-11.69
11.77	0.0895	-0.2006	-23.53	138.35	0.7238	-0.1019	-10.03
5.05	0.0732	-0.1996	-22.58	140.16	0.8196	-0.1031	-8.28
0.02	0.0599	-0.2009	-21.50	142.63	0.9730	-0.1090	-5.76
-0.04	0.0552	-0.2027	-21.41	145.78	1.1111	-0.1145	-4.13
-0.02	0.0560	-0.2028	-21.40	142.52	1.1488	-0.1139	-3.63
-0.02	0.0564	-0.2042	-21.48	0.22	0.8139	-0.0734	0.41
0.02	0.0563	-0.2021	-21.29				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00078 (CH 0301)

AZ = 159.67 DEGREES R = 11 FT 0.0 IN. V = 12 FT 10.4 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00078 (CH 0302)

AZ = 159.67 DEGREES R = 11 FT 0.0 IN. V = 12 FT 10.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 79 CHANNELS 1622 1623 1624

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0001	9.14	9.89	0.0016	-0.0048	-23.29
5.33	0.0015	-0.0042	36.23	19.55	0.0008	-0.0045	-19.81
12.31	-0.0007	-0.0033	-39.84	29.57	-0.0010	-0.0041	-28.71
16.44	-0.0003	-0.0017	6.23	39.42	-0.0018	-0.0044	33.07
20.51	0.0017	-0.0020	24.33	49.16	-0.0012	-0.0057	20.69
20.46	0.0018	-0.0019	28.33	54.50	-0.0006	-0.0057	18.08
20.47	0.0019	-0.0020	29.20	59.57	-0.0003	-0.0064	17.52
27.05	0.0028	-0.0022	39.84	64.20	-0.0002	-0.0065	17.17
34.69	0.0026	-0.0022	-43.56	69.32	-0.0007	-0.0068	18.59
34.53	0.0023	-0.0019	-40.76	74.16	-0.0017	-0.0072	21.85
34.53	0.0024	-0.0019	-40.30	80.16	-0.0042	-0.0075	33.44
39.70	0.0021	-0.0022	-41.65	85.61	-0.0056	-0.0082	-44.58
45.90	0.0009	-0.0028	41.33	90.58	-0.0066	-0.0095	-32.92
45.65	0.0009	-0.0030	36.34	95.69	-0.0074	-0.0112	-20.10
45.62	0.0008	-0.0030	36.55	100.92	-0.0081	-0.0138	-13.13
50.10	0.0004	-0.0033	35.14	103.25	-0.0083	-0.0149	-10.07
53.47	0.0000	-0.0034	32.85	106.11	-0.0086	-0.0162	-8.27
53.29	0.0000	-0.0033	29.40	108.31	-0.0088	-0.0174	-7.45
53.21	0.0001	-0.0033	29.80	111.08	-0.0091	-0.0195	-6.70
50.49	0.0003	-0.0033	25.94	113.24	-0.0094	-0.0212	-5.96
46.14	0.0007	-0.0036	21.36	117.83	-0.0099	-0.0257	-5.55
46.13	0.0007	-0.0036	21.03	120.92	-0.0102	-0.0289	-5.19
44.97	0.0002	-0.0033	13.13	123.28	-0.0104	-0.0322	-5.79
38.98	0.0012	-0.0045	11.96	122.97	-0.0105	-0.0331	-6.35
33.99	0.0021	-0.0052	8.40	125.82	-0.0104	-0.0370	-8.06
33.96	0.0021	-0.0051	8.04	125.60	-0.0102	-0.0382	-9.10
26.83	0.0037	-0.0061	3.95	127.84	-0.0103	-0.0404	-9.89
21.88	0.0047	-0.0066	1.17	130.19	-0.0099	-0.0452	-12.31
21.90	0.0044	-0.0063	1.90	132.53	-0.0096	-0.0502	-14.25
16.69	0.0054	-0.0069	-0.03	135.33	-0.0095	-0.0548	-14.10
11.74	0.0060	-0.0069	1.19	134.42	-0.0095	-0.0554	-13.99
5.05	0.0061	-0.0072	2.44	138.35	-0.0106	-0.0594	-13.32
0.02	0.0048	-0.0072	2.63	140.16	-0.0127	-0.0592	-12.06
-0.04	0.0023	-0.0061	10.05	142.63	-0.0159	-0.0563	-7.43
-0.02	0.0029	-0.0043	13.12	145.78	-0.0139	-0.0539	-2.81
-0.02	0.0029	-0.0043	14.86	142.52	-0.0115	-0.0518	-3.34
0.02	0.0029	-0.0044	15.28	0.22	0.0293	-0.0246	39.17
0.02	0.0029	-0.0050	12.29				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00079 (CH 1622)

AZ = 161.27 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.7 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00079 (CH 1623)

AZ = 161.27 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 80 CHANNELS 1625 1626 1627

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	-0.0009	44.18	9.89	0.0039	-0.0031	-37.43
5.33	0.0016	-0.0048	-32.24	19.55	0.0043	-0.0064	-37.62
12.31	0.0027	-0.0050	-35.03	29.57	0.0021	-0.0058	-32.25
16.44	0.0026	-0.0044	-33.79	39.42	0.0014	-0.0053	-26.69
20.51	0.0024	-0.0038	-32.05	49.16	0.0008	-0.0045	5.68
20.46	0.0033	-0.0043	-33.92	54.50	0.0023	-0.0058	21.02
20.47	0.0032	-0.0045	-34.22	59.57	0.0036	-0.0073	27.26
27.05	0.0015	-0.0032	-11.04	64.20	0.0091	-0.0128	36.38
34.69	0.0018	-0.0046	21.87	69.32	0.0104	-0.0151	38.53
34.53	0.0013	-0.0043	15.75	74.16	0.0123	-0.0181	40.93
34.53	0.0013	-0.0043	15.86	80.16	0.0221	-0.0306	44.78
39.70	0.0024	-0.0063	30.14	85.61	0.0230	-0.0335	-44.33
45.90	0.0034	-0.0092	38.77	90.58	0.0228	-0.0350	-43.31
45.65	0.0026	-0.0087	40.25	95.69	0.0215	-0.0359	-42.03
45.62	0.0030	-0.0090	41.21	100.92	0.0207	-0.0376	-40.70
50.10	0.0040	-0.0109	42.62	103.25	0.0250	-0.0430	-40.63
53.47	0.0049	-0.0121	44.27	106.11	0.0266	-0.0460	-40.32
53.29	0.0044	-0.0115	44.98	108.31	0.0264	-0.0471	-40.01
53.21	0.0045	-0.0115	-44.56	111.08	0.0284	-0.0509	-39.66
50.49	0.0036	-0.0103	-43.19	113.24	0.0353	-0.0595	-40.10
46.14	0.0026	-0.0094	-40.77	117.83	0.0358	-0.0633	-39.24
46.13	0.0030	-0.0098	-41.03	120.92	0.0359	-0.0657	-38.55
44.97	0.0013	-0.0072	-38.59	123.28	0.0369	-0.0689	-37.94
38.98	0.0014	-0.0078	-34.80	122.97	0.0401	-0.0723	-38.13
33.99	0.0010	-0.0078	-30.63	125.82	0.0552	-0.0896	-38.98
33.96	0.0010	-0.0077	-30.50	125.60	0.0558	-0.0906	-38.86
26.83	0.0000	-0.0069	-22.17	127.84	0.0562	-0.0923	-38.56
21.88	-0.0004	-0.0060	-8.09	130.19	0.0572	-0.0958	-38.04
21.90	-0.0004	-0.0061	-16.02	132.53	0.0573	-0.0985	-37.43
16.69	0.0001	-0.0053	-1.02	135.33	0.0616	-0.1058	-37.27
11.74	0.0018	-0.0049	14.82	134.42	0.0648	-0.1095	-37.41
11.77	0.0015	-0.0047	8.52	138.35	0.0632	-0.1115	-36.85
5.05	0.0039	-0.0044	19.87	140.16	0.0619	-0.1115	-36.63
0.02	0.0034	-0.0053	19.81	142.63	0.0630	-0.1131	-36.89
-0.04	0.0050	-0.0080	28.31	145.78	0.0643	-0.1139	-36.98
-0.02	0.0055	-0.0083	29.83	142.52	0.0648	-0.1126	-36.89
-0.02	0.0050	-0.0078	28.47	0.22	0.0518	-0.0248	-37.66
0.02	0.0023	-0.0058	13.52				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00080 (CH 1625)

AZ = 161.75 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.7 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00080 (CH 1626)
AZ = 161.75 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 81 CHANNELS 1628 1629 1640

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0003	34.18	9.89	0.0163	0.0046	-12.91
5.33	0.0067	0.0036	-28.25	19.55	0.0309	0.0108	-9.73
12.31	0.0109	0.0028	7.71	29.57	0.0452	0.0169	-7.88
16.44	0.0143	0.0019	14.96	39.42	0.0586	0.0225	-6.84
20.51	0.0184	0.0077	-4.70	49.16	0.0710	0.0275	-5.89
20.46	0.0187	0.0088	-9.09	54.50	0.0778	0.0299	-5.10
20.47	0.0192	0.0092	-10.64	59.57	0.0835	0.0308	-2.65
27.05	0.0298	0.0158	-22.79	64.20	0.0892	0.0309	-0.13
34.69	0.0433	0.0237	-20.15	69.32	0.0947	0.0333	3.01
34.53	0.0454	0.0253	-20.02	74.16	0.0984	0.0350	4.04
34.53	0.0460	0.0257	-20.29	80.16	0.1050	0.0313	6.33
39.70	0.0532	0.0288	-16.47	85.61	0.1130	0.0282	8.58
45.90	0.0652	0.0320	-9.17	90.58	0.1215	0.0244	10.16
45.65	0.0655	0.0311	-8.09	95.69	0.1334	0.0180	11.45
45.62	0.0654	0.0308	-7.74	100.92	0.1462	0.0113	12.62
50.10	0.0717	0.0319	-5.14	103.25	0.1532	0.0084	12.90
53.47	0.0773	0.0324	-3.02	106.11	0.1611	0.0042	13.32
53.29	0.0774	0.0323	-2.36	108.31	0.1679	0.0011	13.58
53.21	0.0775	0.0318	-2.19	111.08	0.1788	-0.0040	13.91
50.49	0.0750	0.0310	-2.39	113.24	0.1879	-0.0080	14.03
46.14	0.0706	0.0295	-1.89	117.83	0.2132	-0.0184	14.26
46.13	0.0702	0.0291	-1.80	120.92	0.2359	-0.0254	14.27
44.97	0.0700	0.0294	-2.12	123.28	0.2601	-0.0318	14.20
38.98	0.0632	0.0272	-2.10	122.97	0.2660	-0.0329	14.17
33.99	0.0570	0.0249	-2.22	125.82	0.2982	-0.0403	14.15
33.96	0.0568	0.0251	-2.09	125.60	0.3075	-0.0415	14.10
26.83	0.0478	0.0214	-1.32	127.84	0.3284	-0.0459	14.07
21.88	0.0414	0.0189	-0.65	130.19	0.3700	-0.0537	13.78
21.90	0.0416	0.0194	-0.71	132.53	0.4260	-0.0651	13.39
16.69	0.0355	0.0165	-0.34	135.33	0.5042	-0.0821	13.13
11.74	0.0292	0.0132	1.31	134.42	0.5237	-0.0860	13.10
11.77	0.0284	0.0123	1.00	138.35	0.6362	-0.1131	12.73
5.05	0.0192	0.0068	7.26	140.16	0.7443	-0.1392	12.53
0.02	0.0111	0.0004	24.55	142.63	0.9045	-0.1788	12.44
-0.04	0.0105	-0.0012	23.97	145.78	1.0388	-0.2122	12.50
-0.02	0.0106	-0.0012	24.11	142.52	1.0606	-0.2184	12.63
-0.02	0.0107	-0.0010	24.70	0.22	0.6950	-0.3013	15.28
0.02	0.0105	-0.0009	24.61				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00081 (CH 1628)
 AZ = 165.4 DEGREES R = 11 FT 0.0 IN. V = 15 FT 9.4 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00081 (CH 1629)

AZ = 165.4 DEGREES R = 11 FT 0.0 IN. V = 15 FT 9.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 82 CHANNELS 1641 1642 1643

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0001	-30.59	9.89	0.0019	-0.0160	5.95
5.33	-0.0007	-0.0050	8.67	19.55	0.0040	-0.0215	-3.50
12.31	-0.0010	-0.0109	7.57	29.57	0.0071	-0.0257	-8.00
16.44	-0.0002	-0.0131	5.46	39.42	0.0101	-0.0279	-10.02
20.51	0.0007	-0.0153	3.75	49.16	0.0128	-0.0289	-11.72
20.46	0.0009	-0.0154	4.10	54.50	0.0146	-0.0296	-12.39
20.47	0.0010	-0.0153	3.11	59.57	0.0171	-0.0298	-14.08
27.05	0.0028	-0.0184	-0.80	64.20	0.0200	-0.0304	-15.66
34.69	0.0105	-0.0218	-10.94	69.32	0.0237	-0.0309	-18.10
34.53	0.0120	-0.0217	-12.10	74.16	0.0268	-0.0315	-19.41
34.53	0.0122	-0.0217	-12.11	80.16	0.0310	-0.0327	-21.70
39.70	0.0142	-0.0228	-13.27	85.61	0.0349	-0.0340	-23.11
45.90	0.0179	-0.0250	-14.08	90.58	0.0392	-0.0357	-24.47
45.65	0.0184	-0.0250	-14.51	95.69	0.0434	-0.0376	-25.65
45.62	0.0183	-0.0247	-14.55	100.92	0.0485	-0.0403	-26.86
50.10	0.0200	-0.0256	-15.45	103.25	0.0506	-0.0415	-27.34
53.47	0.0216	-0.0262	-16.42	106.11	0.0534	-0.0432	-27.91
53.29	0.0220	-0.0262	-16.65	108.31	0.0551	-0.0444	-28.26
53.21	0.0218	-0.0260	-16.72	111.08	0.0582	-0.0464	-28.77
50.49	0.0214	-0.0257	-16.75	113.24	0.0605	-0.0481	-29.23
46.14	0.0205	-0.0251	-16.86	117.83	0.0659	-0.0524	-30.06
46.13	0.0203	-0.0251	-16.98	120.92	0.0697	-0.0554	-30.51
44.97	0.0197	-0.0251	-17.46	123.28	0.0724	-0.0581	-30.86
38.98	0.0185	-0.0245	-17.22	122.97	0.0730	-0.0585	-31.00
33.99	0.0171	-0.0236	-17.08	125.82	0.0782	-0.0622	-31.22
33.96	0.0170	-0.0234	-17.26	125.60	0.0795	-0.0631	-31.25
26.83	0.0151	-0.0219	-16.85	127.84	0.0830	-0.0657	-31.17
21.88	0.0138	-0.0205	-16.56	130.19	0.0918	-0.0714	-30.77
21.90	0.0137	-0.0205	-16.38	132.53	0.1071	-0.0789	-29.86
16.69	0.0120	-0.0185	-16.38	135.33	0.1271	-0.0879	-28.63
11.74	0.0096	-0.0148	-14.65	134.42	0.1318	-0.0899	-28.35
11.77	0.0095	-0.0147	-14.13	138.35	0.1539	-0.0992	-27.56
5.05	0.0066	-0.0089	-9.45	140.16	0.1688	-0.1046	-27.29
0.02	0.0074	-0.0032	-14.20	142.63	0.1895	-0.1128	-27.71
-0.04	0.0071	-0.0022	-22.16	145.78	0.2086	-0.1210	-28.63
-0.02	0.0077	-0.0016	-26.07	142.52	0.2108	-0.1233	-29.16
-0.02	0.0081	-0.0016	-26.65	0.22	0.0695	-0.0448	-21.16
0.02	0.0081	-0.0016	-26.65				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00082 (CH 1641)

AZ = 166.77 DEGREES R = 11 FT 0.0 IN. V = 15 FT 0.24 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00082 (CH 1642)

AZ = 166.77 DEGREES R = 11 FT 0.0 IN. V = 15 FT 0.24 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 83 CHANNELS 1644 1645 1646

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0002	-38.99	9.89	0.0067	-0.0051	-42.81
5.33	0.0028	-0.0014	-40.59	19.55	0.0096	-0.0106	39.63
12.31	0.0034	-0.0041	-40.87	29.57	0.0124	-0.0143	36.46
16.44	0.0037	-0.0052	-42.18	39.42	0.0149	-0.0169	34.78
20.51	0.0040	-0.0066	-42.98	49.16	0.0176	-0.0188	33.78
20.46	0.0041	-0.0063	-44.10	54.50	0.0193	-0.0198	33.32
20.47	0.0041	-0.0065	-43.87	59.57	0.0212	-0.0208	32.31
27.05	0.0057	-0.0087	42.62	64.20	0.0239	-0.0221	30.74
34.69	0.0140	-0.0136	37.77	69.32	0.0268	-0.0234	29.19
34.53	0.0155	-0.0140	36.88	74.16	0.0296	-0.0249	27.95
34.53	0.0156	-0.0139	36.46	80.16	0.0332	-0.0259	26.16
39.70	0.0175	-0.0157	35.30	85.61	0.0364	-0.0275	25.01
45.90	0.0219	-0.0185	31.87	90.58	0.0392	-0.0284	24.11
45.65	0.0222	-0.0183	31.33	95.69	0.0418	-0.0310	24.50
45.62	0.0225	-0.0186	31.41	100.92	0.0447	-0.0332	24.19
50.10	0.0237	-0.0194	30.95	103.25	0.0459	-0.0339	23.90
53.47	0.0251	-0.0201	30.23	106.11	0.0473	-0.0347	23.58
53.29	0.0254	-0.0197	29.84	108.31	0.0483	-0.0356	23.34
53.21	0.0255	-0.0200	29.77	111.08	0.0498	-0.0366	23.04
50.49	0.0252	-0.0196	29.53	113.24	0.0511	-0.0377	22.84
46.14	0.0246	-0.0192	29.14	117.83	0.0542	-0.0408	22.54
46.13	0.0247	-0.0193	29.24	120.92	0.0564	-0.0427	22.49
44.97	0.0240	-0.0195	29.30	123.28	0.0586	-0.0449	22.61
38.98	0.0232	-0.0189	28.74	122.97	0.0591	-0.0452	22.59
33.99	0.0223	-0.0180	27.95	125.82	0.0631	-0.0480	22.75
33.96	0.0221	-0.0177	28.07	125.60	0.0637	-0.0486	22.79
26.83	0.0204	-0.0162	27.21	127.84	0.0662	-0.0499	22.63
21.88	0.0187	-0.0142	26.94	130.19	0.0719	-0.0526	21.99
21.90	0.0188	-0.0141	27.37	132.53	0.0786	-0.0593	23.18
16.69	0.0170	-0.0117	27.72	135.33	0.0862	-0.0663	24.02
11.74	0.0151	-0.0086	29.36	134.42	0.0873	-0.0666	23.99
11.77	0.0148	-0.0082	29.93	138.35	0.0937	-0.0748	25.46
5.05	0.0124	-0.0033	31.51	140.16	0.0979	-0.0804	26.47
0.02	0.0097	-0.0016	21.11	142.63	0.1043	-0.0832	26.98
-0.04	0.0093	-0.0023	18.23	145.78	0.1103	-0.0833	27.01
-0.02	0.0093	-0.0023	18.18	142.52	0.1105	-0.0807	26.82
-0.02	0.0094	-0.0022	17.69	0.22	0.0205	-0.0709	29.93
0.02	0.0089	-0.0022	17.03				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00083 (CH 1644)

AZ = 167.28 DEGREES R = 11 FT 0.0 IN. V = 15 FT 5.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00083 (CH 1645)

AZ = 167.28 DEGREES R = 11 FT 0.0 IN. V = 15 FT 5.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 84 CHANNELS 1647 1648 1649

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0038	-0.0219	22.63	9.89	2.1506	-0.3802	22.54
5.33	0.0073	-0.0411	23.03	19.55	2.1249	-0.3757	22.57
12.31	0.0208	-0.1159	22.83	29.57	2.1392	-0.3776	22.65
16.44	0.0223	-0.1204	22.86	39.42	2.1284	-0.3744	22.73
20.51	0.0230	-0.1222	22.76	49.16	2.1224	-0.3728	22.78
20.46	0.0233	-0.1239	22.71	54.50	2.1244	-0.3728	22.81
20.47	0.0236	-0.1250	22.69	59.57	2.1259	-0.3730	22.83
27.05	0.0257	-0.1351	22.34	64.20	2.1247	-0.3729	22.85
34.69	0.0469	-0.2431	21.55	69.32	2.1228	-0.3728	22.87
34.53	0.0476	-0.2464	21.47	74.16	2.1217	-0.3730	22.90
34.53	0.0481	-0.2490	21.46	80.16	2.1101	-0.3711	22.92
39.70	0.0581	-0.3010	21.29	85.61	2.1081	-0.3711	22.96
45.90	1.2425	-7.1982	22.43	90.58	2.1071	-0.3711	22.98
45.65	0.0218	-0.0755	16.54	95.69	2.1001	-0.3701	23.01
45.62	0.0140	-0.0135	-0.69	100.92	2.0934	-0.3691	23.04
50.10	0.0233	-0.0795	16.25	103.25	2.0783	-0.3667	23.05
53.47	0.0560	-0.2717	20.37	106.11	2.0685	-0.3650	23.07
53.29	0.0541	-0.2595	20.27	108.31	2.0682	-0.3650	23.08
53.21	0.0610	-0.2996	20.57	111.08	2.0561	-0.3631	23.11
50.49	0.0626	-0.3094	20.66	113.24	2.0533	-0.3628	23.12
46.14	0.0696	-0.3523	20.92	117.83	2.0357	-0.3600	23.16
46.13	0.0734	-0.3747	21.03	120.92	2.0228	-0.3580	23.18
44.97	0.0669	-0.3415	20.89	123.28	1.8902	-0.3347	23.24
38.98	0.0497	-0.2433	20.42	122.97	1.8683	-0.3309	23.24
33.99	0.0341	-0.1538	19.50	125.82	1.8543	-0.3286	23.27
33.96	0.0340	-0.1535	19.53	125.60	1.7967	-0.3186	23.29
26.83	0.0390	-0.1875	20.52	127.84	1.7851	-0.3165	23.32
21.88	0.0408	-0.2025	21.05	130.19	0.1867	-0.0352	30.40
21.90	0.0462	-0.2346	21.26	132.53	2.0674	-0.3669	23.26
16.69	0.0451	-0.2344	21.63	135.33	2.0766	-0.3685	23.27
11.74	1.5684	-9.1185	22.49	134.42	2.0657	-0.3668	23.27
11.77	0.1203	-0.0164	23.57	138.35	2.0439	-0.3621	23.31
5.05	0.0154	-0.0779	21.86	140.16	2.0126	-0.3567	23.31
0.02	0.0051	-0.0213	21.94	142.63	1.8906	-0.3346	23.37
-0.04	0.0506	-0.2818	22.54	145.78	0.4577	-2.5542	21.90
-0.02	0.0700	-0.0097	21.98	142.52	2.0264	-0.3582	23.31
-0.02	0.0397	-0.2169	22.72	0.22	1.0412	-0.1755	21.12
0.02	0.0376	-0.2057	22.79				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00084 (CH 1647)

AZ = 170.2 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00084 (CH 1648)
AZ = 170.2 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 85 CHANNELS 1660 1661 1662

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	42.14	9.89	0.0026	0.0002	-32.60
5.33	0.0009	-0.0001	-2.51	19.55	0.0050	-0.0014	-27.44
12.31	0.0020	-0.0002	-13.30	29.57	0.0077	-0.0032	-27.06
16.44	0.0031	0.0002	-6.03	39.42	0.0107	-0.0037	-26.19
20.51	0.0065	0.0014	-0.19	49.16	0.0140	-0.0038	-23.16
20.46	0.0074	0.0017	-0.88	54.50	0.0165	-0.0038	-21.60
20.47	0.0078	0.0017	3.77	59.57	0.0189	-0.0036	-19.73
27.05	0.0128	0.0038	-3.52	64.20	0.0218	-0.0037	-17.48
34.69	0.0156	0.0044	-11.92	69.32	0.0245	-0.0033	-15.65
34.53	0.0156	0.0043	-12.29	74.16	0.0276	-0.0030	-13.47
34.53	0.0156	0.0044	-11.78	80.16	0.0329	-0.0022	-10.04
39.70	0.0170	0.0025	-13.79	85.61	0.0366	-0.0019	-8.52
45.90	0.0197	-0.0012	-16.20	90.58	0.0401	-0.0015	-7.41
45.65	0.0195	-0.0014	-15.36	95.69	0.0440	-0.0009	-5.83
45.62	0.0195	-0.0017	-15.63	100.92	0.0478	-0.0005	-5.03
50.10	0.0212	-0.0022	-14.32	103.25	0.0501	-0.0001	-4.11
53.47	0.0225	-0.0022	-14.15	106.11	0.0521	0.0001	-3.73
53.29	0.0225	-0.0022	-14.50	108.31	0.0534	0.0002	-3.41
53.21	0.0225	-0.0023	-14.56	111.08	0.0551	0.0004	-2.97
50.49	0.0216	-0.0024	-15.14	113.24	0.0564	0.0006	-2.69
46.14	0.0204	-0.0025	-15.99	117.83	0.0588	0.0011	-2.15
46.13	0.0203	-0.0023	-15.82	120.92	0.0608	0.0013	-1.81
44.97	0.0194	-0.0023	-16.10	123.28	0.0626	0.0016	-1.49
38.98	0.0177	-0.0026	-17.85	122.97	0.0628	0.0018	-1.36
33.99	0.0164	-0.0026	-19.17	125.82	0.0647	0.0019	-1.41
33.96	0.0163	-0.0025	-18.66	125.60	0.0651	0.0020	-1.35
26.83	0.0140	-0.0025	-20.53	127.84	0.0668	0.0021	-1.35
21.88	0.0124	-0.0021	-21.31	130.19	0.0688	0.0023	-1.22
21.90	0.0124	-0.0022	-21.08	132.53	0.0708	0.0020	-1.64
16.69	0.0105	-0.0020	-21.79	135.33	0.0733	0.0017	-2.01
11.74	0.0090	-0.0016	-23.24	134.42	0.0729	0.0013	-2.16
11.77	0.0090	-0.0012	-22.27	138.35	0.0761	0.0007	-2.38
5.05	0.0070	-0.0010	-24.73	140.16	0.0780	-0.0007	-2.74
0.02	0.0053	-0.0014	-27.20	142.63	0.0802	-0.0053	-2.89
-0.04	0.0055	-0.0004	-24.55	145.78	0.0833	-0.0096	-3.10
-0.02	0.0055	-0.0003	-21.88	142.52	0.0811	-0.0115	-3.25
-0.02	0.0054	-0.0002	-20.92	0.22	-0.0055	-0.0258	-8.76
0.02	0.0056	-0.0006	-23.86				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00085 (CH 1660)

AZ = 180 DEGREES R = 11 FT 0.0 IN. V = 14 FT 10.4 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00085 (CH 1661)

AZ = 180 DEGREES R = 11 FT 0.0 IN. V = 14 FT 10.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 86 CHANNELS 1663 1664 1665

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	0.0001	36.25	9.89	0.0017	-0.0056	-5.81
5.33	-0.0008	-0.0100	12.12	19.55	0.0037	-0.0050	15.55
12.31	0.0003	-0.0135	9.30	29.57	0.0059	-0.0051	20.12
16.44	0.0007	-0.0124	7.27	39.42	0.0075	-0.0046	19.57
20.51	0.0013	-0.0091	6.97	49.16	0.0089	-0.0040	19.29
20.46	0.0019	-0.0086	7.67	54.50	0.0100	-0.0036	18.53
20.47	0.0021	-0.0081	6.85	59.57	0.0111	-0.0026	18.54
27.05	0.0044	-0.0043	8.14	64.20	0.0119	-0.0013	21.08
34.69	0.0083	-0.0021	9.36	69.32	0.0128	0.0000	22.53
34.53	0.0087	-0.0018	8.78	74.16	0.0137	0.0014	23.69
34.53	0.0087	-0.0018	10.02	80.16	0.0148	0.0027	25.60
39.70	0.0099	-0.0014	9.65	85.61	0.0156	0.0043	26.79
45.90	0.0119	-0.0003	8.52	90.58	0.0165	0.0053	27.58
45.65	0.0123	0.0002	8.90	95.69	0.0175	0.0062	30.14
45.62	0.0123	0.0003	9.41	100.92	0.0182	0.0071	33.06
50.10	0.0132	0.0007	9.30	103.25	0.0184	0.0075	34.88
53.47	0.0139	0.0016	9.25	106.11	0.0187	0.0075	36.54
53.29	0.0143	0.0017	9.81	108.31	0.0188	0.0078	38.19
53.21	0.0142	0.0018	9.56	111.08	0.0188	0.0079	40.68
50.49	0.0140	0.0021	9.39	113.24	0.0189	0.0076	43.01
46.14	0.0134	0.0020	9.92	117.83	0.0185	0.0069	-39.75
46.13	0.0132	0.0020	9.65	120.92	0.0185	0.0057	-34.61
44.97	0.0125	0.0014	8.42	123.28	0.0186	0.0050	-30.27
38.98	0.0119	0.0013	9.03	122.97	0.0187	0.0046	-29.63
33.99	0.0114	0.0013	9.77	125.82	0.0191	0.0036	-25.54
33.96	0.0114	0.0013	10.53	125.60	0.0193	0.0030	-24.22
26.83	0.0103	0.0012	8.20	127.84	0.0197	0.0025	-23.02
21.88	0.0097	0.0011	3.82	130.19	0.0211	0.0016	-19.72
21.90	0.0097	0.0011	4.41	132.53	0.0232	0.0010	-17.52
16.69	0.0089	0.0010	-1.86	135.33	0.0262	0.0011	-15.15
11.74	0.0092	0.0010	-12.15	134.42	0.0271	0.0010	-14.39
11.77	0.0092	0.0011	-12.27	138.35	0.0308	0.0028	-12.30
5.05	0.0091	0.0034	-12.65	140.16	0.0338	0.0041	-10.55
0.02	0.0089	0.0069	44.33	142.63	0.0381	0.0063	-7.48
-0.04	0.0083	0.0057	-43.72	145.78	0.0419	0.0092	-6.63
-0.02	0.0082	0.0057	-44.13	142.52	0.0427	0.0084	-5.93
-0.02	0.0084	0.0056	-42.60	0.22	-0.0306	-0.0330	-5.42
0.02	0.0080	0.0056	-42.70				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00086 (CH 1663)
 AZ = 179.97 DEGREES R = 11 FT 0.0 IN. V = 16 FT 4.9 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00086 (CH 1664)

AZ = 179.97 DEGREES R = 11 FT 0.0 IN. V = 16 FT 4.9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 87 CHANNELS 1666 1667 1668

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0004	37.69	9.89	0.0057	-0.0128	-43.75
5.33	0.0043	-0.0153	37.79	19.55	0.0066	-0.0149	-40.43
12.31	0.0016	-0.0165	43.38	29.57	0.0110	-0.0138	-38.97
16.44	0.0017	-0.0151	-38.89	39.42	0.0181	-0.0125	-36.54
20.51	0.0028	-0.0133	-28.04	49.16	0.0263	-0.0117	-34.13
20.46	0.0034	-0.0128	-26.80	54.50	0.0313	-0.0109	-32.73
20.47	0.0031	-0.0124	-26.00	59.57	0.0359	-0.0101	-31.72
27.05	0.0083	-0.0109	-15.90	64.20	0.0403	-0.0087	-31.13
34.69	0.0175	-0.0088	-11.68	69.32	0.0450	-0.0073	-30.72
34.53	0.0185	-0.0083	-11.98	74.16	0.0497	-0.0057	-30.13
34.53	0.0186	-0.0082	-12.06	80.16	0.0561	-0.0044	-29.55
39.70	0.0233	-0.0070	-13.19	85.61	0.0612	-0.0032	-29.11
45.90	0.0302	-0.0049	-14.73	90.58	0.0650	-0.0018	-29.01
45.65	0.0307	-0.0044	-14.68	95.69	0.0679	-0.0003	-28.76
45.62	0.0309	-0.0044	-14.77	100.92	0.0702	0.0013	-28.98
50.10	0.0345	-0.0037	-15.63	103.25	0.0710	0.0019	-29.17
53.47	0.0375	-0.0026	-16.01	106.11	0.0720	0.0024	-29.49
53.29	0.0377	-0.0022	-15.76	108.31	0.0727	0.0029	-29.66
53.21	0.0377	-0.0021	-15.86	111.08	0.0735	0.0034	-30.23
50.49	0.0358	-0.0018	-15.53	113.24	0.0740	0.0039	-30.65
46.14	0.0331	-0.0018	-15.33	117.83	0.0747	0.0048	-32.09
46.13	0.0328	-0.0018	-15.26	120.92	0.0749	0.0054	-33.41
44.97	0.0295	-0.0020	-14.74	123.28	0.0747	0.0059	-34.66
38.98	0.0261	-0.0024	-13.74	122.97	0.0748	0.0059	-35.08
33.99	0.0237	-0.0034	-12.51	125.82	0.0748	0.0068	-36.39
33.96	0.0233	-0.0032	-12.50	125.60	0.0742	0.0070	-36.92
26.83	0.0202	-0.0049	-8.16	127.84	0.0750	0.0073	-37.53
21.88	0.0189	-0.0059	-4.41	130.19	0.0751	0.0089	-39.21
21.90	0.0185	-0.0057	-4.40	132.53	0.0765	0.0110	-40.71
16.69	0.0180	-0.0060	0.73	135.33	0.0783	0.0138	-42.14
11.74	0.0172	-0.0060	8.59	134.42	0.0783	0.0145	-42.62
11.77	0.0167	-0.0059	9.22	138.35	0.0842	0.0175	-43.97
5.05	0.0192	-0.0048	16.80	140.16	0.0881	0.0197	-44.64
0.02	0.0248	-0.0082	29.22	142.63	0.0949	0.0227	44.69
-0.04	0.0224	-0.0063	27.55	145.78	0.1028	0.0263	44.36
-0.02	0.0223	-0.0061	27.29	142.52	0.1017	0.0263	43.45
-0.02	0.0220	-0.0059	27.24	0.22	-0.0138	-0.0810	17.44
0.02	0.0211	-0.0056	26.74				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00087 (CH 1666)

AZ = 179.97 DEGREES R = 11 FT 0.0 IN. V = 16 FT 6.7 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00087 (CH 1667)

AZ = 179.97 DEGREES R = 11 FT 0.0 IN. V = 16 FT 6.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 88 CHANNELS 1669 1680 1681

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0003	25.66	9.89	0.0161	-0.0012	23.41
5.33	0.0038	0.0010	21.07	19.55	0.0340	-0.0049	25.90
12.31	0.0048	0.0011	-30.92	29.57	0.0504	-0.0077	26.90
16.44	0.0062	-0.0001	-9.42	39.42	0.0656	-0.0105	27.38
20.51	0.0108	-0.0017	8.57	49.16	0.0802	-0.0133	27.53
20.46	0.0121	-0.0019	9.65	54.50	0.0889	-0.0148	27.19
20.47	0.0131	-0.0026	11.27	59.57	0.1021	-0.0170	24.93
27.05	0.0280	-0.0045	19.91	64.20	0.1201	-0.0203	22.69
34.69	0.0515	-0.0087	24.44	69.32	0.1416	-0.0240	20.93
34.53	0.0548	-0.0093	24.90	74.16	0.1660	-0.0287	19.74
34.53	0.0556	-0.0095	25.02	80.16	0.1976	-0.0373	19.48
39.70	0.0653	-0.0131	25.06	85.61	0.2241	-0.0435	18.76
45.90	0.0782	-0.0183	23.78	90.58	0.2507	-0.0495	18.21
45.65	0.0790	-0.0190	23.33	95.69	0.2795	-0.0570	17.83
45.62	0.0789	-0.0191	23.17	100.92	0.3085	-0.0654	17.58
50.10	0.0872	-0.0213	22.21	103.25	0.3200	-0.0684	17.54
53.47	0.0978	-0.0231	20.55	106.11	0.3328	-0.0724	17.40
53.29	0.1002	-0.0227	20.00	108.31	0.3433	-0.0757	17.32
53.21	0.1008	-0.0222	19.88	111.08	0.3578	-0.0805	17.24
50.49	0.0993	-0.0212	19.85	113.24	0.3695	-0.0841	17.16
46.14	0.0951	-0.0199	19.80	117.83	0.3958	-0.0924	16.97
46.13	0.0947	-0.0198	19.77	120.92	0.4123	-0.0979	17.00
44.97	0.0949	-0.0175	19.75	123.28	0.4244	-0.1020	17.08
38.98	0.0885	-0.0152	19.67	122.97	0.4268	-0.1026	17.11
33.99	0.0823	-0.0136	19.21	125.82	0.4431	-0.1094	17.30
33.96	0.0824	-0.0141	19.29	125.60	0.4476	-0.1118	17.61
26.83	0.0727	-0.0117	18.20	127.84	0.4583	-0.1169	17.91
21.88	0.0658	-0.0103	16.99	130.19	0.4765	-0.1232	17.90
21.90	0.0661	-0.0106	17.10	132.53	0.4994	-0.1302	17.82
16.69	0.0587	-0.0093	15.92	135.33	0.5291	-0.1399	17.85
11.74	0.0509	-0.0085	14.09	134.42	0.5326	-0.1414	17.92
11.77	0.0499	-0.0091	13.66	138.35	0.5661	-0.1571	17.93
5.05	0.0394	-0.0088	10.18	140.16	0.5926	-0.1673	18.35
0.02	0.0317	-0.0103	4.63	142.63	0.6346	-0.1834	18.85
-0.04	0.0303	-0.0104	3.87	145.78	0.6659	-0.1940	19.21
-0.02	0.0304	-0.0105	4.70	142.52	0.6667	-0.1968	19.35
-0.02	0.0306	-0.0108	5.02	0.22	0.3090	-0.2057	16.92
0.02	0.0305	-0.0107	4.94				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00088 (CH 1669)

AZ = 180.27 DEGREES R = 11 FT 0.0 IN. V = 17 FT 0.4 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00088 (CH 1680)

AZ = 180.27 DEGREES R = 11 FT 0.0 IN. V = 17 FT 0.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 89 CHANNELS 1682 1683 1684

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	-0.0001	-18.97	9.89	0.1164	0.0025	23.54
5.33	0.0137	0.0049	-4.33	19.55	0.1329	0.0153	21.89
12.31	0.0236	0.0122	-0.68	29.57	0.1498	0.0262	20.07
16.44	0.0289	0.0149	-2.05	39.42	0.1620	0.0353	18.17
20.51	0.0380	0.0160	-6.81	49.16	0.1750	0.0425	16.54
20.46	0.0395	0.0166	-5.20	54.50	0.1828	0.0468	14.87
20.47	0.0399	0.0170	-4.06	59.57	0.1920	0.0523	12.13
27.05	0.0555	0.0226	17.82	64.20	0.2020	0.0576	7.79
34.69	0.1071	0.0158	42.25	69.32	0.2174	0.0617	3.25
34.53	0.1155	0.0137	43.74	74.16	0.2392	0.0628	-0.50
34.53	0.1178	0.0132	44.10	80.16	0.2717	0.0619	-2.77
39.70	0.1377	0.0103	-44.34	85.61	0.3031	0.0608	-4.07
45.90	0.1697	0.0046	-42.10	90.58	0.3395	0.0601	-3.96
45.65	0.1735	0.0037	-41.50	95.69	0.3862	0.0596	-2.77
45.62	0.1742	0.0035	-41.32	100.92	0.4387	0.0591	-0.97
50.10	0.1886	0.0034	-40.20	103.25	0.4625	0.0588	-0.12
53.47	0.2035	0.0018	-39.25	106.11	0.4907	0.0582	0.88
53.29	0.2068	0.0013	-38.92	108.31	0.5134	0.0574	1.67
53.21	0.2080	0.0009	-38.76	111.08	0.5455	0.0559	2.69
50.49	0.2073	-0.0004	-38.71	113.24	0.5689	0.0544	3.33
46.14	0.2040	-0.0036	-38.92	117.83	0.6208	0.0505	4.61
46.13	0.2038	-0.0039	-38.93	120.92	0.6522	0.0480	5.24
44.97	0.2053	-0.0029	-38.58	123.28	0.6765	0.0458	5.70
38.98	0.2000	-0.0076	-38.92	122.97	0.6817	0.0453	5.85
33.99	0.1946	-0.0123	-39.23	125.82	0.7056	0.0430	6.26
33.96	0.1944	-0.0125	-39.24	125.60	0.7116	0.0420	6.40
26.83	0.1855	-0.0198	-39.68	127.84	0.7260	0.0407	6.61
21.88	0.1787	-0.0252	-40.01	130.19	0.7617	0.0351	7.18
21.90	0.1786	-0.0250	-40.03	132.53	0.8125	0.0262	7.73
16.69	0.1711	-0.0311	-40.36	135.33	0.9068	0.0110	8.30
11.74	0.1624	-0.0373	-40.79	134.42	0.9241	0.0076	8.43
11.77	0.1608	-0.0375	-40.93	138.35	0.9807	-0.0001	7.91
5.05	0.1484	-0.0480	-41.03	140.16	1.0226	-0.0059	7.51
0.02	0.1366	-0.0602	-40.30	142.63	1.1398	-0.0188	7.74
-0.04	0.1337	-0.0576	-40.38	145.78	1.2028	-0.0248	7.31
-0.02	0.1343	-0.0568	-40.16	142.52	1.2179	-0.0285	7.32
-0.02	0.1343	-0.0565	-40.16	0.22	0.8828	-0.0350	7.79
0.02	0.1333	-0.0570	-40.65				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00089 (CH 1682)

AZ = 189.5 DEGREES R = 11 FT 0.0 IN. V = 17 FT 11.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00089 (CH 1683)

AZ = 189.5 DEGREES R = 11 FT 0.0 IN. V = 17 FT 11.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 90 CHANNELS 1685 1686 1687

STRUCTURAL INTEGRITY TEST					HIGH PRESSURE TEST				
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees		Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	
-0.05	0.0003	-0.0020	-24.71		9.89	0.0117	0.0061	4.59	
5.33	0.0029	-0.0045	-26.08		19.55	0.0245	0.0122	5.24	
12.31	0.0062	-0.0050	-27.69		29.57	0.0376	0.0188	5.21	
16.44	0.0109	-0.0163	-24.78		39.42	0.0499	0.0253	5.99	
20.51	0.0167	-0.0223	-24.07		49.16	0.0615	0.0316	6.58	
20.45	0.0183	-0.0282	-23.90		54.50	0.0684	0.0352	6.83	
20.47	0.0201	-0.0371	-23.64		59.57	0.0759	0.0387	7.91	
27.05	0.0423	0.0161	-14.54		64.20	0.0837	0.0426	9.01	
34.69	0.0550	0.0265	-6.22		69.32	0.0928	0.0470	9.26	
34.53	0.0540	0.0274	-4.27		74.16	0.1023	0.0514	9.67	
34.53	0.0487	0.0275	2.74		80.16	0.1128	0.0559	10.19	
39.70	0.0588	0.0314	0.98		85.61	0.1243	0.0607	10.80	
45.90	0.0549	0.0264	34.35		90.58	0.1359	0.0652	11.22	
45.65	0.0538	0.0131	-42.39		95.69	0.1495	0.0702	11.68	
45.62	0.0539	0.0115	-41.78		100.92	0.1654	0.0757	11.81	
50.10	0.0588	0.0147	-43.26		103.25	0.1733	0.0786	11.90	
53.47	0.0632	0.0184	44.09		106.11	0.1827	0.0820	11.61	
53.29	0.0636	0.0194	43.21		108.31	0.1905	0.0844	11.42	
53.21	0.0637	0.0203	42.67		111.08	0.2032	0.0881	10.84	
50.49	0.0621	0.0186	43.58		113.24	0.2143	0.0913	13.23	
46.14	0.0587	0.0147	-44.51		117.83	0.2457	0.0977	8.82	
46.13	0.0588	0.0206	40.85		120.92	0.2746	0.1022	7.65	
44.97	0.0606	-0.0015	-36.61		123.28	0.3073	0.1063	6.60	
38.98	0.0572	-0.0167	-33.15		122.97	0.3161	0.1079	6.34	
33.99	0.0543	-0.0290	-31.29		125.82	0.3739	0.1111	4.49	
33.96	0.0587	-0.0596	-28.54		125.60	0.3920	0.1119	4.05	
26.83	0.0543	-0.0754	-27.29		127.84	0.4439	0.1122	3.06	
21.88	0.0511	-0.0861	-26.48		130.19	0.5885	0.1094	1.21	
21.90	0.0514	-0.0898	-26.38		132.53	0.8000	0.1069	0.50	
16.69	0.0473	-0.0955	-25.88		135.33	0.9959	0.1070	2.18	
11.74	0.0431	-0.1002	-25.38		134.42	1.0214	0.1076	2.32	
11.77	0.0464	-0.1237	-24.94		138.35	1.1892	0.1160	2.17	
5.05	0.0413	-0.1316	-24.40		140.16	1.3060	0.1253	2.18	
0.02	0.0360	-0.1356	-23.98		142.53	1.4593	0.1383	2.38	
-0.04	0.0377	-0.1435	-23.68		145.78	1.5956	0.1509	2.56	
-0.02	0.0411	-0.1647	-23.53		142.52	1.6184	0.1494	2.60	
-0.02	0.0397	-0.1680	-23.47		0.22	1.3605	0.0673	2.01	
0.02	0.0407	-0.1813	-23.39

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00090 (CH 1686)

AZ = 228.37 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 91 CHANNELS 1688 1689 1700

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	0.0000	35.40	9.89	0.0127	0.0044	1.01
5.33	0.0020	0.0009	-1.88	19.55	0.0261	0.0106	-0.23
12.31	0.0049	0.0023	1.26	29.57	0.0396	0.0167	-0.62
16.44	0.0072	0.0033	-0.37	39.42	0.0525	0.0225	-0.82
20.51	0.0129	0.0048	-2.48	49.16	0.0648	0.0283	-0.87
20.46	0.0140	0.0052	-1.16	54.50	0.0717	0.0323	-0.41
20.47	0.0145	0.0054	0.21	59.57	0.0792	0.0367	0.26
27.05	0.0311	0.0082	-3.60	64.20	0.0869	0.0410	2.09
34.69	0.0534	0.0157	-3.73	69.32	0.0956	0.0452	3.28
34.53	0.0548	0.0174	-3.60	74.16	0.1050	0.0490	4.28
34.53	0.0552	0.0177	-3.89	80.16	0.1143	0.0563	5.17
39.70	0.0633	0.0228	-3.16	85.61	0.1251	0.0629	6.20
40.90	0.0744	0.0328	-1.53	90.58	0.1360	0.0697	6.86
45.65	0.0750	0.0344	-1.75	95.69	0.1494	0.0766	8.13
45.62	0.0750	0.0347	-1.85	100.92	0.1652	0.0841	9.01
50.10	0.0819	0.0385	-2.50	103.25	0.1729	0.0879	9.15
53.47	0.0884	0.0423	-3.28	106.11	0.1824	0.0921	9.18
53.29	0.0890	0.0438	-3.78	108.31	0.1900	0.0953	9.07
53.21	0.0894	0.0449	-4.24	111.08	0.2018	0.1001	8.59
50.49	0.0869	0.0447	-4.43	113.24	0.2116	0.1036	8.09
46.14	0.0822	0.0430	-4.69	117.83	0.2367	0.1115	6.99
46.13	0.0820	0.0431	-4.88	120.92	0.2582	0.1175	6.12
44.97	0.0827	0.0477	-8.63	123.28	0.2817	0.1234	5.31
38.98	0.0759	0.0450	-9.61	122.97	0.2874	0.1252	5.07
33.99	0.0696	0.0424	-10.61	125.82	0.3227	0.1320	4.03
33.96	0.0693	0.0422	-10.34	125.60	0.3352	0.1288	4.25
26.83	0.0602	0.0383	-12.62	127.84	0.3698	0.1068	6.03
21.88	0.0536	0.0354	-14.71	130.19	0.4662	0.1112	4.19
21.90	0.0532	0.0351	-14.55	132.53	0.7045	0.1140	1.90
16.69	0.0468	0.0322	-18.97	135.33	1.0790	0.1167	4.27
11.74	0.0403	0.0289	-23.03	134.42	1.1083	0.1263	4.26
11.77	0.0400	0.0284	-25.12	138.35	1.2376	0.1510	4.72
5.05	0.0324	0.0236	-36.31	140.16	1.3385	0.1705	4.68
0.02	0.0280	0.0191	41.19	142.63	1.4992	0.1953	4.54
-0.04	0.0272	0.0133	39.96	145.78	1.6433	0.2201	4.33
-0.02	0.0276	0.0183	38.96	142.52	1.6670	0.2204	4.31
-0.02	0.0267	0.0175	38.49	0.22	1.4300	0.0777	4.34
0.02	0.0257	0.0171	37.94

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00091 (CH 1689)

AZ = 228.37 DEGREES R = 11 FT 0.0 IN. V = 15 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 92 CHANNELS 1701 1702 1703

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	-40.24	9.89	0.0130	0.0059	-0.23
5.33	0.0020	0.0006	-12.80	19.55	0.0264	0.0117	-0.93
12.31	0.0048	0.0017	-6.72	29.57	0.0398	0.0177	-1.17
16.44	0.0074	0.0024	-2.69	39.42	0.0525	0.0236	-1.41
20.51	0.0167	0.0043	-4.38	49.16	0.0642	0.0294	-1.64
20.46	0.0190	0.0048	-3.43	54.50	0.0710	0.0328	-1.31
20.47	0.0197	0.0049	-3.61	59.57	0.0782	0.0367	-1.46
27.05	0.0339	0.0102	-0.12	64.20	0.0858	0.0410	-1.47
34.69	0.0487	0.0202	0.78	69.32	0.0942	0.0459	-1.69
34.53	0.0501	0.0217	0.76	74.16	0.1036	0.0511	-2.40
34.53	0.0503	0.0220	0.80	80.16	0.1111	0.0572	-1.42
39.70	0.0587	0.0268	0.60	85.61	0.1206	0.0632	-1.03
45.90	0.0705	0.0347	-0.01	90.58	0.1298	0.0690	-0.69
45.65	0.0707	0.0357	0.04	95.69	0.1407	0.0757	-0.07
45.62	0.0707	0.0360	0.04	100.92	0.1537	0.0831	0.32
50.10	0.0770	0.0394	-0.25	103.25	0.1598	0.0870	0.75
53.47	0.0825	0.0430	-0.32	106.11	0.1671	0.0913	0.96
53.29	0.0827	0.0437	-0.12	108.31	0.1731	0.0946	1.29
53.21	0.0829	0.0438	-0.21	111.08	0.1822	0.0996	1.71
50.49	0.0808	0.0431	0.16	113.24	0.1898	0.1036	2.09
46.14	0.0766	0.0416	0.30	117.83	0.2105	0.1129	3.16
46.13	0.0763	0.0413	0.22	120.92	0.2292	0.1201	4.20
44.97	0.0762	0.0423	0.30	123.28	0.2484	0.1269	5.37
38.98	0.0701	0.0398	0.37	122.97	0.2533	0.1286	5.78
33.99	0.0641	0.0374	0.74	125.82	0.2825	0.1347	7.01
33.96	0.0638	0.0372	0.80	125.60	0.2917	0.1366	7.29
26.83	0.0547	0.0335	1.53	127.84	0.3146	0.1403	7.55
21.88	0.0481	0.0307	2.14	130.19	0.3771	0.1465	7.60
21.90	0.0478	0.0305	1.48	132.53	0.4972	0.1543	5.08
16.69	0.0410	0.0277	2.30	135.33	0.7698	0.1678	2.01
11.74	0.0343	0.0248	2.17	134.42	0.8404	0.1671	1.26
11.77	0.0337	0.0243	1.09	138.35	1.0696	0.1748	0.69
5.05	0.0249	0.0205	0.33	140.16	1.2002	0.1810	0.61
0.02	0.0181	0.0172	4.43	142.63	1.3808	0.1934	0.54
-0.04	0.0178	0.0167	-5.61	145.78	1.5439	0.2063	0.61
-0.02	0.0178	0.0157	9.75	142.52	1.5714	0.2044	0.63
-0.02	0.0176	0.0154	6.86	0.22	1.3169	0.0514	2.97
0.02	0.0172	0.0147	10.12				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00092 (CH 1701)

AZ = 228.37 DEGREES R = 11 FT 0.0 IN. V = 16 FT 11.7 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00092 (CH 1702)

AZ = 228.37 DEGREES R = 11 FT 0.0 IN. V = 16 FT 11.7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 93 CHANNELS 1704 1705 1706

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	-0.0002	40.35	9.89	0.0128	-0.0015	-15.29
5.33	0.0026	0.0021	36.02	19.55	0.0276	0.0053	-18.01
12.31	0.0064	0.0051	40.47	29.57	0.0414	0.0130	-18.55
16.44	0.0094	0.0074	-44.71	39.42	0.0553	0.0200	-19.75
20.51	0.0195	0.0116	-10.63	49.16	0.0683	0.0278	-18.30
20.46	0.0228	0.0119	-7.37	54.50	0.0761	0.0324	-17.08
20.47	0.0247	0.0119	-7.52	59.57	0.0837	0.0375	-16.29
27.05	0.0484	0.0164	-7.58	64.20	0.0903	0.0430	-15.71
34.69	0.0616	0.0259	-7.24	69.32	0.0978	0.0491	-14.62
34.53	0.0631	0.0268	-7.77	74.16	0.1043	0.0558	-13.95
34.53	0.0627	0.0269	-7.39	80.16	0.1102	0.0631	-12.35
39.70	0.0683	0.0320	-7.96	85.61	0.1141	0.0721	-11.24
45.90	0.0764	0.0400	-9.62	90.58	0.1198	0.0799	-10.29
45.65	0.0757	0.0407	-9.05	95.69	0.1275	0.0890	-9.72
45.62	0.0753	0.0408	-8.78	100.92	0.1368	0.0994	-9.32
50.10	0.0805	0.0453	-8.36	103.25	0.1426	0.1041	-8.44
53.47	0.0860	0.0488	-7.37	106.11	0.1500	0.1097	-7.66
53.29	0.0854	0.0493	-6.78	108.31	0.1559	0.1144	-7.01
53.21	0.0855	0.0493	-6.74	111.08	0.1662	0.1214	-6.00
50.49	0.0832	0.0481	-7.16	113.24	0.1750	0.1270	-5.44
46.14	0.0789	0.0452	-8.05	117.83	0.1968	0.1415	-5.07
46.13	0.0783	0.0451	-8.01	120.92	0.2167	0.1530	-5.37
44.97	0.0800	0.0464	-8.37	123.28	0.2406	0.1649	-6.51
38.98	0.0730	0.0420	-9.31	122.97	0.2471	0.1682	-7.07
33.99	0.0669	0.0381	-9.37	125.82	0.2904	0.1878	-9.82
33.96	0.0667	0.0378	-9.16	125.60	0.3078	0.1940	-10.88
26.83	0.0566	0.0321	-7.66	127.84	0.3470	0.2070	-12.46
21.88	0.0494	0.0281	-5.34	130.19	0.4629	0.2359	-14.61
21.90	0.0465	0.0280	-2.73	132.53	0.6612	0.2729	-15.30
16.69	0.0404	0.0236	0.18	135.33	0.9115	0.3155	-14.68
11.74	0.0335	0.0191	6.86	134.42	0.9547	0.3215	-14.66
11.77	0.0316	0.0184	11.21	138.35	1.1641	0.3717	-14.53
5.05	0.0246	0.0104	28.48	140.16	1.2976	0.4096	-14.49
0.02	0.0235	0.0082	44.38	142.63	1.4717	0.4628	-14.48
-0.04	0.0163	0.0157	-13.41	145.78	1.6247	0.5147	-14.34
-0.02	0.0181	0.0135	37.54	142.52	1.6487	0.5205	-14.31
-0.02	0.0174	0.0133	32.47	0.22	1.0843	0.3701	-16.73
0.02	0.0177	0.0130	40.55				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00093 (CH 1704)

AZ = 260.92 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.6 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00093 (CH 1705)

AZ = 260.92 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.6 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

ROSETTE 94 CHANNELS 1707 1708 1709

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	0.0000	-0.02	9.89	0.0166	0.0082	-14.48
5.33	0.0058	0.0023	-34.03	19.55	0.0330	0.0160	-16.12
12.31	0.0134	0.0055	-36.64	29.57	0.0493	0.0244	-17.21
16.44	0.0175	0.0084	-37.68	39.42	0.0651	0.0325	-17.89
20.51	0.0221	0.0146	-34.26	49.16	0.0817	0.0401	-18.40
20.46	0.0227	0.0161	-32.31	54.50	0.1006	0.0438	-17.33
20.47	0.0233	0.0165	-30.67	59.57	0.1738	0.0455	-11.67
27.05	0.0329	0.0261	-14.10	64.20	0.2742	0.0451	-9.43
34.69	0.0608	0.0341	-17.14	69.32	0.3660	0.0474	-8.56
34.53	0.0660	0.0343	-16.71	74.16	0.4715	0.0525	-6.93
34.53	0.0674	0.0343	-16.39	80.16	0.5969	0.0600	-4.95
39.70	0.1042	0.0360	-16.82	85.61	0.7220	0.0689	-3.23
45.90	0.1968	0.0346	-14.46	90.58	0.8190	0.0749	-2.46
45.65	0.2112	0.0332	-14.14	95.69	0.9211	0.0771	-2.21
45.62	0.2143	0.0327	-14.08	100.92	1.0514	0.0679	-2.50
50.10	0.2691	0.0318	-13.82	103.25	1.0960	0.0661	-2.76
53.47	0.3366	0.0290	-13.18	106.11	1.1595	0.0641	-3.04
53.29	0.3504	0.0278	-13.10	108.31	1.2129	0.0625	-3.16
53.21	0.3550	0.0272	-13.08	111.08	1.2866	0.0605	-3.15
50.49	0.3563	0.0254	-13.02	113.24	1.3438	0.0595	-3.14
46.14	0.3519	0.0223	-12.96	117.83	1.4920	0.0604	-2.75
46.13	0.3518	0.0220	-12.95	120.92	1.6017	0.0631	-2.62
44.97	0.3507	0.0235	-13.00	123.28	1.6980	0.0658	-2.67
38.98	0.3437	0.0188	-12.85	122.97	1.7178	0.0666	-2.67
33.99	0.3370	0.0144	-12.72	125.82	1.8508	0.0704	-2.44
33.96	0.3369	0.0144	-12.77	125.60	1.8766	0.0708	-2.46
26.83	0.3263	0.0079	-12.60	127.84	1.9677	0.0723	-2.54
21.88	0.3186	0.0033	-12.50	130.19	2.1644	0.0761	-2.25
21.90	0.3180	0.0029	-12.49	132.53	2.4301	0.0792	-2.12
16.69	0.3101	-0.0019	-12.40	135.33	2.8105	0.0766	-2.35
11.74	0.3018	-0.0068	-12.29	134.42	2.8807	0.0752	-2.43
11.77	0.3017	-0.0075	-12.32	138.35	3.3087	0.0711	-2.58
5.05	0.2901	-0.0136	-12.30	140.16	3.6509	0.0674	-2.66
0.02	0.2808	-0.0181	-12.30	142.63	4.1138	0.0624	-2.54
-0.04	0.2797	-0.0184	-12.26	145.78	4.6001	0.0581	-2.32
-0.02	0.2788	-0.0177	-12.26	142.52	4.7251	0.0528	-2.28
-0.02	0.2783	-0.0183	-12.18	0.22	4.2786	-0.0274	-2.13
0.02	0.2770	-0.0188	-12.23				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00094 (CH 1707)

AZ = 263.67 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.6 IN.

Pressure (psig)-Channel #2

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

IMAGE EVALUATION TEST TARGET (MT-3)

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REDUCTION

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00125 (CH 1885)
 AZ = 315.35 DEGREES V = 21 FT 3.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 126 CHANNELS 1887 1888 1889

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0002	35.72	9.69	0.0210	-0.0070	33.10
5.33	0.0060	-0.0054	29.65	19.55	0.0306	-0.0003	39.24
12.31	0.0184	-0.0088	34.79	29.57	0.0397	0.0080	43.29
16.44	0.0242	-0.0080	35.98	39.42	0.0479	0.0164	-43.48
20.51	0.0299	-0.0064	36.57	49.16	0.0552	0.0241	-40.57
20.46	0.0300	0.0037	43.56	54.50	0.0597	0.0281	-38.64
20.47	0.0309	-0.0056	36.94	59.57	0.0639	0.0355	-38.57
27.05	0.0388	0.0007	39.91	64.20	0.0688	0.0378	-39.89
34.69	0.0498	0.0115	43.96	69.32	0.0740	0.0422	-40.55
34.53	0.0507	0.0121	44.41	74.16	0.0791	0.0505	-41.75
34.53	0.0505	0.0126	44.56	80.16	0.0869	0.0683	41.84
39.70	0.0555	0.0183	-43.66	85.61	0.0993	0.0890	20.78
45.90	0.0632	0.0256	-39.35	90.58	0.1178	0.0965	18.49
45.65	0.0638	0.0258	-38.91	95.69	0.1467	0.1068	16.82
45.62	0.0638	0.0257	-38.56	100.92	0.1835	0.1291	12.89
50.10	0.0681	0.0286	-36.80	103.25	0.2012	0.1390	12.16
53.47	0.0718	0.0306	-35.32	106.11	0.2274	0.1525	11.01
53.29	0.0721	0.0301	-35.31	108.31	0.2485	0.1631	11.21
53.21	0.0722	0.0301	-35.31	111.08	0.2797	0.1769	12.90
50.49	0.0707	0.0282	-35.40	113.24	0.3050	0.1876	14.48
46.14	0.0677	0.0252	-35.61	117.83	0.3688	0.2144	16.61
46.13	0.0675	0.0251	-35.63	120.92	0.4134	0.2278	17.86
44.97	0.0679	0.0233	-36.37	123.28	0.4571	0.2390	18.09
38.98	0.0633	0.0191	-36.45	122.97	0.4708	0.2416	18.12
33.99	0.0591	0.0150	-36.46	125.82	0.5274	0.2566	18.01
33.96	0.0590	0.0148	-36.51	125.60	0.5427	0.2584	18.16
26.83	0.0517	0.0087	-37.20	127.84	0.5671	0.2634	18.30
21.88	0.0461	0.0051	-38.11	130.19	0.6170	0.2733	18.08
21.90	0.0458	0.0050	-38.18	132.53	0.6925	0.2835	18.16
16.69	0.0395	0.0012	-39.89	135.33	0.8060	0.2979	17.01
11.74	0.0330	-0.0018	-42.56	134.42	0.8279	0.3012	16.68
11.77	0.0324	-0.0015	-42.67	138.35	1.0054	0.3343	13.53
5.05	0.0228	-0.0043	-44.50	140.16	1.1141	0.3572	12.63
0.02	0.0161	-0.0003	-11.01	142.63	1.2543	0.3864	11.90
-0.04	0.0140	0.0000	-10.78	145.78	1.3639	0.4154	11.41
-0.02	0.0146	0.0002	-10.55	142.52	1.3763	0.4133	11.36
-0.02	0.0148	0.0000	-10.32	0.22	1.1988	0.2284	9.12
0.02	0.0147	0.0000	-8.58				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00126 (CH 1887)

AZ = 315.44 DEGREES V = 23 FT 10.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00126 (CH 1888)
 AZ = 315.44 DEGREES V = 23 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 127 CHANNELS 2020 2021 2022

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	-0.0002	-0.0007	9.59	9.89	0.0068	0.0055	-29.57
5.33	0.0012	0.0008	-23.11	19.55	0.0137	0.0122	-20.71
12.31	0.0034	0.0032	41.25	29.57	0.0204	0.0191	-11.11
16.44	0.0049	0.0048	-0.52	39.42	0.0272	0.0252	-7.93
20.51	0.0077	0.0074	-44.27	49.16	0.0338	0.0313	2.76
20.46	0.0093	0.0074	-14.08	54.50	0.0376	0.0352	3.46
20.47	0.0085	0.0083	38.84	59.57	0.0419	0.0388	5.30
27.05	0.0156	0.0147	5.17	64.20	0.0461	0.0426	1.21
34.69	0.0264	0.0241	-2.94	69.32	0.0515	0.0461	3.16
34.53	0.0280	0.0253	-2.54	74.16	0.0564	0.0498	-0.83
34.53	0.0283	0.0259	-3.51	80.16	0.0618	0.0533	0.32
39.70	0.0329	0.0301	-4.91	85.61	0.0674	0.0564	-1.38
45.90	0.0399	0.0363	-2.17	90.58	0.0722	0.0598	-1.92
45.65	0.0404	0.0364	-2.29	95.69	0.0775	0.0629	-1.47
45.62	0.0404	0.0363	-4.00	100.92	0.0824	0.0668	1.54
50.10	0.0444	0.0399	1.50	103.25	0.0843	0.0695	2.19
53.47	0.0480	0.0431	-1.80	106.11	0.0869	0.0710	3.52
53.29	0.0485	0.0433	-0.77	108.31	0.0881	0.0728	4.38
53.21	0.0485	0.0434	-1.74	111.08	0.0890	0.0741	7.51
50.49	0.0478	0.0426	0.18	113.24	0.0895	0.0756	12.78
46.14	0.0456	0.0407	0.32	117.83	0.0891	0.0787	6.84
46.13	0.0454	0.0406	-0.94	120.92	0.0898	0.0830	11.15
44.97	0.0457	0.0411	3.39	123.28	0.0905	0.0865	7.70
38.98	0.0424	0.0380	-0.96	122.97	0.0900	0.0871	2.57
33.99	0.0394	0.0352	1.20	125.82	0.0917	0.0899	16.51
33.96	0.0391	0.0349	-4.85	125.60	0.0911	0.0906	21.05
26.83	0.0346	0.0305	-5.10	127.84	0.0932	0.0921	-20.37
21.88	0.0312	0.0274	-4.18	130.19	0.0960	0.0932	-14.10
21.90	0.0307	0.0272	-6.90	132.53	0.0991	0.0937	-10.12
16.69	0.0274	0.0238	-5.83	135.33	0.1028	0.0940	-5.95
11.74	0.0239	0.0202	-10.26	134.42	0.1028	0.0932	-6.44
11.77	0.0233	0.0198	-9.38	138.35	0.1069	0.0940	-4.39
5.05	0.0188	0.0151	-12.58	140.16	0.1099	0.0938	-4.30
0.02	0.0150	0.0116	-10.55	142.63	0.1135	0.0934	-3.09
-0.04	0.0147	0.0113	-4.46	145.78	0.1181	0.0940	-4.05
-0.02	0.0147	0.0115	-4.73	142.52	0.1134	0.0875	-2.32
-0.02	0.0148	0.0114	-2.40	0.22	0.0032	-0.0322	5.69
0.02	0.0144	0.0111	-2.07				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00127 (CH 2020)
AZ = 90.16 DEGREES V = 28 FT 3.8 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00127 (CH 2021)
AZ = 90.16 DEGREES V = 28 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 128 CHANNELS 2023 2024 2025

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	30.56	9.89	0.0066	0.0041	3.12
5.33	0.0021	0.0014	-6.41	19.55	0.0128	0.0073	5.65
12.31	0.0050	0.0037	10.10	29.57	0.0195	0.0121	4.87
16.44	0.0072	0.0053	8.05	39.42	0.0257	0.0166	6.06
20.51	0.0100	0.0076	16.89	49.16	0.0318	0.0210	3.53
20.46	0.0112	0.0086	20.57	54.50	0.0357	0.0237	5.86
20.47	0.0109	0.0082	22.60	59.57	0.0393	0.0273	6.54
27.05	0.0176	0.0152	-35.82	64.20	0.0430	0.0310	10.52
34.69	0.0279	0.0233	-13.20	69.32	0.0468	0.0352	14.04
34.53	0.0290	0.0238	-16.92	74.16	0.0509	0.0392	20.42
34.53	0.0292	0.0244	-12.01	80.16	0.0553	0.0428	24.05
39.70	0.0339	0.0287	-15.46	85.61	0.0598	0.0466	29.67
45.90	0.0342	0.0244	3.21	90.58	0.0646	0.0501	33.23
45.65	0.0342	0.0250	2.99	95.69	0.0697	0.0538	36.71
45.62	0.0343	0.0251	2.87	100.92	0.0751	0.0574	38.16
50.10	0.0358	0.0284	6.53	103.25	0.0776	0.0592	37.82
53.47	0.0396	0.0328	22.09	106.11	0.0802	0.0609	38.18
53.29	0.0408	0.0376	10.28	108.31	0.0823	0.0624	37.53
53.21	0.0409	0.0378	11.04	111.08	0.0849	0.0644	37.42
50.49	0.0400	0.0376	12.79	113.24	0.0868	0.0662	36.59
46.14	0.0379	0.0364	25.07	117.83	0.0912	0.0691	34.53
46.13	0.0377	0.0365	19.89	120.92	0.0940	0.0715	32.88
44.97	0.0380	0.0373	28.59	123.28	0.0967	0.0731	31.75
38.98	0.0360	0.0348	-19.66	122.97	0.0972	0.0731	31.71
33.99	0.0344	0.0319	-8.71	125.82	0.0994	0.0747	30.06
33.96	0.0343	0.0315	-18.13	125.60	0.0999	0.0754	29.61
26.83	0.0316	0.0275	-2.87	127.84	0.1017	0.0763	28.34
21.88	0.0294	0.0241	-5.33	130.19	0.1037	0.0776	26.88
21.90	0.0293	0.0241	-2.58	132.53	0.1059	0.0782	24.96
16.69	0.0272	0.0207	-2.51	135.33	0.1088	0.0794	22.29
11.74	0.0252	0.0174	-2.48	134.42	0.1088	0.0792	22.45
11.77	0.0250	0.0169	0.80	138.35	0.1119	0.0797	20.35
5.05	0.0227	0.0125	-0.36	140.16	0.1135	0.0799	19.30
0.02	0.0209	0.0091	-0.97	142.63	0.1155	0.0792	18.26
-0.04	0.0204	0.0086	0.69	145.78	0.1182	0.0803	16.32
-0.02	0.0204	0.0088	-0.35	142.52	0.1139	0.0751	16.90
-0.02	0.0204	0.0088	-0.97	0.22	0.0077	-0.0178	28.96
0.02	0.0204	0.0087	0.49				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00128 (CH 2023)
 AZ = 90.24 DEGREES V = 30 FT 10.9 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00128 (CH 2024)
 AZ = 90.24 DEGREES V = 30 FT 10.9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 129 CHANNELS 2026 2027 2028

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0006	34.35	9.89	0.0078	0.0041	7.94
5.33	0.0025	0.0015	40.32	19.55	0.0155	0.0086	6.98
12.31	0.0062	0.0040	30.97	29.57	0.0236	0.0135	8.08
16.44	0.0085	0.0057	26.67	39.42	0.0310	0.0181	6.09
20.51	0.0115	0.0078	23.74	49.16	0.0383	0.0229	5.78
20.46	0.0122	0.0079	25.28	54.50	0.0427	0.0268	8.25
20.47	0.0124	0.0082	26.43	59.57	0.0476	0.0310	12.49
27.05	0.0186	0.0117	18.54	64.20	0.0527	0.0346	12.87
34.69	0.0274	0.0172	15.49	69.32	0.0564	0.0350	-4.79
34.53	0.0280	0.0179	16.59	74.16	0.0520	0.0415	-8.16
34.53	0.0280	0.0183	16.34	80.16	0.0514	0.0460	-25.02
39.70	0.0325	0.0210	13.30	85.61	0.0534	0.0476	28.26
45.90	0.0399	0.0249	10.42	90.58	0.0566	0.0478	16.39
45.65	0.0401	0.0243	8.22	95.69	0.0614	0.0488	13.23
45.62	0.0404	0.0243	8.58	100.92	0.0665	0.0507	11.54
50.10	0.0444	0.0267	7.37	103.25	0.0695	0.0517	10.77
53.47	0.0477	0.0292	6.70	106.11	0.0721	0.0533	10.59
53.29	0.0482	0.0296	7.20	108.31	0.0742	0.0546	9.54
53.21	0.0483	0.0297	7.35	111.08	0.0770	0.0556	9.17
50.49	0.0471	0.0290	7.85	113.24	0.0791	0.0567	8.43
46.14	0.0444	0.0275	8.06	117.83	0.0835	0.0584	7.48
46.13	0.0441	0.0273	7.58	120.92	0.0868	0.0594	8.10
44.97	0.0444	0.0290	10.72	123.28	0.0898	0.0599	8.21
38.98	0.0403	0.0271	11.67	122.97	0.0903	0.0595	8.30
33.99	0.0368	0.0249	12.32	125.82	0.0932	0.0606	7.91
33.96	0.0367	0.0244	11.64	125.60	0.0937	0.0603	7.64
26.83	0.0309	0.0214	12.57	127.84	0.0958	0.0612	8.03
21.88	0.0273	0.0195	16.43	130.19	0.0986	0.0621	8.04
21.90	0.0274	0.0195	18.98	132.53	0.1014	0.0626	7.91
16.69	0.0232	0.0170	20.02	135.33	0.1051	0.0635	7.80
11.74	0.0192	0.0144	23.41	134.42	0.1060	0.0629	7.07
11.77	0.0185	0.0134	12.83	138.35	0.1114	0.0650	5.95
5.05	0.0133	0.0102	17.02	140.16	0.1120	0.0651	8.23
0.02	0.0098	0.0076	30.86	142.63	0.1151	0.0662	8.33
-0.04	0.0090	0.0078	16.09	145.78	0.1186	0.0683	8.79
-0.02	0.0094	0.0080	30.18	142.52	0.1146	0.0619	8.92
-0.02	0.0097	0.0081	36.87	0.22	0.0223	-0.0503	3.07
0.02	0.0094	0.0072	25.71				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00129 (CH 2026)

AZ = 90.23 DEGREES V = 32 FT 5.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00129 (CH 2027)

AZ = 90.23 DEGREES V = 32 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 130 CHANNELS 2029 2040 2041

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0023	-0.0003	15.29	9.89	0.0075	0.0034	-15.12
5.33	0.0068	0.0001	19.12	19.55	0.0155	0.0054	-10.41
12.31	0.0149	0.0012	16.90	29.57	0.0238	0.0078	-8.70
16.44	0.0258	0.0013	17.67	39.42	0.0272	0.0079	-22.90
20.51	0.0442	0.0005	18.73	49.16	0.0334	0.0099	-24.79
20.46	0.0475	0.0002	18.86	54.50	0.0360	0.0093	-30.84
20.47	0.0500	-0.0001	18.90	59.57	0.0386	0.0062	-37.38
27.05	0.0596	0.0022	17.87	64.20	0.0415	0.0009	-43.92
34.69	0.0666	0.0065	16.58	69.32	0.0455	0.0031	-42.97
34.53	0.0809	0.0047	17.96	74.16	0.0496	0.0030	-43.58
34.53	0.0821	0.0045	17.90	80.16	0.0623	0.0246	-16.26
39.70	0.0843	0.0071	17.29	85.61	0.0695	0.0281	-12.52
45.90	0.0986	0.0093	17.16	90.58	0.0761	0.0311	-10.58
45.65	0.1690	-0.0021	19.72	95.69	0.0837	0.0341	-8.22
45.62	0.1781	-0.0037	19.92	100.92	0.0921	0.0372	-5.82
50.10	0.1875	-0.0024	19.74	103.25	0.0962	0.0389	-4.50
53.47	0.1950	-0.0010	19.65	106.11	0.1015	0.0402	-3.24
53.29	0.2000	-0.0017	19.73	108.31	0.1057	0.0416	-2.05
53.21	0.2025	-0.0021	19.79	111.08	0.1093	0.0426	-2.18
50.49	0.2040	-0.0033	19.92	113.24	0.1122	0.0438	-1.83
46.14	0.2036	-0.0050	20.16	117.83	0.1188	0.0460	-1.65
46.13	0.2043	-0.0053	20.19	120.92	0.1235	0.0476	-1.59
44.97	0.2251	-0.0091	20.66	123.28	0.1278	0.0491	-1.13
38.98	0.2220	-0.0108	20.98	122.97	0.1284	0.0492	-0.95
33.99	0.2193	-0.0124	21.21	125.82	0.1326	0.0506	-0.74
33.96	0.2194	-0.0126	21.21	125.60	0.1335	0.0505	-0.71
26.83	0.2153	-0.0150	21.59	127.84	0.1366	0.0519	-0.48
21.88	0.2127	-0.0167	21.88	130.19	0.1415	0.0529	-0.23
21.90	0.2168	-0.0175	21.78	132.53	0.1462	0.0541	-0.28
16.69	0.2223	-0.0207	22.11	135.33	0.1555	0.0557	0.60
11.74	0.2185	-0.0224	22.38	134.42	0.1173	0.0473	-20.04
11.77	0.2181	-0.0225	22.36	138.35	0.1244	0.0497	-18.86
5.05	0.2142	-0.0246	22.75	140.16	0.1292	0.0513	-17.85
0.02	0.2119	-0.0288	22.97	142.63	0.1354	0.0530	-17.25
-0.04	0.1969	-0.0266	23.13	145.78	0.1527	0.0587	-10.65
-0.02	0.1969	-0.0263	23.14	142.52	0.1741	0.0593	-1.26
-0.02	0.1968	-0.0263	23.15	0.22	0.0535	-0.0119	8.74
0.02	0.1970	-0.0268	23.11				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00130 (CH 2029)

AZ = 90.1 DEGREES V = 33 FT 6.6 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00130 (CH 2040)
 AZ = 90.1 DEGREES V = 33 FT 6.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 131 CHANNELS 2042 2043 2044

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0001	-22.54	9.89	0.0088	0.0048	-7.73
5.33	0.0033	0.0020	13.81	19.55	0.0171	0.0092	-7.47
12.31	0.0073	0.0049	9.32	29.57	0.0254	0.0135	-8.58
16.44	0.0102	0.0067	10.04	39.42	0.0334	0.0179	-8.42
20.51	0.0134	0.0087	7.11	49.16	0.0412	0.0223	-7.51
20.46	0.0137	0.0089	4.61	54.50	0.0459	0.0250	-7.72
20.47	0.0136	0.0092	3.90	59.57	0.0507	0.0273	-8.67
27.05	0.0195	0.0126	-0.49	64.20	0.0555	0.0299	-9.78
34.69	0.0286	0.0170	-2.66	69.32	0.0612	0.0328	-9.99
34.53	0.0289	0.0174	-5.00	74.16	0.0661	0.0361	-11.20
34.53	0.0291	0.0175	-4.78	80.16	0.0730	0.0390	-12.27
39.70	0.0343	0.0202	-4.89	85.61	0.0794	0.0426	-12.50
45.90	0.0424	0.0238	-5.42	90.58	0.0851	0.0462	-12.11
45.65	0.0428	0.0240	-6.29	95.69	0.0916	0.0493	-12.06
45.62	0.0429	0.0242	-6.24	100.92	0.0983	0.0528	-11.69
50.10	0.0470	0.0264	-6.60	103.25	0.1014	0.0546	-11.44
53.47	0.0509	0.0284	-6.75	106.11	0.1048	0.0562	-11.62
53.29	0.0513	0.0286	-6.37	108.31	0.1076	0.0576	-11.34
53.21	0.0513	0.0287	-6.33	111.08	0.1114	0.0594	-11.39
50.49	0.0500	0.0277	-6.76	113.24	0.1144	0.0610	-11.01
46.14	0.0473	0.0262	-6.55	117.83	0.1211	0.0638	-10.92
46.13	0.0470	0.0261	-6.81	120.92	0.1259	0.0659	-11.22
44.97	0.0465	0.0263	-5.67	123.28	0.1298	0.0682	-11.12
38.98	0.0423	0.0240	-6.17	122.97	0.1304	0.0684	-11.13
33.99	0.0390	0.0220	-5.92	125.82	0.1347	0.0704	-11.00
33.96	0.0390	0.0219	-6.61	125.60	0.1356	0.0707	-11.04
26.83	0.0335	0.0187	-7.12	127.84	0.1386	0.0723	-10.75
21.88	0.0294	0.0164	-7.68	130.19	0.1426	0.0740	-10.69
21.90	0.0290	0.0163	-9.27	132.53	0.1467	0.0757	-11.04
16.69	0.0248	0.0140	-8.83	135.33	0.1522	0.0782	-11.44
11.74	0.0209	0.0117	-8.50	134.42	0.1522	0.0774	-12.49
11.77	0.0213	0.0116	-6.01	138.35	0.1583	0.0799	-13.02
5.05	0.0154	0.0083	-7.57	140.16	0.1632	0.0816	-12.88
0.02	0.0110	0.0053	-8.61	142.63	0.1689	0.0830	-13.50
-0.04	0.0098	0.0048	-12.28	145.78	0.1762	0.0856	-13.43
-0.02	0.0102	0.0054	-11.05	142.52	0.1717	0.0817	-13.97
-0.02	0.0103	0.0056	-10.00	0.22	0.0414	0.0026	-18.55
0.02	0.0100	0.0055	-9.91				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00131 (CH 2042)

AZ = 90.1 DEGREES V = 33 FT 10.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00131 (CH 2043)

AZ = 90.1 DEGREES V = 33 FT 10.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 132 CHANNELS 2045 2046 2047

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	-0.0002	-33.80	9.89	0.0091	0.0055	-9.88
5.33	0.0034	0.0021	-18.78	19.55	0.0176	0.0108	-12.11
12.31	0.0078	0.0050	-18.63	29.57	0.0261	0.0160	-13.37
16.44	0.0107	0.0066	-18.79	39.42	0.0344	0.0214	-12.11
20.51	0.0142	0.0087	-17.06	49.16	0.0424	0.0265	-12.73
20.46	0.0147	0.0088	-16.73	54.50	0.0471	0.0295	-12.31
20.47	0.0150	0.0087	-17.07	59.57	0.0517	0.0327	-12.48
27.05	0.0217	0.0116	-10.54	64.20	0.0566	0.0356	-11.86
34.69	0.0322	0.0152	-7.28	69.32	0.0617	0.0391	-11.53
34.53	0.0331	0.0153	-8.80	74.16	0.0669	0.0429	-10.99
34.53	0.0333	0.0155	-8.11	80.16	0.0727	0.0472	-10.37
39.70	0.0383	0.0182	-8.25	85.61	0.0784	0.0509	-11.25
45.90	0.0455	0.0231	-8.12	90.58	0.0837	0.0546	-11.18
45.65	0.0459	0.0236	-8.25	95.69	0.0894	0.0587	-11.44
45.62	0.0461	0.0238	-7.95	100.92	0.0955	0.0629	-11.40
50.10	0.0504	0.0265	-7.52	103.25	0.0980	0.0654	-11.26
53.47	0.0542	0.0289	-7.16	106.11	0.1012	0.0676	-10.84
53.29	0.0543	0.0294	-7.07	108.31	0.1037	0.0689	-11.41
53.21	0.0543	0.0295	-7.01	111.08	0.1070	0.0716	-10.90
50.49	0.0528	0.0285	-7.03	113.24	0.1098	0.0735	-10.64
46.14	0.0499	0.0266	-6.55	117.83	0.1156	0.0775	-10.59
46.13	0.0496	0.0265	-6.53	120.92	0.1198	0.0805	-10.95
44.97	0.0489	0.0268	-7.06	123.28	0.1233	0.0832	-10.98
38.98	0.0445	0.0242	-6.33	122.97	0.1235	0.0840	-10.88
33.99	0.0407	0.0218	-6.24	125.82	0.1272	0.0865	-10.65
33.96	0.0407	0.0215	-6.48	125.60	0.1276	0.0869	-10.76
26.83	0.0346	0.0178	-7.20	127.84	0.1302	0.0883	-10.78
21.88	0.0306	0.0150	-8.32	130.19	0.1336	0.0899	-11.14
21.90	0.0306	0.0149	-7.15	132.53	0.1373	0.0923	-10.90
16.69	0.0261	0.0119	-7.87	135.33	0.1423	0.0951	-11.21
11.74	0.0216	0.0092	-7.23	134.42	0.1427	0.0949	-11.53
11.77	0.0213	0.0091	-6.19	138.35	0.1487	0.0978	-11.63
5.05	0.0152	0.0054	-5.70	140.16	0.1522	0.1001	-11.70
0.02	0.0104	0.0023	-4.39	142.63	0.1570	0.1028	-11.51
-0.04	0.0100	0.0023	-1.04	145.78	0.1631	0.1059	-11.66
-0.02	0.0105	0.0027	-1.20	142.52	0.1575	0.1014	-11.18
-0.02	0.0106	0.0025	-2.82	0.22	0.0230	0.0125	0.59
0.02	0.0101	0.0024	-3.40				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00132 (CH 2045)

AZ = 90.15 DEGREES V = 34 FT 2.1 IN.

LINER ROSETTE - MINIMUM STRAIN ROSETTE R00132 (CH 2046)

AZ = 90.15 DEGREES V = 34 FT 2.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 133 CHANNELS 2048 2049 2060

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0002	-39.51	9.89	0.0072	0.0033	-5.29
5.33	0.0039	0.0013	-8.39	19.55	0.0147	0.0086	-3.67
12.31	0.0078	0.0039	-10.32	29.57	0.0226	0.0142	-2.28
16.44	0.0103	0.0058	-9.91	39.42	0.0304	0.0197	-0.50
20.51	0.0135	0.0078	-11.59	49.16	0.0379	0.0246	-2.41
20.46	0.0145	0.0045	-17.97	54.50	0.0426	0.0278	-3.07
20.47	0.0145	0.0077	-19.99	59.57	0.0469	0.0307	-4.40
27.05	0.0202	0.0113	-16.29	64.20	0.0523	0.0329	-6.26
34.69	0.0283	0.0165	-15.73	69.32	0.0574	0.0356	-7.19
34.53	0.0319	0.0140	-27.21	74.16	0.0629	0.0382	-7.82
34.53	0.0319	0.0140	-27.52	80.16	0.0695	0.0406	-8.64
39.70	0.0355	0.0176	-24.97	85.61	0.0755	0.0434	-9.48
45.90	0.0404	0.0227	-17.19	90.58	0.0813	0.0463	-9.69
45.65	0.0402	0.0235	-13.05	95.69	0.0876	0.0487	-10.72
45.62	0.0404	0.0233	-12.81	100.92	0.0944	0.0512	-11.41
50.10	0.0444	0.0259	-11.93	103.25	0.0978	0.0524	-11.69
53.47	0.0482	0.0278	-11.68	106.11	0.1012	0.0544	-11.46
53.29	0.0486	0.0278	-11.78	108.31	0.1041	0.0555	-11.56
53.21	0.0487	0.0278	-11.61	111.08	0.1086	0.0568	-11.76
50.49	0.0473	0.0270	-11.58	113.24	0.1117	0.0580	-11.53
46.14	0.0443	0.0251	-12.58	117.83	0.1191	0.0604	-12.15
46.13	0.0442	0.0251	-11.57	120.92	0.1246	0.0624	-12.56
44.97	0.0446	0.0258	-12.16	123.28	0.1294	0.0642	-12.75
38.98	0.0402	0.0233	-12.24	122.97	0.1302	0.0649	-12.47
33.99	0.0365	0.0206	-13.00	125.82	0.1349	0.0664	-12.92
33.96	0.0365	0.0203	-14.26	125.60	0.1360	0.0669	-12.89
26.83	0.0314	0.0159	-17.29	127.84	0.1390	0.0686	-12.63
21.88	0.0287	0.0121	-21.63	130.19	0.1432	0.0703	-12.85
21.90	0.0299	0.0107	-25.96	132.53	0.1481	0.0719	-12.73
16.69	0.0262	0.0074	-27.61	135.33	0.1543	0.0741	-12.99
11.74	0.0220	0.0049	-27.23	134.42	0.1549	0.0743	-13.24
11.77	0.0207	0.0055	-24.18	138.35	0.1615	0.0770	-13.09
5.05	0.0149	0.0027	-23.91	140.16	0.1658	0.0782	-13.11
0.02	0.0122	0.0014	-27.32	142.63	0.1714	0.0805	-12.92
-0.04	0.0115	0.0012	-26.74	145.78	0.1781	0.0830	-12.86
-0.02	0.0122	0.0015	-27.72	142.52	0.1726	0.0791	-13.16
-0.02	0.0124	0.0011	-29.60	0.22	0.0423	-0.0118	-19.65
0.02	0.0123	0.0007	-30.84				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00133 (CH 2048)
AZ = 90.15 DEGREES V = 34 FT 5.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00133 (CH 2049)
AZ = 90.15 DEGREES V = 34 FT 5.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 134 CHANNELS 2061 2062 2063

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.1414	-0.0244	22.47	9.89	0.1439	-0.7783	22.62
5.33	0.0798	-0.4563	22.53	19.55	0.1483	-0.7686	22.67
12.31	0.0811	-0.4478	22.57	29.57	0.1488	-0.7359	22.71
16.44	0.0844	-0.4548	22.57	39.42	0.1579	-0.7545	22.72
20.51	0.0874	-0.4579	22.60	49.16	0.1625	-0.7473	22.73
20.46	0.0879	-0.4589	22.60	54.50	0.1659	-0.7456	22.75
20.47	0.0879	-0.4582	22.60	59.57	0.1679	-0.7369	22.74
27.05	0.0932	-0.4619	22.68	64.20	0.1714	-0.7335	22.77
34.69	0.0827	-0.3637	23.00	69.32	0.1752	-0.7307	22.80
34.53	0.0837	-0.3660	23.02	74.16	0.1786	-0.7251	22.82
34.53	0.0839	-0.3665	23.02	80.16	0.1815	-0.7179	22.87
39.70	0.1047	-0.4664	22.94	85.61	0.1852	-0.7123	22.91
45.90	0.0782	-0.2809	23.27	90.58	0.1886	-0.7068	22.92
45.65	0.0783	-0.2797	23.28	95.69	0.1924	-0.7029	22.95
45.62	0.0779	-0.2788	23.35	100.92	0.1964	-0.5977	23.00
50.10	0.0614	-0.1630	23.86	103.25	0.1981	-0.6956	23.01
53.47	0.0399	-0.0195	27.84	106.11	0.1998	-0.6923	23.05
53.29	0.0401	-0.0193	27.90	108.31	0.2011	-0.6893	23.05
53.21	0.0410	-0.0241	27.42	111.08	0.2027	-0.6854	23.07
50.49	0.0466	-0.0640	25.40	113.24	0.2041	-0.6830	23.10
46.14	0.0564	-0.1339	24.14	117.83	0.2076	-0.6768	23.14
46.13	0.0560	-0.1327	24.19	120.92	0.2102	-0.6731	23.16
44.97	0.0699	0.0213	16.18	123.28	0.2073	-0.6438	23.22
38.98	0.0600	0.0197	15.07	122.97	0.2077	-0.6437	23.21
33.99	0.0538	0.0180	14.03	125.82	0.2104	-0.6418	23.22
33.96	0.0539	0.0180	14.04	125.60	0.2108	-0.6419	23.23
26.83	0.0546	0.0137	15.42	127.84	0.2128	-0.6395	23.24
21.88	0.0496	0.0116	14.95	130.19	0.2151	-0.6377	23.26
21.90	0.0469	0.0119	13.92	132.53	0.2176	-0.6348	23.28
16.69	0.0373	0.0103	11.76	135.33	0.2210	-0.6304	23.32
11.74	0.0245	0.0089	3.51	134.42	0.2212	-0.6303	23.31
11.77	0.0280	-0.0787	25.09	138.35	0.2248	-0.6242	23.36
5.05	0.0241	-0.0795	24.90	140.16	0.2266	-0.6193	23.40
0.02	0.0207	-0.0809	24.59	142.63	0.2292	-0.6128	23.42
-0.04	0.9170	-0.1504	22.34	145.78	0.2326	-0.6031	23.48
-0.02	0.4354	-0.0679	22.16	142.52	0.2281	-0.6039	23.49
-0.02	0.4135	-0.0641	22.13	0.22	1.7327	-0.2877	22.26
0.02	0.4249	-0.0663	22.16				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00134 (CH 2061)
AZ = 90.15 DEGREES V = 34 FT 8.1 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00134 (CH 2062)

AZ = 90.15 DEGREES V = 34 FT 8.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 135 CHANNELS 2064 2065 2066

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	-5.64	9.89	0.0186	-0.0555	-21.23
5.33	0.0030	0.0012	11.78	19.55	0.0201	-0.0183	-20.20
12.31	0.0066	0.0030	10.62	29.57	0.0261	-0.0101	-20.13
16.44	0.0088	0.0048	11.07	39.42	0.0317	-0.0014	-18.53
20.51	0.0117	0.0072	10.39	49.16	0.0379	0.0042	-17.81
20.46	0.0127	0.0076	10.46	54.50	0.0414	0.0071	-17.96
20.47	0.0119	0.0058	-3.38	59.57	0.0449	0.0111	-16.80
27.05	0.0171	0.0094	-6.76	64.20	0.0488	0.0143	-16.57
34.69	0.0242	0.0153	-6.42	69.32	0.0529	0.0181	-16.76
34.53	0.0249	0.0138	-9.89	74.16	0.0570	0.0220	-15.83
34.53	0.0250	0.0138	-9.27	80.16	0.0621	0.0240	-16.48
39.70	0.0286	0.0170	-9.05	85.61	0.0666	0.0278	-16.14
45.90	0.0339	0.0237	-7.98	90.58	0.0711	0.0308	-15.88
45.65	0.0341	0.0250	-4.60	95.69	0.0761	0.0333	-15.34
45.62	0.0342	0.0250	-6.16	100.92	0.0814	0.0369	-15.22
50.10	0.0373	0.0277	-5.51	103.25	0.0836	0.0378	-15.30
53.47	0.0405	0.0308	-2.65	106.11	0.0861	0.0390	-15.36
53.29	0.0406	0.0312	-2.79	108.31	0.0880	0.0402	-14.44
53.21	0.0408	0.0314	-2.63	111.08	0.0917	0.0407	-13.94
50.49	0.0398	0.0306	-3.08	113.24	0.0936	0.0418	-13.83
46.14	0.0377	0.0287	-5.60	117.83	0.0983	0.0451	-13.58
46.13	0.0375	0.0288	-3.97	120.92	0.1016	0.0467	-13.07
44.97	0.0382	0.0303	-0.46	123.28	0.1042	0.0480	-12.92
38.98	0.0349	0.0286	3.06	122.97	0.1042	0.0485	-12.99
33.99	0.0320	0.0263	1.25	125.82	0.1073	0.0505	-12.68
33.96	0.0320	0.0263	3.85	125.60	0.1079	0.0489	-13.13
26.83	0.0279	0.0220	-0.24	127.84	0.1099	0.0503	-12.88
21.88	0.0248	0.0188	-2.77	130.19	0.1127	0.0514	-12.86
21.90	0.0245	0.0182	-3.23	132.53	0.1150	0.0530	-12.92
16.69	0.0213	0.0150	-0.73	135.33	0.1185	0.0555	-12.60
11.74	0.0177	0.0113	-1.32	134.42	0.1187	0.0558	-12.48
11.77	0.0173	0.0114	-0.62	138.35	0.1224	0.0588	-12.74
5.05	0.0119	0.0077	3.34	140.16	0.1246	0.0610	-12.24
0.02	0.0078	0.0067	-33.76	142.63	0.1275	0.0635	-12.32
-0.04	0.0108	0.0053	-20.23	145.78	0.1310	0.0671	-12.09
-0.02	0.0112	0.0056	-22.73	142.52	0.1272	0.0628	-12.65
-0.02	0.0112	0.0057	-22.98	0.22	0.3309	-0.0433	-23.21
0.02	0.0123	0.0052	-23.64				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00135 (CH 2064)
AZ = 90.15 DEGREES V = 34 FT 9.7 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00135 (CH 2065)
 AZ = 90.15 DEGREES V = 34 FT 9.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 136 CHANNELS 2067 2068 2069

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0011	-0.0002	-18.42	9.89	0.0067	0.0059	30.25
5.33	0.0027	0.0011	20.45	19.55	0.0124	0.0106	28.35
12.31	0.0042	0.0017	-11.97	29.57	0.0181	0.0162	8.78
16.44	0.0055	0.0020	-20.31	39.42	0.0234	0.0208	11.73
20.51	0.0072	0.0026	-44.13	49.16	0.0287	0.0257	1.83
20.46	0.0082	0.0028	-43.51	54.50	0.0314	0.0264	15.03
20.47	0.0075	0.0000	38.71	59.57	0.0348	0.0314	14.63
27.05	0.0134	0.0056	27.06	64.20	0.0376	0.0341	31.16
34.69	0.0222	0.0140	17.82	69.32	0.0423	0.0370	32.42
34.53	0.0223	0.0206	12.21	74.16	0.0464	0.0390	42.85
34.53	0.0225	0.0207	16.77	80.16	0.0547	0.0458	23.23
39.70	0.0263	0.0247	-36.17	85.61	0.0592	0.0504	25.42
45.90	0.0327	0.0298	-13.53	90.58	0.0639	0.0541	28.57
45.65	0.0321	0.0293	7.28	95.69	0.0691	0.0585	28.63
45.62	0.0323	0.0284	14.74	100.92	0.0748	0.0624	30.76
50.10	0.0360	0.0314	9.36	103.25	0.0774	0.0647	30.07
53.47	0.0394	0.0340	11.43	106.11	0.0805	0.0667	30.34
53.29	0.0397	0.0345	14.12	108.31	0.0827	0.0687	30.44
53.21	0.0400	0.0351	13.81	111.08	0.0859	0.0706	31.53
50.49	0.0394	0.0343	16.53	113.24	0.0885	0.0724	31.47
46.14	0.0374	0.0319	26.22	117.83	0.0938	0.0763	31.91
46.13	0.0375	0.0321	24.07	120.92	0.0979	0.0794	31.55
44.97	0.0381	0.0331	43.06	123.28	0.1015	0.0824	32.57
38.98	0.0358	0.0297	43.41	122.97	0.1025	0.0823	33.51
33.99	0.0334	0.0271	40.35	125.82	0.1056	0.0842	34.38
33.96	0.0334	0.0249	36.04	125.60	0.1063	0.0834	35.78
26.83	0.0293	0.0207	36.86	127.84	0.1085	0.0846	35.80
21.88	0.0264	0.0185	36.77	130.19	0.1114	0.0860	36.88
21.90	0.0260	0.0207	35.52	132.53	0.1142	0.0883	37.23
16.69	0.0229	0.0187	41.20	135.33	0.1180	0.0905	38.43
11.74	0.0197	0.0162	39.41	134.42	0.1182	0.0882	41.17
11.77	0.0192	0.0156	33.17	138.35	0.1224	0.0885	42.17
5.05	0.0157	0.0120	28.87	140.16	0.1255	0.0888	44.77
0.02	0.0118	0.0087	34.89	142.63	0.1299	0.0921	-44.03
-0.04	0.0132	0.0112	18.09	145.78	0.1354	0.0977	-44.39
-0.02	0.0128	0.0112	35.78	142.52	0.1332	0.0915	-44.96
-0.02	0.0127	0.0110	37.48	0.22	0.0326	0.0027	-41.93
0.02	0.0146	0.0108	-3.81				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00136 (CH 2067)
 AZ = 228.12 DEGREES V = 28 FT 10.6 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00136 (CH 2068)

AZ = 228.12 DEGREES V = 28 FT 10.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 137 CHANNELS 2080 2081 2082

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0007	34.66	9.89	0.0074	0.0062	42.48
5.33	0.0016	0.0012	1.60	19.55	0.0135	0.0121	-40.56
12.31	0.0037	0.0032	26.72	29.57	0.0198	0.0180	-43.32
16.44	0.0055	0.0046	9.38	39.42	0.0246	0.0236	-13.73
20.51	0.0083	0.0061	17.31	49.16	0.0303	0.0290	-4.87
20.46	0.0093	0.0070	15.93	54.50	0.0338	0.0329	-26.69
20.47	0.0091	0.0060	24.29	59.57	0.0374	0.0361	-17.72
27.05	0.0145	0.0108	18.42	64.20	0.0448	0.0399	30.78
34.69	0.0227	0.0180	11.96	69.32	0.0487	0.0441	35.42
34.53	0.0241	0.0177	20.53	74.16	0.0573	0.0475	30.99
34.53	0.0243	0.0182	20.97	80.16	0.0569	0.0402	14.08
39.70	0.0282	0.0227	18.69	85.61	0.0619	0.0439	13.20
45.90	0.0370	0.0279	26.33	90.58	0.0667	0.0468	13.66
45.65	0.0379	0.0285	27.32	95.69	0.0719	0.0494	12.72
45.62	0.0381	0.0287	27.49	100.92	0.0773	0.0524	12.55
50.10	0.0415	0.0317	27.48	103.25	0.0800	0.0536	12.61
53.47	0.0445	0.0345	26.62	106.11	0.0828	0.0558	12.05
53.29	0.0449	0.0352	25.87	108.31	0.0849	0.0574	11.50
53.21	0.0452	0.0353	26.30	111.08	0.0881	0.0595	11.51
50.49	0.0443	0.0347	26.64	113.24	0.0905	0.0609	11.39
46.14	0.0424	0.0330	26.98	117.83	0.0957	0.0649	10.67
46.13	0.0423	0.0329	27.32	120.92	0.0998	0.0679	10.44
44.97	0.0411	0.0344	16.02	123.28	0.1032	0.0718	9.41
38.98	0.0380	0.0317	16.08	122.97	0.1035	0.0738	8.39
33.99	0.0353	0.0289	15.25	125.82	0.1067	0.0779	7.00
33.96	0.0351	0.0282	16.47	125.60	0.1076	0.0808	5.06
26.83	0.0311	0.0244	14.35	127.84	0.1100	0.0836	3.93
21.88	0.0279	0.0212	11.69	130.19	0.1133	0.0877	2.17
21.90	0.0277	0.0208	11.92	132.53	0.1168	0.0909	0.56
16.69	0.0246	0.0175	14.16	135.33	0.1213	0.0954	-0.96
11.74	0.0216	0.0148	17.02	134.42	0.1221	0.1008	-8.54
11.77	0.0209	0.0154	14.65	138.35	0.1281	0.1075	-15.88
5.05	0.0169	0.0119	14.85	140.16	0.1304	0.1077	-9.87
0.02	0.0135	0.0093	14.40	142.63	0.1343	0.1099	-8.27
-0.04	0.0141	0.0112	16.78	145.78	0.1391	0.1092	-2.53
-0.02	0.0140	0.0113	13.83	142.52	0.1342	0.1015	0.79
-0.02	0.0137	0.0110	7.62	0.22	0.0294	0.0143	-5.82
0.02	0.0129	0.0096	-3.96				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00137 (CH 2080)
 AZ = 228.59 DEGREES V = 31 FT 5.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00137 (CH 2081)
 AZ = 228.59 DEGREES V = 31 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 138 CHANNELS 2083 2084 2085

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	0.0001	19.23	9.89	0.0040	-0.0028	43.98
5.33	-0.0026	-0.0077	-33.40	19.55	0.0106	0.0007	-36.61
12.31	-0.0015	-0.0103	-26.24	29.57	0.0173	0.0047	-32.08
16.44	0.0004	-0.0099	-22.84	39.42	0.0241	0.0087	-29.81
20.51	0.0037	-0.0091	-21.84	49.16	0.0306	0.0126	-28.63
20.46	0.0042	-0.0088	-22.26	54.50	0.0345	0.0151	-28.49
20.47	0.0045	-0.0088	-22.91	59.57	0.0387	0.0175	-27.51
27.05	0.0108	-0.0063	-21.49	64.20	0.0422	0.0207	-26.29
34.69	0.0188	-0.0025	-22.86	69.32	0.0462	0.0238	-25.05
34.53	0.0199	-0.0021	-24.79	74.16	0.0502	0.0272	-23.58
34.53	0.0198	-0.0019	-24.19	80.16	0.0550	0.0308	-22.46
39.70	0.0231	0.0006	-23.58	85.61	0.0593	0.0342	-19.90
45.90	0.0277	0.0049	-22.85	90.58	0.0640	0.0373	-18.91
45.65	0.0278	0.0054	-22.32	95.69	0.0685	0.0407	-17.07
45.62	0.0279	0.0057	-22.70	100.92	0.0736	0.0442	-15.58
50.10	0.0308	0.0080	-22.30	103.25	0.0761	0.0460	-15.13
53.47	0.0334	0.0103	-21.84	106.11	0.0789	0.0477	-14.59
53.29	0.0335	0.0109	-21.82	108.31	0.0809	0.0492	-13.81
53.21	0.0336	0.0110	-21.81	111.08	0.0840	0.0512	-13.32
50.49	0.0324	0.0105	-22.11	113.24	0.0864	0.0526	-12.88
46.14	0.0301	0.0091	-22.51	117.83	0.0916	0.0558	-11.43
46.13	0.0301	0.0089	-22.42	120.92	0.0952	0.0584	-10.66
44.97	0.0308	0.0088	-24.75	123.28	0.0982	0.0606	-10.03
38.98	0.0272	0.0070	-25.47	122.97	0.0988	0.0611	-10.34
33.99	0.0245	0.0048	-26.39	125.82	0.1020	0.0632	-9.58
33.96	0.0246	0.0047	-26.96	125.60	0.1027	0.0637	-9.27
26.83	0.0196	0.0020	-27.79	127.84	0.1053	0.0652	-9.47
21.88	0.0166	0.0000	-29.51	130.19	0.1085	0.0671	-9.15
21.90	0.0162	-0.0001	-29.51	132.53	0.1116	0.0690	-8.50
16.69	0.0126	-0.0021	-30.69	135.33	0.1158	0.0714	-7.25
11.74	0.0086	-0.0037	-32.84	134.42	0.1154	0.0717	-7.39
11.77	0.0080	-0.0036	-31.50	138.35	0.1213	0.0747	-6.99
5.05	0.0036	-0.0047	-33.28	140.16	0.1244	0.0763	-6.39
0.02	0.0039	-0.0028	-10.13	142.63	0.1283	0.0785	-5.96
-0.04	0.0036	-0.0020	-7.05	145.78	0.1333	0.0814	-5.46
-0.02	0.0038	-0.0021	-7.92	142.52	0.1283	0.0774	-4.42
-0.02	0.0038	-0.0022	-8.70	0.22	0.0217	-0.0073	27.93
0.02	0.0036	-0.0022	-11.51				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00138 (CH 2083)

AZ = 229.35 DEGREES V = 33 FT 6.4 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00138 (CH 2084)
 AZ = 229.35 DEGREES V = 33 FT 6.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 139 CHANNELS 2086 2087 2088

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0011	-0.0008	-30.76	9.89	0.0099	-0.0315	2.18
5.33	0.0052	-0.0078	4.79	19.55	0.0184	-0.0326	-1.88
12.31	0.0126	-0.0260	1.63	29.57	0.0250	-0.0258	-1.27
16.44	0.0152	-0.0362	0.48	39.42	0.0295	-0.0203	-0.31
20.51	0.0164	-0.0475	-0.28	49.16	0.0338	-0.0147	0.26
20.46	0.0159	-0.0480	-0.39	54.50	0.0358	-0.0119	0.80
20.47	0.0155	-0.0481	-0.35	59.57	0.0382	-0.0087	1.03
27.05	0.0162	-0.0564	-2.06	64.20	0.0427	-0.0053	3.81
34.69	0.0201	-0.0569	-3.65	69.32	0.0485	-0.0024	5.00
34.53	0.0205	-0.0563	-3.81	74.16	0.0521	0.0006	6.38
34.53	0.0206	-0.0561	-3.83	80.16	0.0636	0.0047	1.65
39.70	0.0239	-0.0547	-4.03	85.61	0.0703	0.0084	0.83
45.90	0.0293	-0.0512	-4.61	90.58	0.0760	0.0115	0.35
45.65	0.0293	-0.0509	-4.68	95.69	0.0830	0.0150	0.35
45.62	0.0294	-0.0509	-4.72	100.92	0.0887	0.0186	0.04
50.10	0.0317	-0.0470	-4.68	103.25	0.0919	0.0198	-0.08
53.47	0.0339	-0.0444	-4.61	106.11	0.0947	0.0216	-0.31
53.29	0.0341	-0.0443	-4.65	108.31	0.0977	0.0224	-0.19
53.21	0.0343	-0.0442	-4.68	111.08	0.1014	0.0288	-2.05
50.49	0.0340	-0.0448	-4.73	113.24	0.1039	0.0296	-1.99
46.14	0.0325	-0.0459	-4.72	117.83	0.1096	0.0323	-2.51
46.13	0.0324	-0.0459	-4.71	120.92	0.1141	0.0349	-2.60
44.97	0.0334	-0.0453	-4.99	123.28	0.1168	0.0365	-2.39
38.98	0.0304	-0.0470	-4.62	122.97	0.1171	0.0370	-2.63
33.99	0.0277	-0.0484	-4.51	125.82	0.1201	0.0390	-2.45
33.96	0.0270	-0.0482	-4.24	125.60	0.1207	0.0395	-2.49
26.83	0.0246	-0.0501	-4.82	127.84	0.1229	0.0407	-2.37
21.88	0.0224	-0.0516	-4.91	130.19	0.1260	0.0427	-2.51
21.90	0.0223	-0.0517	-4.97	132.53	0.1291	0.0444	-2.40
16.69	0.0202	-0.0534	-5.49	135.33	0.1328	0.0470	-2.32
11.74	0.0162	-0.0554	-5.64	134.42	0.1332	0.0474	-2.33
11.77	0.0162	-0.0557	-5.75	138.35	0.1369	0.0500	-1.90
5.05	0.0069	-0.0459	-4.71	140.16	0.1398	0.0519	-1.94
0.02	0.0011	-0.0252	-10.65	142.63	0.1429	0.0539	-1.72
-0.04	0.0026	-0.0213	-10.83	145.78	0.1478	0.0564	-1.30
-0.02	0.0030	-0.0222	-10.36	142.52	0.1473	0.0538	-1.83
-0.02	0.0031	-0.0226	-10.67	0.22	0.0423	-0.0243	-6.12
0.02	0.0023	-0.0230	-10.52				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00139 (CH 2086)
 AZ = FOCAL POINT OF DOME V = 34 FT 10.8 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00139 (CH 2087)

AZ = FOCAL POINT OF DOME V = 34 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 140 CHANNELS 2089 2100 2101

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	-6.00	9.89	0.0038	-0.0063	17.92
5.33	0.0040	-0.0019	3.78	19.55	0.0051	-0.0147	13.58
12.31	0.0032	-0.0070	13.33	29.57	0.0082	-0.0179	8.59
16.44	0.0041	-0.0102	12.07	39.42	0.0117	-0.0206	5.46
20.51	0.0047	-0.0124	9.55	49.16	0.0152	-0.0249	4.40
20.46	0.0046	-0.0124	9.03	54.50	0.0166	-0.0280	4.14
20.47	0.0048	-0.0123	9.81	59.57	0.0190	-0.0293	2.97
27.05	0.0075	-0.0143	3.07	64.20	0.0209	-0.0309	2.40
34.69	0.0105	-0.0166	1.78	69.32	0.0234	-0.0326	0.97
34.53	0.0105	-0.0166	1.59	74.16	0.0240	-0.0359	2.09
34.53	0.0105	-0.0166	1.59	80.16	0.0253	-0.0385	1.40
39.70	0.0129	-0.0186	0.55	85.61	0.0277	-0.0405	0.76
45.90	0.0154	-0.0211	0.81	90.58	0.0293	-0.0423	0.16
45.65	0.0153	-0.0215	0.30	95.69	0.0305	-0.0443	-0.08
45.62	0.0153	-0.0214	0.54	100.92	0.0313	-0.0468	-0.14
50.10	0.0171	-0.0229	-0.24	103.25	0.0338	-0.0455	-1.20
53.47	0.0190	-0.0243	0.09	106.11	0.0323	-0.0472	-0.63
53.29	0.0189	-0.0244	-0.17	108.31	0.0321	-0.0481	-0.15
53.21	0.0190	-0.0246	-0.23	111.08	0.0343	-0.0489	-0.89
50.49	0.0178	-0.0225	0.57	113.24	0.0329	-0.0497	-0.54
46.14	0.0166	-0.0203	0.84	117.83	0.0344	-0.0530	-0.81
46.13	0.0167	-0.0203	0.82	120.92	0.0372	-0.0514	-2.59
44.97	0.0162	-0.0198	0.91	123.28	0.0360	-0.0505	-2.06
38.98	0.0155	-0.0169	2.53	122.97	0.0360	-0.0512	-2.30
33.99	0.0122	-0.0132	2.00	125.82	0.0357	-0.0523	-2.35
33.96	0.0120	-0.0132	2.36	125.60	0.0351	-0.0531	-2.61
26.83	0.0099	-0.0064	-10.42	127.84	0.0387	-0.0509	-3.84
21.88	0.0098	-0.0042	-18.36	130.19	0.0348	-0.0536	-2.48
21.90	0.0100	-0.0041	-17.63	132.53	0.0329	-0.0531	-3.37
16.69	0.0079	-0.0030	-21.73	135.33	0.0313	-0.0528	-3.66
11.74	0.0068	-0.0019	-22.51	134.42	0.0307	-0.0543	-3.61
11.77	0.0069	-0.0019	-22.90	138.35	0.0292	-0.0576	-2.70
5.05	0.0047	-0.0005	-9.70	140.16	0.0281	-0.0619	-3.13
0.02	0.0006	-0.0001	-29.13	142.63	0.0222	-0.0664	-2.66
-0.04	0.0002	0.0001	-36.79	145.78	0.0189	-0.0666	-4.16
-0.02	0.0002	0.0001	-8.48	142.52	0.0118	-0.0596	-2.36
-0.02	0.0005	0.0000	38.68	0.22	0.0106	-0.0121	3.47
0.02	0.0006	-0.0001	32.55				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00140 (CH 2089)

AZ = 0.0 DEGREES Z = -0.0 FT 0.3 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00140 (CH 2100)
AZ = 0.0 DEGREES Z = -0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 141 CHANNELS 2102 2103 2104

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0011	-37.79	9.89	0.0040	-0.0052	-32.82
5.33	0.0003	-0.0012	-35.38	19.55	0.0090	-0.0127	-30.69
12.31	0.0027	-0.0058	-29.91	29.57	0.0104	-0.0130	-32.12
16.44	0.0038	-0.0092	-27.70	39.42	0.0110	-0.0119	-35.09
20.51	0.0048	-0.0111	-26.63	49.16	0.0132	-0.0119	-36.60
20.46	0.0047	-0.0113	-26.93	54.50	0.0148	-0.0115	-37.83
20.47	0.0047	-0.0114	-26.56	59.57	0.0145	-0.0103	-40.58
27.05	0.0041	-0.0116	-28.03	64.20	0.0150	-0.0098	-42.33
34.69	0.0049	-0.0105	-36.04	69.32	0.0141	-0.0088	-44.80
34.53	0.0048	-0.0103	-36.04	74.16	0.0173	-0.0096	-44.08
34.53	0.0050	-0.0106	-35.99	80.16	0.0174	-0.0090	44.87
39.70	0.0050	-0.0099	-37.18	85.61	0.0169	-0.0081	43.42
45.90	0.0060	-0.0101	-41.29	90.58	0.0163	-0.0068	42.23
45.65	0.0061	-0.0100	-41.14	95.69	0.0169	-0.0054	40.83
45.62	0.0059	-0.0097	-40.69	100.92	0.0188	-0.0047	40.84
50.10	0.0064	-0.0094	-43.05	103.25	0.0163	-0.0026	39.04
53.47	0.0073	-0.0098	-44.20	106.11	0.0206	-0.0030	37.87
53.29	0.0074	-0.0098	-43.98	108.31	0.0226	-0.0023	37.13
53.21	0.0073	-0.0096	-43.67	111.08	0.0213	-0.0007	37.08
50.49	0.0070	-0.0106	-42.55	113.24	0.0249	-0.0004	35.16
46.14	0.0059	-0.0115	-38.92	117.83	0.0258	0.0027	36.91
46.13	0.0059	-0.0115	-38.96	120.92	0.0235	0.0049	32.32
44.97	0.0056	-0.0111	-38.58	123.28	0.0277	0.0056	28.69
38.98	0.0048	-0.0132	-36.28	122.97	0.0277	0.0060	28.45
33.99	0.0037	-0.0118	-40.72	125.82	0.0300	0.0078	27.69
33.96	0.0037	-0.0118	-41.34	125.60	0.0305	0.0084	26.68
26.83	-0.0004	-0.0080	10.76	127.84	0.0282	0.0085	23.60
21.88	0.0001	-0.0094	-12.45	130.19	0.0348	0.0110	26.59
21.90	0.0000	-0.0094	-11.24	132.53	0.0394	0.0132	20.63
16.69	0.0007	-0.0090	-16.72	135.33	0.0456	0.0155	16.86
11.74	0.0008	-0.0076	-21.37	134.42	0.0463	0.0167	15.24
11.77	0.0008	-0.0075	-21.57	138.35	0.0511	0.0176	17.78
5.05	0.0007	-0.0030	-18.85	140.16	0.0533	0.0200	15.84
0.02	0.0002	-0.0018	14.44	142.63	0.0607	0.0209	14.29
-0.04	0.0006	-0.0012	14.49	145.78	0.0672	0.0200	10.03
-0.02	0.0005	-0.0014	12.19	142.52	0.0664	0.0152	14.15
-0.02	0.0001	-0.0014	10.99	0.22	0.0074	-0.0074	-29.57
0.02	0.0000	-0.0015	11.52				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00141 (CH 2102)

AZ = 0.0 DEGREES Z = 0.0 FT 0.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00141 (CH 2103)

AZ = 0.0 DEGREES Z = 0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 142 CHANNELS 2105 2106 2107

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	-0.0002	-12.56	9.89	0.0014	-0.0004	-44.90
5.33	0.0011	-0.0008	-15.85	19.55	0.0095	0.0000	-41.77
12.31	0.0028	-0.0021	-13.29	29.57	0.0189	0.0007	-39.71
16.44	0.0036	-0.0027	-12.21	39.42	0.0288	0.0012	-36.08
20.51	0.0045	-0.0033	-10.45	49.16	0.0389	0.0003	-32.47
20.46	0.0046	-0.0032	-9.32	54.50	0.0454	-0.0006	-31.22
20.47	0.0046	-0.0030	-6.02	59.57	0.0492	-0.0012	-30.47
27.05	0.0080	-0.0038	-1.91	64.20	0.0535	-0.0018	-30.23
34.69	0.0132	-0.0049	0.93	69.32	0.0572	-0.0027	-29.48
34.53	0.0143	-0.0048	1.97	74.16	0.0618	-0.0040	-29.32
34.53	0.0143	-0.0048	1.08	80.16	0.0653	-0.0038	-28.00
39.70	0.0174	-0.0057	2.53	85.61	0.0684	-0.0042	-27.93
45.90	0.0236	-0.0066	4.36	90.58	0.0708	-0.0048	-27.57
45.65	0.0245	-0.0068	5.51	95.69	0.0736	-0.0048	-27.49
45.62	0.0248	-0.0070	5.27	100.92	0.0767	-0.0057	-27.27
50.10	0.0281	-0.0076	6.42	103.25	0.0781	-0.0059	-27.29
53.47	0.0311	-0.0083	6.16	106.11	0.0790	-0.0061	-27.05
53.29	0.0318	-0.0082	6.58	108.31	0.0800	-0.0062	-27.09
53.21	0.0320	-0.0083	6.37	111.08	0.0808	-0.0065	-26.81
50.49	0.0324	-0.0081	6.64	113.24	0.0820	-0.0065	-26.84
46.14	0.0327	-0.0079	7.08	117.83	0.0837	-0.0071	-26.59
46.13	0.0325	-0.0080	6.72	120.92	0.0845	-0.0072	-26.41
44.97	0.0325	-0.0075	7.03	123.28	0.0858	-0.0073	-26.30
38.98	0.0324	-0.0073	7.21	122.97	0.0860	-0.0073	-26.30
33.99	0.0321	-0.0071	7.09	125.82	0.0874	-0.0076	-26.17
33.96	0.0323	-0.0071	7.45	125.60	0.0882	-0.0077	-26.27
26.83	0.0303	-0.0066	7.38	127.84	0.0894	-0.0079	-26.51
21.88	0.0267	-0.0057	7.94	130.19	0.0906	-0.0083	-26.37
21.90	0.0266	-0.0058	7.84	132.53	0.0916	-0.0089	-26.13
16.69	0.0231	-0.0049	8.01	135.33	0.0933	-0.0089	-26.39
11.74	0.0199	-0.0042	10.22	134.42	0.0933	-0.0090	-26.48
11.77	0.0198	-0.0042	10.07	138.35	0.0944	-0.0094	-26.37
5.05	0.0152	-0.0035	12.23	140.16	0.0946	-0.0091	-26.13
0.02	0.0110	-0.0025	17.22	142.63	0.0955	-0.0091	-26.02
-0.04	0.0110	-0.0024	15.90	145.78	0.0961	-0.0086	-25.98
-0.02	0.0110	-0.0024	16.02	142.52	0.0923	-0.0089	-25.58
-0.02	0.0107	-0.0024	15.31	0.22	0.0203	-0.0033	-17.53
0.02	0.0106	-0.0025	15.05				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00142 (CH 2105)

AZ = 269.95 DEGREES Z = -0.0 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00142 (CH 2106)

AZ = 269.95 DEGREES V = -0.0 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 143 CHANNELS 2108 2109 2120

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0012	-0.0006	44.38	9.89	0.0010	-0.0040	-6.68
5.33	0.0015	-0.0004	-35.64	19.55	0.0026	-0.0117	-8.99
12.31	0.0031	-0.0006	-32.73	29.57	0.0040	-0.0181	-8.61
16.44	0.0037	-0.0007	-32.20	39.42	0.0049	-0.0221	-5.47
20.51	0.0042	-0.0011	-37.48	49.16	0.0058	-0.0254	-5.70
20.46	0.0039	-0.0012	-39.14	54.50	0.0063	-0.0269	-5.75
20.47	0.0044	-0.0016	-41.19	59.57	0.0067	-0.0289	-6.43
27.05	0.0027	-0.0019	37.54	64.20	0.0073	-0.0310	-6.09
34.69	0.0016	-0.0049	11.88	69.32	0.0081	-0.0333	-6.72
34.53	0.0019	-0.0063	-18.31	74.16	0.0102	-0.0367	-11.45
34.53	0.0017	-0.0061	-14.48	80.16	0.0114	-0.0400	-11.62
39.70	0.0019	-0.0089	-11.92	85.61	0.0124	-0.0431	-11.50
45.90	0.0020	-0.0150	-7.47	90.58	0.0135	-0.0458	-11.43
45.65	0.0021	-0.0160	-8.51	95.69	0.0145	-0.0482	-10.90
45.62	0.0020	-0.0161	-7.19	100.92	0.0157	-0.0510	-11.19
50.10	0.0022	-0.0186	-5.52	103.25	0.0162	-0.0527	-11.52
53.47	0.0024	-0.0215	-5.51	106.11	0.0168	-0.0540	-11.52
53.29	0.0022	-0.0221	-4.52	108.31	0.0174	-0.0548	-11.14
53.21	0.0022	-0.0224	-5.02	111.08	0.0179	-0.0566	-10.99
50.49	0.0022	-0.0227	-4.70	113.24	0.0185	-0.0579	-10.93
46.14	0.0022	-0.0231	-5.40	117.83	0.0198	-0.0609	-10.51
46.13	0.0020	-0.0231	-5.70	120.92	0.0205	-0.0632	-10.33
44.97	0.0020	-0.0233	-6.55	123.28	0.0212	-0.0652	-10.05
38.98	0.0018	-0.0238	-7.14	122.97	0.0212	-0.0654	-10.07
33.99	0.0018	-0.0240	-7.31	125.82	0.0222	-0.0675	-9.89
33.96	0.0019	-0.0239	-6.76	125.60	0.0222	-0.0678	-9.86
26.83	0.0020	-0.0234	-7.02	127.84	0.0228	-0.0695	-9.76
21.88	0.0021	-0.0207	-9.02	130.19	0.0236	-0.0716	-9.65
21.90	0.0025	-0.0210	-10.95	132.53	0.0242	-0.0734	-9.57
16.69	0.0026	-0.0191	-12.49	135.33	0.0252	-0.0762	-9.14
11.74	0.0027	-0.0171	-11.84	134.42	0.0256	-0.0764	-9.25
11.77	0.0026	-0.0168	-10.96	138.35	0.0265	-0.0786	-8.44
5.05	0.0028	-0.0142	-11.80	140.16	0.0267	-0.0796	-7.88
0.02	0.0024	-0.0112	-12.03	142.63	0.0281	-0.0821	-8.22
-0.04	0.0021	-0.0110	-15.29	145.78	0.0296	-0.0850	-7.74
-0.02	0.0023	-0.0109	-14.73	142.52	0.0291	-0.0800	-6.34
-0.02	0.0023	-0.0109	-14.50	0.22	0.0048	-0.0062	20.47
0.02	0.0027	-0.0111	-13.99				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00143 (CH 2108)

AZ = 269.95 DEGREES Z = 0.0 FT 0.3 IN.

LINER ROSETTE - MINIMUM STRAIN ROSETTE R00143 (CH 2109)

AZ = 269.95 DEGREES Z = 0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 144 CHANNELS 2121 2122 2123

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure	Maximum	%Strain	Minimum	Angle	Pressure	Maximum	%Strain	Minimum	Angle	Pressure	Maximum	%Strain	Minimum	Angle
0.05	0.0007	-0.0005	14.14	14.14	9.89	0.0020	-0.0044	-0.0044	11.36	0.0509	0.0736	0.0736	-0.0041	21.95
5.33	0.0003	-0.0002	34.02	34.02	19.55	0.0027	-0.0068	-0.0068	6.91	0.0695	0.0736	0.0736	-0.0041	21.95
12.31	0.0007	-0.0004	-13.51	-13.51	29.57	0.0039	-0.0086	-0.0086	3.29	0.0695	0.0736	0.0736	-0.0041	21.95
16.44	0.0009	-0.0011	-13.97	-13.97	39.42	0.0063	-0.0083	-0.0083	0.52	0.0695	0.0736	0.0736	-0.0041	21.95
20.51	0.0008	-0.0039	-7.42	-7.42	49.16	0.0087	-0.0047	-0.0047	-6.22	0.0695	0.0736	0.0736	-0.0041	21.95
20.46	0.0009	-0.0041	-10.64	-10.64	54.50	0.0112	-0.0012	-0.0012	-15.31	0.0695	0.0736	0.0736	-0.0041	21.95
20.47	0.0002	-0.0041	-9.44	-9.44	59.57	0.0139	0.0009	0.0009	-28.27	0.0695	0.0736	0.0736	-0.0041	21.95
27.05	0.0009	-0.0065	-11.16	-11.16	64.20	0.0178	0.0021	0.0021	-42.88	0.0695	0.0736	0.0736	-0.0041	21.95
34.69	0.0003	-0.0069	-8.88	-8.88	69.32	0.0223	0.0015	0.0015	38.75	0.0695	0.0736	0.0736	-0.0041	21.95
34.53	-0.0027	-0.0070	-4.07	-4.07	74.16	0.0285	0.0011	0.0011	32.59	0.0695	0.0736	0.0736	-0.0041	21.95
34.53	-0.0029	-0.0070	-3.30	-3.30	80.16	0.0374	0.0003	0.0003	29.80	0.0695	0.0736	0.0736	-0.0041	21.95
39.70	-0.0023	-0.0070	-9.59	-9.59	85.61	0.0411	-0.0003	-0.0003	28.07	0.0695	0.0736	0.0736	-0.0041	21.95
45.90	-0.0013	-0.0077	-9.25	-9.25	90.58	0.0453	-0.0010	-0.0010	27.28	0.0695	0.0736	0.0736	-0.0041	21.95
45.65	0.0000	-0.0075	-10.37	-10.37	95.69	0.0499	-0.0017	-0.0017	26.20	0.0695	0.0736	0.0736	-0.0041	21.95
45.62	0.0000	-0.0076	-8.56	-8.56	100.92	0.0536	-0.0030	-0.0030	26.95	0.0695	0.0736	0.0736	-0.0041	21.95
50.10	0.0004	-0.0083	-10.84	-10.84	103.25	0.0567	-0.0035	-0.0035	26.63	0.0695	0.0736	0.0736	-0.0041	21.95
53.47	0.0008	-0.0097	-11.54	-11.54	106.11	0.0587	-0.0042	-0.0042	26.58	0.0695	0.0736	0.0736	-0.0041	21.95
53.29	0.0010	-0.0101	-10.65	-10.65	108.31	0.0599	-0.0046	-0.0046	26.59	0.0695	0.0736	0.0736	-0.0041	21.95
53.21	0.0010	-0.0102	-9.61	-9.61	111.08	0.0626	-0.0054	-0.0054	26.35	0.0695	0.0736	0.0736	-0.0041	21.95
50.49	0.0010	-0.0099	-10.17	-10.17	113.24	0.0641	-0.0056	-0.0056	25.95	0.0695	0.0736	0.0736	-0.0041	21.95
46.14	0.0008	-0.0100	-9.47	-9.47	117.83	0.0657	-0.0055	-0.0055	25.46	0.0695	0.0736	0.0736	-0.0041	21.95
46.13	0.0009	-0.0101	-9.75	-9.75	120.92	0.0673	-0.0055	-0.0055	24.80	0.0695	0.0736	0.0736	-0.0041	21.95
44.97	0.0004	-0.0105	-10.30	-10.30	123.28	0.0709	-0.0051	-0.0051	23.83	0.0695	0.0736	0.0736	-0.0041	21.95
38.98	0.0001	-0.0102	-9.26	-9.26	122.97	0.0727	-0.0049	-0.0049	23.27	0.0695	0.0736	0.0736	-0.0041	21.95
33.99	0.0002	-0.0100	-10.01	-10.01	125.82	0.0742	-0.0047	-0.0047	22.84	0.0695	0.0736	0.0736	-0.0041	21.95
33.96	-0.0001	-0.0098	-9.19	-9.19	125.60	0.0760	-0.0043	-0.0043	22.32	0.0695	0.0736	0.0736	-0.0041	21.95
26.83	-0.0006	-0.0093	-10.85	-10.85	127.84	0.0766	-0.0045	-0.0045	22.22	0.0695	0.0736	0.0736	-0.0041	21.95
21.88	-0.0011	-0.0091	-9.77	-9.77	130.19	0.0772	-0.0043	-0.0043	21.89	0.0695	0.0736	0.0736	-0.0041	21.95
21.90	-0.0020	-0.0091	-10.48	-10.48	132.53	0.0776	-0.0043	-0.0043	22.07	0.0695	0.0736	0.0736	-0.0041	21.95
16.69	-0.0021	-0.0090	-12.45	-12.45	135.33	0.0780	-0.0043	-0.0043	21.93	0.0695	0.0736	0.0736	-0.0041	21.95
11.74	-0.0019	-0.0086	-11.59	-11.59	134.42	0.0788	-0.0042	-0.0042	21.46	0.0695	0.0736	0.0736	-0.0041	21.95
11.77	-0.0007	-0.0084	-10.55	-10.55	138.35	0.0778	-0.0043	-0.0043	21.46	0.0695	0.0736	0.0736	-0.0041	21.95
5.05	-0.0006	-0.0075	-11.23	-11.23	140.16	0.0767	-0.0042	-0.0042	21.95	0.0695	0.0736	0.0736	-0.0041	21.95
0.02	-0.0003	-0.0068	-13.14	-13.14	142.63	0.0736	-0.0041	-0.0041	22.60	0.0695	0.0736	0.0736	-0.0041	21.95
-0.04	0.0004	-0.0066	-11.46	-11.46	145.78	0.0695	-0.0044	-0.0044	23.96	0.0695	0.0736	0.0736	-0.0041	21.95
-0.02	0.0006	-0.0063	-14.18	-14.18	142.52	0.0660	-0.0047	-0.0047	24.74	0.0695	0.0736	0.0736	-0.0041	21.95
-0.02	0.0007	-0.0063	-15.00	-15.00	142.52	0.0660	-0.0047	-0.0047	24.74	0.0695	0.0736	0.0736	-0.0041	21.95
0.02	0.0007	-0.0058	-16.07	-16.07	0.22	0.0509	-0.0036	-0.0036	18.94	0.0695	0.0736	0.0736	-0.0041	21.95

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00i44 (CH 2121)
 AZ = 269.95 DEGREES Z = 2 FT 4.65 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00144 (CH 2122)
 AZ = 269.95 DEGREES Z = 2 FT 4.65 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 145 CHANNELS 2124 2125 2126

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0010	44.25	9.89	0.0037	-0.0009	17.88
5.33	0.0004	-0.0006	-29.37	19.55	0.0053	-0.0011	6.35
12.31	0.0007	-0.0010	-25.34	29.57	0.0068	-0.0025	3.18
16.44	0.0009	-0.0005	-21.01	39.42	0.0084	-0.0043	4.23
20.51	0.0023	0.0007	26.52	49.16	0.0102	-0.0064	2.21
20.46	0.0025	0.0010	15.36	54.50	0.0114	-0.0076	2.22
20.47	0.0019	0.0005	18.73	59.57	0.0126	-0.0091	0.65
27.05	0.0013	0.0007	34.94	64.20	0.0136	-0.0117	-0.05
34.69	0.0004	-0.0008	-11.68	69.32	0.0149	-0.0144	-0.84
34.53	-0.0005	-0.0021	13.56	74.16	0.0159	-0.0173	-1.41
34.53	-0.0012	-0.0022	-7.11	80.16	0.0186	-0.0198	-1.47
39.70	-0.0002	-0.0017	-6.81	85.61	0.0207	-0.0231	-1.26
45.90	0.0012	-0.0001	-14.84	90.58	0.0224	-0.0260	-0.57
45.65	0.0021	0.0006	-33.57	95.69	0.0247	-0.0292	-0.07
45.62	0.0024	0.0005	-37.32	100.92	0.0264	-0.0316	-0.18
50.10	0.0029	0.0005	-33.37	103.25	0.0279	-0.0325	-0.19
53.47	0.0033	0.0007	-38.04	106.11	0.0289	-0.0338	-0.24
53.29	0.0035	0.0008	-40.61	108.31	0.0298	-0.0349	-0.20
53.21	0.0036	0.0009	-44.25	111.08	0.0311	-0.0368	-0.30
50.49	0.0035	0.0007	-43.02	113.24	0.0318	-0.0383	-0.32
46.14	0.0033	0.0010	-44.65	117.83	0.0335	-0.0402	0.54
46.13	0.0033	0.0011	44.06	120.92	0.0345	-0.0410	1.04
44.97	0.0022	0.0005	-29.54	123.28	0.0357	-0.0421	1.35
38.98	0.0022	0.0005	-37.11	122.97	0.0359	-0.0420	1.52
33.99	0.0018	0.0006	43.91	125.82	0.0368	-0.0427	1.75
33.96	0.0019	0.0003	-40.34	125.60	0.0368	-0.0423	2.04
26.83	0.0011	-0.0003	-39.73	127.84	0.0374	-0.0430	2.03
21.88	0.0011	-0.0008	-40.82	130.19	0.0379	-0.0431	2.18
21.90	0.0002	-0.0010	-37.09	132.53	0.0386	-0.0435	2.30
16.69	-0.0004	-0.0011	-33.38	135.33	0.0395	-0.0433	2.23
11.74	0.0005	-0.0009	36.69	134.42	0.0391	-0.0428	2.14
11.77	0.0017	0.0002	33.31	138.35	0.0396	-0.0423	2.25
5.05	0.0020	0.0002	26.73	140.16	0.0404	-0.0407	2.27
0.02	0.0021	-0.0004	31.55	142.63	0.0412	-0.0390	2.01
-0.04	0.0016	-0.0003	38.63	145.78	0.0424	-0.0381	1.88
-0.02	0.0015	-0.0002	38.90	142.52	0.0414	-0.0356	1.68
-0.02	0.0014	-0.0001	40.22	0.22	0.0161	0.0061	-35.38
0.02	0.0010	-0.0001	38.62				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00145 (CH 2124)

AZ = 269.95 DEGREES Z = 2 FT 5.25 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00145 (CH 2125)
 AZ = 269.95 DEGREES Z = 2 FT 5.25 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 146 CHANNELS 2127 2128 2129

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0004	19.60	9.89	-0.0001	-0.0006	-14.51
5.33	0.0014	-0.0012	0.01	19.55	-0.0001	-0.0036	4.33
12.31	0.0032	-0.0029	-1.58	29.57	-0.0001	-0.0065	-1.56
16.44	0.0042	-0.0043	-3.82	39.42	0.0003	-0.0073	-2.92
20.51	0.0052	-0.0051	-3.30	49.16	0.0006	-0.0072	-4.54
20.46	0.0052	-0.0053	-3.92	54.50	0.0007	-0.0073	-6.23
20.47	0.0052	-0.0051	-2.68	59.57	0.0004	-0.0075	-6.13
27.05	0.0039	-0.0070	-5.96	64.20	0.0003	-0.0069	-9.46
34.69	0.0064	-0.0092	-1.09	69.32	0.0003	-0.0066	-12.26
34.53	0.0065	-0.0093	-1.40	74.16	0.0001	-0.0064	-14.75
34.53	0.0064	-0.0090	0.23	80.16	0.0004	-0.0056	-22.39
39.70	0.0080	-0.0093	-0.65	85.61	0.0002	-0.0053	-23.83
45.90	0.0099	-0.0091	-5.09	90.58	0.0004	-0.0053	-25.11
45.65	0.0102	-0.0089	-3.98	95.69	-0.0001	-0.0052	-24.54
45.62	0.0101	-0.0088	-3.84	100.92	0.0004	-0.0053	-29.63
50.10	0.0111	-0.0094	-5.62	103.25	0.0004	-0.0052	-28.65
53.47	0.0119	-0.0100	-5.71	106.11	0.0001	-0.0052	-28.69
53.29	0.0119	-0.0101	-5.48	108.31	0.0000	-0.0050	-29.50
53.21	0.0118	-0.0099	-4.97	111.08	0.0000	-0.0049	-31.92
50.49	0.0110	-0.0092	-5.35	113.24	0.0001	-0.0050	-31.84
46.14	0.0097	-0.0080	-5.58	117.83	0.0001	-0.0049	-34.86
46.13	0.0095	-0.0080	-5.86	120.92	0.0000	-0.0048	-33.20
44.97	0.0085	-0.0086	-5.84	123.28	-0.0001	-0.0051	-35.29
38.98	0.0065	-0.0068	-7.69	122.97	-0.0002	-0.0052	-34.04
33.99	0.0053	-0.0054	-7.79	125.82	-0.0005	-0.0054	-33.47
33.96	0.0053	-0.0051	-7.33	125.60	-0.0001	-0.0061	-35.87
26.83	0.0055	-0.0034	-7.50	127.84	-0.0005	-0.0056	-33.81
21.88	0.0060	-0.0024	-8.30	130.19	-0.0008	-0.0057	-32.30
21.90	0.0060	-0.0024	-7.84	132.53	-0.0006	-0.0058	-30.48
16.69	0.0067	-0.0014	-6.95	135.33	-0.0009	-0.0058	-29.59
11.74	0.0076	0.0002	-7.89	134.42	-0.0007	-0.0055	-31.62
11.77	0.0079	0.0001	-8.27	138.35	-0.0005	-0.0052	-28.40
5.05	0.0097	0.0013	-14.69	140.16	-0.0004	-0.0050	-25.40
0.02	0.0075	0.0017	-24.47	142.63	0.0000	-0.0049	-22.02
-0.04	0.0070	0.0012	-22.13	145.78	0.0000	-0.0050	-18.22
-0.02	0.0071	0.0014	-22.39	142.52	0.0013	-0.0039	-20.84
-0.02	0.0071	0.0015	-23.05	0.22	0.0079	0.0005	10.34
0.02	0.0073	0.0013	-24.67				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00146 (CH 2127)
 AZ = 359.62 DEGREES Z = -0.0 FT 0.3 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00146 (CH 2128)

AZ = 359.62 DEGREES Z = -0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 147 CHANNELS 2140 2141 2142

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0001	-23.24	9.89	0.0030	0.0010	-5.87
5.33	0.0014	0.0001	-21.20	19.55	0.0070	0.0022	5.67
12.31	0.0034	0.0004	-17.45	29.57	0.0113	0.0031	13.44
16.44	0.0046	0.0005	-14.92	39.42	0.0135	0.0033	14.06
20.51	0.0066	0.0009	-16.44	49.16	0.0137	0.0035	12.57
20.46	0.0072	0.0011	-16.31	54.50	0.0143	0.0034	13.22
20.47	0.0074	0.0011	-14.49	59.57	0.0149	0.0034	12.58
27.05	0.0123	0.0025	-11.10	64.20	0.0146	0.0035	11.54
34.69	0.0113	0.0053	-2.76	69.32	0.0149	0.0036	9.42
34.53	0.0113	0.0048	3.59	74.16	0.0152	0.0036	8.45
34.53	0.0113	0.0049	3.07	80.16	0.0153	0.0038	4.40
39.70	0.0124	0.0043	2.75	85.61	0.0160	0.0037	3.57
45.90	0.0152	0.0051	-4.87	90.58	0.0167	0.0037	2.60
45.65	0.0149	0.0051	-1.43	95.69	0.0175	0.0037	0.64
45.62	0.0150	0.0053	-2.83	100.92	0.0185	0.0038	-2.16
50.10	0.0169	0.0053	-0.44	103.25	0.0187	0.0036	-2.17
53.47	0.0186	0.0057	-0.47	106.11	0.0188	0.0035	-2.88
53.29	0.0185	0.0059	-0.29	108.31	0.0190	0.0038	-4.09
53.21	0.0185	0.0061	-0.78	111.08	0.0191	0.0036	-3.94
50.49	0.0178	0.0059	-0.33	113.24	0.0195	0.0037	-4.87
46.14	0.0164	0.0054	0.73	117.83	0.0197	0.0038	-4.68
46.13	0.0164	0.0054	0.28	120.92	0.0201	0.0038	-4.49
44.97	0.0161	0.0046	-2.43	123.28	0.0205	0.0036	-4.08
38.98	0.0145	0.0041	-1.30	122.97	0.0204	0.0038	-3.95
33.99	0.0129	0.0035	-0.06	125.82	0.0209	0.0037	-4.07
33.96	0.0130	0.0034	0.33	125.60	0.0215	0.0037	-5.47
26.83	0.0092	0.0023	1.41	127.84	0.0211	0.0036	-5.37
21.88	0.0066	0.0014	0.84	130.19	0.0214	0.0034	-5.79
21.90	0.0065	0.0011	1.72	132.53	0.0217	0.0035	-6.78
16.69	0.0034	0.0000	7.20	135.33	0.0221	0.0034	-5.03
11.74	0.0002	-0.0007	-20.37	134.42	0.0224	0.0036	-5.59
11.77	-0.0001	-0.0007	-15.48	138.35	0.0230	0.0036	-4.60
5.05	-0.0005	-0.0057	21.16	140.16	0.0239	0.0036	-4.84
0.02	-0.0002	-0.0059	26.38	142.63	0.0243	0.0035	-4.94
-0.04	-0.0006	-0.0067	24.95	145.78	0.0251	0.0040	-5.41
-0.02	-0.0005	-0.0065	24.71	142.52	0.0207	0.0030	-2.49
-0.02	-0.0005	-0.0063	25.99	0.22	0.0029	-0.0010	15.80
0.02	-0.0008	-0.0061	27.04				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00147 (CH 2140)

AZ = 359.62 DEGREES Z = 0.0 FT 0.3 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00147 (CH 2141)
 AZ = 359.62 DEGREES Z = 0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 148 CHANNELS 2143 2144 2145

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0002	4.88	9.89	0.0030	0.0004	28.46
5.33	0.0006	-0.0002	-8.67	19.55	0.0050	0.0014	27.24
12.31	0.0010	-0.0004	-25.37	29.57	0.0075	0.0023	27.36
16.44	0.0017	-0.0003	-21.32	39.42	0.0101	0.0033	30.93
20.51	0.0010	-0.0002	-13.32	49.16	0.0138	0.0043	31.11
20.46	0.0009	-0.0002	-23.65	54.50	0.0161	0.0052	30.77
20.47	0.0006	-0.0005	-37.32	59.57	0.0179	0.0065	32.08
27.05	0.0004	0.0001	43.87	64.20	0.0200	0.0086	26.03
34.69	0.0009	-0.0015	-17.80	69.32	0.0248	0.0093	18.63
34.53	0.0006	-0.0024	-10.20	74.16	0.0279	0.0087	15.83
34.53	0.0003	-0.0025	-6.73	80.16	0.0307	0.0079	15.11
39.70	0.0004	-0.0024	-2.38	85.61	0.0326	0.0077	14.29
45.90	0.0006	-0.0024	10.23	90.58	0.0351	0.0072	14.31
45.65	0.0010	-0.0021	9.00	95.69	0.0373	0.0071	14.37
45.62	0.0012	-0.0019	1.84	100.92	0.0396	0.0066	13.87
50.10	0.0013	-0.0021	3.44	103.25	0.0400	0.0067	13.80
53.47	0.0016	-0.0026	9.04	106.11	0.0398	0.0067	13.44
53.29	0.0016	-0.0022	5.59	108.31	0.0406	0.0067	13.36
53.21	0.0016	-0.0022	4.25	111.08	0.0414	0.0066	12.75
50.49	0.0019	-0.0029	7.27	113.24	0.0423	0.0067	12.75
46.14	0.0021	-0.0033	4.54	117.83	0.0442	0.0067	12.32
46.13	0.0020	-0.0035	5.93	120.92	0.0457	0.0069	11.57
44.97	0.0020	-0.0053	7.54	123.28	0.0466	0.0074	10.45
38.98	0.0023	-0.0057	7.01	122.97	0.0468	0.0077	10.06
33.99	0.0022	-0.0061	8.22	125.82	0.0473	0.0082	9.06
33.96	0.0024	-0.0062	7.81	125.60	0.0472	0.0083	9.38
26.83	0.0021	-0.0065	7.18	127.84	0.0475	0.0084	8.63
21.88	0.0020	-0.0066	8.26	130.19	0.0481	0.0090	8.06
21.90	0.0018	-0.0064	8.70	132.53	0.0490	0.0096	7.90
16.69	0.0021	-0.0062	9.35	135.33	0.0495	0.0103	6.21
11.74	0.0020	-0.0062	16.16	134.42	0.0498	0.0104	5.91
11.77	0.0025	-0.0062	12.63	138.35	0.0510	0.0110	4.71
5.05	0.0027	-0.0064	12.13	140.16	0.0526	0.0112	4.38
0.02	0.0028	-0.0064	10.10	142.63	0.0550	0.0115	1.76
-0.04	0.0032	-0.0073	11.21	145.78	0.0582	0.0114	-0.20
-0.02	0.0030	-0.0070	11.61	142.52	0.0583	0.0112	-2.95
-0.02	0.0029	-0.0071	12.30	0.22	0.0299	0.0104	-20.04
0.02	0.0030	-0.0070	11.56				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00148 (CH 2143)

AZ = 359.48 DEGREES Z = 2 FT 4.7 IN.

Results of High Pressure Test (no SIT offset)
 Liner Rosette - Minimum Strain
 Rosette R00148 (CH 2144)

REINFORCED CONCRETE TEST DATA

ROSETTE 149 CHANNELS 2146 2147 2148

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0003	18.91	9.89	0.0019	-0.0024	-15.48
5.33	0.0000	-0.0002	37.77	19.55	0.0040	-0.0060	-14.66
12.31	0.0000	-0.0004	30.39	29.57	0.0065	-0.0105	-15.56
16.44	-0.0001	-0.0012	18.57	39.42	0.0094	-0.0148	-16.80
20.51	-0.0005	-0.0033	-26.65	49.16	0.0122	-0.0180	-17.77
20.46	-0.0006	-0.0036	-30.39	54.50	0.0137	-0.0192	-18.31
20.47	-0.0010	-0.0045	-33.49	59.57	0.0143	-0.0187	-17.79
27.05	-0.0008	-0.0052	-36.78	64.20	0.0158	-0.0191	-16.75
34.69	0.0007	-0.0074	-38.24	69.32	0.0186	-0.0200	-14.40
34.53	0.0004	-0.0067	-32.24	74.16	0.0195	-0.0228	-13.88
34.53	0.0005	-0.0072	-33.48	80.16	0.0198	-0.0267	-12.89
39.70	0.0009	-0.0061	-36.90	85.61	0.0205	-0.0309	-12.58
45.90	0.0010	-0.0054	-40.27	90.58	0.0218	-0.0340	-12.08
45.65	0.0017	-0.0044	-37.98	95.69	0.0227	-0.0376	-12.19
45.62	0.0016	-0.0044	-36.96	100.92	0.0237	-0.0413	-11.70
50.10	0.0013	-0.0050	-37.88	103.25	0.0245	-0.0427	-11.38
53.47	0.0007	-0.0048	-40.26	106.11	0.0250	-0.0448	-11.30
53.29	0.0008	-0.0050	-41.94	108.31	0.0255	-0.0463	-11.06
53.21	0.0007	-0.0051	-43.84	111.08	0.0263	-0.0481	-11.04
50.49	0.0006	-0.0055	-41.51	113.24	0.0267	-0.0498	-11.05
46.14	0.0005	-0.0059	-39.95	117.83	0.0274	-0.0526	-10.26
46.13	0.0004	-0.0056	-40.72	120.92	0.0283	-0.0549	-10.14
44.97	-0.0003	-0.0071	-44.35	123.28	0.0288	-0.0566	-9.90
38.98	-0.0005	-0.0067	-42.36	122.97	0.0288	-0.0561	-9.82
33.99	-0.0002	-0.0072	-41.60	125.82	0.0290	-0.0577	-9.61
33.96	-0.0003	-0.0068	-41.26	125.60	0.0287	-0.0570	-9.67
26.83	-0.0004	-0.0072	-38.60	127.84	0.0288	-0.0582	-9.54
21.88	-0.0005	-0.0070	-35.80	130.19	0.0285	-0.0595	-9.02
21.90	-0.0003	-0.0061	-25.19	132.53	0.0285	-0.0610	-8.44
16.69	-0.0009	-0.0053	-22.50	135.33	0.0280	-0.0627	-8.22
11.74	-0.0004	-0.0042	-27.93	134.42	0.0280	-0.0627	-8.28
11.77	0.0006	-0.0035	-28.95	138.35	0.0285	-0.0651	-7.59
5.05	0.0011	-0.0028	-26.54	140.16	0.0286	-0.0670	-7.23
0.02	0.0015	-0.0030	-30.70	142.63	0.0288	-0.0703	-6.02
-0.04	0.0002	-0.0050	42.00	145.78	0.0292	-0.0739	-5.00
-0.02	0.0007	-0.0046	39.72	142.52	0.0283	-0.0729	-3.88
-0.02	0.0008	-0.0051	39.28	0.22	0.0199	-0.0182	7.73
0.02	0.0003	-0.0048	39.41				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00149 (CH 2146)
 AZ = 359.48 DEGREES Z = 2 FT 5.25 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00149 (CH 2147)
 AZ = 359.48 DEGREES Z = 2 FT 5.25 IN.

ROSETTE 150 CHANNELS 2149 2160 2161

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure	Maximum	Minimum	Angle	Pressure	Maximum	Minimum	Angle
psig	%Strain	%Strain	Degrees	psig	%Strain	%Strain	Degrees
-0.05	0.0001	-0.0002	-11.90	9.89	0.0035	0.0016	-10.56
5.33	0.0007	-0.0008	-9.42	19.55	0.0063	0.0034	-7.06
12.31	0.0019	-0.0011	-12.69	29.57	0.0087	0.0055	0.40
16.44	0.0028	-0.0009	-14.83	39.42	0.0110	0.0072	4.71
20.51	0.0040	-0.0010	-17.14	49.16	0.0133	0.0092	11.92
20.46	0.0042	-0.0007	-18.84	54.50	0.0145	0.0101	15.53
20.47	0.0039	-0.0008	-18.63	59.57	0.0157	0.0110	14.51
27.05	0.0038	-0.0009	-20.14	64.20	0.0168	0.0115	15.32
34.69	0.0030	-0.0011	-24.47	69.32	0.0180	0.0122	16.52
34.53	0.0021	-0.0016	-23.78	74.16	0.0191	0.0132	18.84
34.53	0.0027	-0.0020	-25.74	80.16	0.0204	0.0127	16.98
39.70	0.0034	-0.0019	-26.69	85.61	0.0220	0.0136	14.98
45.90	0.0037	-0.0012	-21.35	90.58	0.0234	0.0139	16.69
45.65	0.0044	-0.0012	-22.74	95.69	0.0249	0.0146	14.92
45.62	0.0045	-0.0013	-24.52	100.92	0.0264	0.0152	15.55
50.10	0.0048	-0.0013	-21.34	103.25	0.0269	0.0155	14.35
53.47	0.0048	-0.0014	-19.40	106.11	0.0279	0.0157	14.63
53.29	0.0049	-0.0014	-18.35	108.31	0.0286	0.0161	15.00
53.21	0.0051	-0.0015	-19.00	111.08	0.0296	0.0162	14.53
50.49	0.0050	-0.0014	-20.01	113.24	0.0302	0.0164	14.66
46.14	0.0046	-0.0013	-19.48	117.83	0.0320	0.0172	13.88
46.13	0.0047	-0.0014	-20.42	120.92	0.0331	0.0173	13.93
44.97	0.0040	-0.0015	-19.20	123.28	0.0345	0.0184	14.85
38.98	0.0041	-0.0016	-23.55	122.97	0.0347	0.0188	13.93
33.99	0.0035	-0.0014	-23.69	125.82	0.0358	0.0189	14.79
33.96	0.0035	-0.0013	-25.53	125.60	0.0355	0.0187	14.83
26.83	0.0030	-0.0012	-26.39	127.84	0.0362	0.0191	14.32
21.88	0.0029	-0.0015	-29.95	130.19	0.0375	0.0192	13.85
21.90	0.0024	-0.0016	-23.68	132.53	0.0384	0.0197	13.36
16.69	0.0026	-0.0015	-25.71	135.33	0.0397	0.0195	12.92
11.74	0.0038	-0.0013	-31.19	134.42	0.0394	0.0194	13.35
11.77	0.0042	-0.0011	-31.92	138.35	0.0411	0.0201	10.76
5.05	0.0041	-0.0007	-32.61	140.16	0.0421	0.0197	9.51
0.02	0.0043	-0.0009	-34.64	142.63	0.0436	0.0195	10.06
-0.04	0.0039	-0.0010	-29.29	145.78	0.0459	0.0191	9.00
-0.02	0.0044	-0.0010	-30.29	142.52	0.0423	0.0171	9.89
-0.02	0.0047	-0.0011	-30.54	0.22	-0.0008	-0.0043	11.60
0.02	0.0046	-0.0012	-30.74				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00150 (CH 2149)
 X = -0.0 FT 1.7 IN. Y = 0.0 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00150 (CH 2160)

X = -0.0 FT 1.7 IN. Y = 0.0 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 151 CHANNELS 2162 2163 2164

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0003	42.67	9.89	0.0121	-0.0040	-11.00
5.33	0.0066	-0.0020	-6.15	19.55	0.0207	-0.0062	-6.50
12.31	0.0123	-0.0039	-5.35	29.57	0.0273	-0.0087	-5.80
16.44	0.0150	-0.0049	-4.49	39.42	0.0332	-0.0106	-5.27
20.51	0.0183	-0.0057	-3.33	49.16	0.0391	-0.0125	-5.04
20.46	0.0184	-0.0059	-4.92	54.50	0.0423	-0.0132	-4.97
20.47	0.0183	-0.0058	-4.74	59.57	0.0458	-0.0145	-4.29
27.05	0.0245	-0.0077	-5.30	64.20	0.0492	-0.0152	-4.08
34.69	0.0313	-0.0097	-4.55	69.32	0.0531	-0.0165	-3.74
34.53	0.0312	-0.0097	-5.17	74.16	0.0570	-0.0177	-3.65
34.53	0.0313	-0.0096	-5.20	80.16	0.0617	-0.0204	-2.19
39.70	0.0343	-0.0109	-4.76	85.61	0.0661	-0.0222	-1.87
45.90	0.0389	-0.0124	-4.17	90.58	0.0708	-0.0239	-1.50
45.65	0.0387	-0.0121	-3.97	95.69	0.0752	-0.0252	-1.10
45.62	0.0388	-0.0122	-4.00	100.92	0.0801	-0.0271	-0.82
50.10	0.0416	-0.0134	-3.73	103.25	0.0824	-0.0278	-0.45
53.47	0.0439	-0.0141	-3.73	106.11	0.0850	-0.0287	-0.13
53.29	0.0439	-0.0139	-3.68	108.31	0.0869	-0.0294	-0.08
53.21	0.0441	-0.0138	-3.68	111.08	0.0897	-0.0303	0.25
50.49	0.0435	-0.0141	-3.31	113.24	0.0913	-0.0307	0.46
46.14	0.0417	-0.0137	-3.22	117.83	0.0957	-0.0314	0.72
46.13	0.0415	-0.0138	-3.38	120.92	0.0994	-0.0319	0.81
44.97	0.0411	-0.0130	-3.11	123.28	0.1021	-0.0322	1.25
38.98	0.0370	-0.0123	-3.86	122.97	0.1024	-0.0317	1.48
33.99	0.0333	-0.0115	-3.83	125.82	0.1054	-0.0321	1.33
33.96	0.0333	-0.0114	-3.86	125.60	0.1057	-0.0316	1.29
26.83	0.0275	-0.0106	-1.92	127.84	0.1080	-0.0321	1.23
21.88	0.0223	-0.0084	-0.62	130.19	0.1107	-0.0317	1.39
21.90	0.0225	-0.0086	-0.97	132.53	0.1142	-0.0309	1.53
16.69	0.0176	-0.0054	-3.33	135.33	0.1190	-0.0301	1.18
11.74	0.0141	-0.0033	-5.11	134.42	0.1192	-0.0291	1.05
11.77	0.0141	-0.0036	-5.79	138.35	0.1262	-0.0289	0.92
5.05	0.0091	-0.0019	-8.78	140.16	0.1307	-0.0287	0.73
0.02	0.0022	0.0001	15.14	142.63	0.1357	-0.0279	0.30
-0.04	0.0023	-0.0004	21.96	145.78	0.1427	-0.0278	0.60
-0.02	0.0025	-0.0003	20.72	142.52	0.1430	-0.0276	0.76
-0.02	0.0025	-0.0002	18.16	0.22	0.0150	0.0018	10.60
0.02	0.0024	-0.0002	10.98				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00151 (CH 2162)

AZ = 270 DEGREES Z = -0.0 FT 0.3 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00151 (CH 2163)
 AZ = 270 DEGREES Z = -0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 152 CHANNELS 2165 2166 2167

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0004	-18.42	9.89	0.0022	-0.0013	-4.11
5.33	0.0009	-0.0004	-22.49	19.55	0.0025	-0.0028	-8.15
12.31	0.0015	-0.0010	-4.75	29.57	0.0029	-0.0054	-7.53
16.44	0.0019	-0.0014	-2.78	39.42	0.0037	-0.0082	-4.77
20.51	0.0024	-0.0021	-5.03	49.16	0.0039	-0.0104	-1.47
20.46	0.0025	-0.0023	-0.56	54.50	0.0038	-0.0113	-0.05
20.47	0.0026	-0.0022	-1.53	59.57	0.0027	-0.0124	2.25
27.05	0.0031	-0.0044	-7.24	64.20	0.0023	-0.0133	3.47
34.69	0.0033	-0.0073	-7.18	69.32	0.0008	-0.0142	4.92
34.53	0.0035	-0.0073	-7.85	74.16	-0.0012	-0.0150	7.36
34.53	0.0034	-0.0074	-6.42	80.16	-0.0049	-0.0159	7.32
39.70	0.0040	-0.0088	-4.44	85.61	-0.0089	-0.0162	13.30
45.90	0.0043	-0.0104	-2.13	90.58	-0.0136	-0.0170	28.11
45.65	0.0043	-0.0104	-3.70	95.69	-0.0156	-0.0206	-20.16
45.62	0.0041	-0.0104	-2.65	100.92	-0.0156	-0.0274	-8.13
50.10	0.0046	-0.0113	-0.81	103.25	-0.0153	-0.0299	-5.74
53.47	0.0043	-0.0119	0.41	106.11	-0.0153	-0.0335	-5.11
53.29	0.0038	-0.0118	0.41	108.31	-0.0151	-0.0361	-4.39
53.21	0.0036	-0.0116	0.26	111.08	-0.0148	-0.0401	-4.49
50.49	0.0031	-0.0111	2.09	113.24	-0.0149	-0.0430	-4.67
46.14	0.0028	-0.0100	1.46	117.83	-0.0140	-0.0501	-4.11
46.13	0.0027	-0.0101	1.43	120.92	-0.0136	-0.0550	-3.81
44.97	0.0029	-0.0094	0.17	123.28	-0.0127	-0.0590	-4.06
38.98	0.0029	-0.0081	-1.23	122.97	-0.0123	-0.0593	-4.00
33.99	0.0031	-0.0066	-5.12	125.82	-0.0113	-0.0645	-3.72
33.96	0.0030	-0.0064	-4.93	125.60	-0.0107	-0.0655	-3.60
26.83	0.0037	-0.0037	6.29	127.84	-0.0101	-0.0689	-3.21
21.88	0.0061	-0.0033	12.24	130.19	-0.0087	-0.0746	-3.00
21.90	0.0060	-0.0030	10.82	132.53	-0.0068	-0.0821	-2.96
16.69	0.0068	-0.0026	7.67	135.33	-0.0045	-0.0905	-3.04
11.74	0.0057	-0.0025	9.12	134.42	-0.0039	-0.0918	-3.24
11.77	0.0056	-0.0022	8.43	138.35	-0.0014	-0.1022	-2.88
5.05	0.0025	-0.0013	12.78	140.16	-0.0001	-0.1097	-2.70
0.02	0.0006	-0.0006	26.87	142.63	0.0022	-0.1183	-2.01
-0.04	0.0004	-0.0001	20.50	145.78	0.0039	-0.1286	-2.20
-0.02	0.0006	-0.0004	33.99	142.52	0.0067	-0.1349	-1.91
-0.02	0.0004	-0.0003	35.17	0.22	0.0273	-0.0755	0.63
0.02	0.0003	-0.0004	37.69				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00152 (CH 2165)
AZ = 270 DEGREES Z = 0.0 FT 0.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00152 (CH 2166)

AZ = 270 DEGREES Z = 0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 153 CHANNELS 2168 2169 2180

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0001	-4.92	9.89	0.0151	-0.0263	13.57
5.33	0.0034	-0.0167	20.02	19.55	0.0304	-0.0323	8.36
12.31	0.0048	-0.0303	15.22	29.57	0.0482	-0.0319	6.74
16.44	0.0060	0.0341	14.33	39.42	0.0644	-0.0310	5.65
20.51	0.0111	-0.0389	14.54	49.16	0.0783	-0.0295	5.30
20.46	0.0129	-0.0384	14.19	54.50	0.0869	-0.0287	4.79
20.47	0.0138	-0.0381	14.42	59.57	0.0967	-0.0283	3.98
27.05	0.0303	-0.0396	12.07	64.20	0.1095	-0.0282	3.08
34.69	0.0532	-0.0367	9.66	69.32	0.1228	-0.0286	2.69
34.53	0.0568	-0.0352	9.01	74.16	0.1365	-0.0292	2.24
34.53	0.0578	-0.0350	8.85	80.16	0.1496	-0.0307	1.21
39.70	0.0700	-0.0328	7.51	85.61	0.1623	-0.0310	0.56
45.90	0.0871	-0.0323	6.01	90.58	0.1734	-0.0323	0.22
45.65	0.0873	-0.0324	5.85	95.69	0.1837	-0.0333	-0.30
45.62	0.0874	-0.0326	5.90	100.92	0.1924	-0.0342	-0.66
50.10	0.0957	-0.0324	5.53	103.25	0.1961	-0.0350	-0.80
53.47	0.1047	-0.0325	4.99	106.11	0.1992	-0.0359	-0.86
53.29	0.1058	-0.0326	4.87	108.31	0.2020	-0.0360	-1.04
53.21	0.1060	-0.0328	4.92	111.08	0.2048	-0.0367	-0.99
50.49	0.1048	-0.0339	4.75	113.24	0.2070	-0.0372	-0.96
46.14	0.1009	-0.0356	4.74	117.83	0.2106	-0.0381	-0.87
46.13	0.1006	-0.0357	4.72	120.92	0.2126	-0.0385	-0.76
44.97	0.1008	-0.0345	4.68	123.28	0.2141	-0.0387	-0.67
38.98	0.0948	-0.0363	4.76	122.97	0.2138	-0.0389	-0.58
33.99	0.0880	-0.0372	4.80	125.82	0.2153	-0.0391	-0.50
33.96	0.0877	-0.0371	4.80	125.60	0.2147	-0.0391	-0.35
26.83	0.0766	-0.0384	5.20	127.84	0.2163	-0.0393	-0.24
21.88	0.0681	-0.0389	5.50	130.19	0.2174	-0.0400	0.06
21.90	0.0681	-0.0385	5.43	132.53	0.2190	-0.0406	0.40
16.69	0.0597	-0.0381	5.90	135.33	0.2232	-0.0424	0.65
11.74	0.0517	-0.0339	6.80	134.42	0.2233	-0.0436	0.71
11.77	0.0503	-0.0340	7.04	138.35	0.2310	-0.0501	0.99
5.05	0.0412	-0.0203	9.23	140.16	0.2375	-0.0550	1.53
0.02	0.0322	-0.0042	1.79	142.63	0.2477	-0.0643	2.21
-0.04	0.0302	-0.0042	1.91	145.78	0.2622	-0.0730	2.72
-0.02	0.0313	-0.0044	2.59	142.52	0.2505	-0.0798	2.61
-0.02	0.0302	-0.0043	2.15	0.22	0.0260	-0.0571	-9.53
0.02	0.0302	-0.0042	1.61				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00153 (CH 2168)
AZ = 181.99 DEGREES V = 17 FT 9 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00153 (CH 2169)
 AZ = 181.99 DEGREES V = 17 FT 9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 154 CHANNELS 2181 2182 2183

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0000	-44.71	9.89	0.0163	-0.0035	15.91
5.33	0.0003	-0.0015	-23.48	19.55	0.0306	-0.0060	-22.72
12.31	0.0006	-0.0021	-18.13	29.57	0.0438	-0.0076	-5.86
16.44	0.0010	-0.0023	-20.55	39.42	0.0574	-0.0087	-8.51
20.51	0.0012	-0.0019	-28.35	49.16	0.0701	-0.0093	-6.27
20.46	0.0016	-0.0014	-29.10	54.50	0.0774	-0.0097	-5.24
20.47	0.0019	-0.0019	-36.43	59.57	0.0839	-0.0114	-5.89
27.05	0.0026	-0.0011	33.15	64.20	0.0915	-0.0140	-6.20
34.69	0.0044	-0.0011	15.10	69.32	0.0979	-0.0168	-3.06
34.53	0.0055	-0.0009	19.56	74.16	0.1039	-0.0198	-2.69
34.53	0.0056	-0.0003	18.14	80.16	0.1105	-0.0233	-13.09
39.70	0.0060	-0.0008	13.90	85.61	0.1177	-0.0270	-14.52
45.90	0.0068	-0.0011	5.96	90.58	0.1253	-0.0302	-9.52
45.65	0.0072	-0.0009	-0.07	95.69	0.1338	-0.0336	-11.38
45.62	0.0072	-0.0010	-0.37	100.92	0.1419	-0.0368	-10.62
50.10	0.0073	-0.0014	-2.15	103.25	0.1459	-0.0383	-10.69
53.47	0.0074	-0.0016	-4.97	106.11	0.1502	-0.0397	-9.97
53.29	0.0077	-0.0015	-6.58	108.31	0.1535	-0.0410	-8.48
53.21	0.0077	-0.0016	-6.52	111.08	0.1580	-0.0425	-4.73
50.49	0.0073	-0.0014	-7.30	113.24	0.1618	-0.0438	-2.76
46.14	0.0064	-0.0012	-8.06	117.83	0.1686	-0.0464	-2.54
46.13	0.0063	-0.0014	-8.77	120.92	0.1730	-0.0478	-2.09
44.97	0.0057	-0.0018	-4.31	123.28	0.1767	-0.0488	-1.40
38.98	0.0044	-0.0018	0.91	122.97	0.1773	-0.0489	-1.81
33.99	0.0035	-0.0012	0.39	125.82	0.1803	-0.0498	-0.94
33.96	0.0033	-0.0016	8.93	125.60	0.1811	-0.0501	-0.12
26.83	0.0023	-0.0013	14.59	127.84	0.1837	-0.0507	0.35
21.88	0.0024	-0.0014	26.76	130.19	0.1879	-0.0514	0.47
21.90	0.0029	-0.0018	29.83	132.53	0.1926	-0.0522	1.24
16.69	0.0031	-0.0016	36.65	135.33	0.2007	-0.0535	1.19
11.74	0.0028	-0.0007	37.36	134.42	0.2019	-0.0536	1.56
11.77	0.0019	0.0001	34.53	138.35	0.2139	-0.0554	2.20
5.05	0.0022	0.0007	41.39	140.16	0.2277	-0.0573	2.33
0.02	0.0028	0.0010	32.84	142.63	0.2663	-0.0638	1.60
-0.04	0.0021	0.0007	-25.26	145.78	0.3266	-0.0747	1.80
-0.02	0.0016	0.0007	-3.10	142.52	0.3393	-0.0801	2.32
-0.02	0.0015	0.0004	16.80	0.22	0.1406	-0.0336	-6.38
0.02	0.0016	-0.0004	34.13				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00154 (CH 2181)
X = 0.0 FT 0.21 IN. Y = -0.0 FT 0.12 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00154 (CH 2182)

X = 0.0 FT 0.21 IN. Y = -0.0 FT 0.12 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 155 CHANNELS 345 346 347

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0013	-0.0001	-22.73	9.89	0.0061	0.0042	-42.09
5.33	0.0034	0.0016	18.73	19.55	0.0110	0.0098	-20.93
12.31	0.2259	-0.0315	-22.54	29.57	0.0168	0.0146	6.14
16.44	0.2282	-0.0295	-22.55	39.42	0.0230	0.0195	15.56
20.51	0.2298	-0.0269	-22.61	49.16	0.0293	0.0238	20.06
20.46	0.2310	-0.0268	-22.61	54.50	0.0323	0.0258	18.98
20.47	0.2308	-0.0268	-22.53	59.57	0.0352	0.0284	25.85
27.05	0.2366	-0.0226	-22.79	64.20	0.0380	0.0295	32.08
34.69	0.2441	-0.0173	-23.08	69.32	0.0412	0.0309	38.43
34.53	0.2443	-0.0169	-23.10	74.16	0.0430	0.0315	44.23
34.53	0.2432	-0.0173	-22.96	80.16	0.0454	0.0317	-41.64
39.70	0.2476	-0.0143	-23.21	85.61	0.0477	0.0322	-39.91
45.90	0.2520	-0.0107	-23.41	90.58	0.0513	0.0322	-37.96
45.65	0.2514	-0.0110	-23.42	95.69	0.0545	0.0320	-38.61
45.62	0.2522	-0.0103	-23.54	100.92	0.0578	0.0319	-39.26
50.10	0.2538	-0.0078	-23.54	103.25	0.0597	0.0317	-39.26
53.47	0.2578	-0.0069	-23.73	106.11	0.0598	0.0323	-40.32
53.29	0.2576	-0.0073	-23.63	108.31	0.0618	0.0318	-40.64
53.21	0.2573	-0.0072	-23.70	111.08	0.0641	0.0314	-40.46
50.49	0.2561	-0.0089	-23.63	113.24	0.0647	0.0319	-40.60
46.14	0.2549	-0.0106	-23.58	117.83	0.0664	0.0314	-42.04
46.13	0.2552	-0.0110	-23.44	120.92	0.0674	0.0317	-42.87
44.97	0.2559	-0.0125	-23.65	123.28	0.0701	0.0312	-43.35
38.98	0.2528	-0.0156	-23.44	122.97	0.0711	0.0311	-43.31
33.99	0.2502	-0.0182	-23.33	125.82	0.0710	0.0311	-44.47
33.96	0.2498	-0.0186	-23.28	125.60	0.0718	0.0305	-44.11
26.83	0.2450	-0.0215	-23.07	127.84	0.0732	0.0304	-44.91
21.88	0.2426	-0.0245	-23.06	130.19	0.0743	0.0299	44.14
21.90	0.2419	-0.0248	-22.97	132.53	0.0743	0.0301	43.23
16.69	0.2388	-0.0275	-22.88	135.33	0.0752	0.0298	42.14
11.74	0.2357	-0.0300	-22.88	134.42	0.0748	0.0299	41.73
11.77	0.2359	-0.0291	-22.80	138.35	0.0752	0.0306	40.66
5.05	0.2324	-0.0331	-22.69	140.16	0.0759	0.0310	39.80
0.02	0.2293	-0.0356	-22.88	142.63	0.0767	0.0319	39.08
-0.04	0.2310	-0.0358	-22.80	145.78	0.0786	0.0330	38.30
-0.02	0.2300	-0.0359	-22.92	142.52	0.0783	0.0310	38.96
-0.02	0.2305	-0.0359	-22.90	0.22	-0.0012	-0.0168	24.54
0.02	0.2292	-0.0361	-22.78				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00155 (CH 0345)
 X = 0.0 FT 0.38 IN. Y = 0.0 FT 6.67 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00155 (CH 0346)

X = 0.0 FT 0.38 IN. Y = 0.0 FT 6.67 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 156 CHANNELS 348 349 360

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0023	-0.0009	-6.46	9.89	0.0050	0.0010	20.87
5.33	0.0052	-0.0003	-43.04	19.55	0.0095	0.0006	20.43
12.31	0.0076	0.0022	42.97	29.57	0.0143	0.0010	19.79
16.44	0.0129	0.0030	-37.22	39.42	0.0192	0.0012	21.39
20.51	0.2099	-0.1882	-44.58	49.16	0.0246	0.0014	22.03
20.46	0.2096	-0.1820	-44.13	54.50	0.0272	0.0016	22.60
20.47	0.2105	-0.1537	-41.63	59.57	0.0297	0.0022	22.97
27.05	0.2150	-0.1484	-41.49	64.20	0.0301	0.0014	21.81
34.69	0.2196	-0.1427	-41.47	69.32	0.0332	0.0006	22.13
34.53	0.2299	-0.0736	-32.70	74.16	0.0340	-0.0001	22.06
34.53	0.2312	-0.0703	-32.13	80.16	0.0351	0.0010	22.69
39.70	0.2344	-0.0701	-32.42	85.61	0.0346	0.0015	21.04
45.90	0.2342	-0.0793	-34.47	90.58	0.0361	0.0009	21.90
45.65	0.2318	-0.0884	-35.87	95.69	0.0377	0.0002	22.52
45.62	0.2307	-0.0891	-35.86	100.92	0.0390	-0.0005	21.75
50.10	0.2327	-0.0889	-36.29	103.25	0.0391	-0.0010	21.63
53.47	0.2344	-0.0891	-36.52	106.11	0.0407	-0.0016	22.12
53.29	0.2346	-0.0899	-36.63	108.31	0.0412	-0.0018	21.94
53.21	0.2340	-0.0905	-36.67	111.08	0.0418	-0.0026	21.96
50.49	0.2333	-0.0917	-36.62	113.24	0.0433	-0.0030	22.27
46.14	0.2310	-0.0919	-36.36	117.83	0.0441	-0.0044	22.16
46.13	0.2307	-0.0927	-36.44	120.92	0.0466	-0.0059	22.08
44.97	0.1913	-0.0514	-33.13	123.28	0.0482	-0.0068	22.79
38.98	0.2004	-0.0565	-32.50	122.97	0.0480	-0.0066	22.70
33.99	0.2281	-0.0845	-34.46	125.82	0.0482	-0.0076	21.71
33.96	0.2291	-0.0831	-34.21	125.60	0.0489	-0.0083	22.31
26.83	0.2272	-0.0821	-33.44	127.84	0.0495	-0.0089	21.79
21.88	0.2271	-0.0770	-32.14	130.19	0.0509	-0.0101	22.50
21.90	0.2300	-0.0697	-30.90	132.53	0.0522	-0.0111	22.10
16.69	0.2279	-0.0692	-30.34	135.33	0.0529	-0.0117	22.24
11.74	0.2264	-0.0711	-30.39	134.42	0.0527	-0.0118	22.07
11.77	0.2206	-0.0863	-33.11	138.35	0.0556	-0.0145	22.27
5.05	0.2185	-0.0892	-33.28	140.16	0.0564	-0.0149	22.11
0.02	0.2159	-0.0900	-33.23	142.63	0.0578	-0.0152	22.30
-0.04	0.2176	-0.0928	-33.53	145.78	0.0594	-0.0153	22.16
-0.02	0.2173	-0.0906	-33.47	142.52	0.0587	-0.0170	22.13
-0.02	0.2174	-0.0916	-33.51	0.22	-0.0040	-0.0187	23.70
0.02	0.2190	-0.0848	-32.22				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00156 (CH 0348)

X = 0.0 FT 0.42 IN. Y = 0.0 FT 9.37 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00156 (CH 0349)
 X = 0.0 FT 0.42 IN. Y = 0.0 FT 9.37 IN.

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

THIS DOCUMENT FILMED

AT

24

REDUCTION

REINFORCED CONCRETE TEST DATA

ROSETTE 157 CHANNELS 361 362 363

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0016	-0.0048	-14.11	9.89	0.0046	-0.0016	-6.66
5.33	0.0009	-0.0085	-20.43	19.55	0.0093	-0.0032	-10.70
12.31	-0.0001	-0.0069	-31.90	29.57	0.0134	-0.0049	-7.66
16.44	0.4182	-0.0735	-22.45	39.42	0.0180	-0.0066	-7.99
20.51	0.4186	-0.0747	-22.35	49.16	0.0220	-0.0082	-7.72
20.46	0.4191	-0.0749	-22.35	54.50	0.0248	-0.0096	-8.59
20.47	0.4176	-0.0747	-22.33	59.57	0.0261	-0.0103	-6.52
27.05	0.4223	-0.0755	-22.25	64.20	0.0272	-0.0106	-6.78
34.69	0.4261	-0.0771	-21.99	69.32	0.0284	-0.0129	-5.26
34.53	0.4252	-0.0772	-22.07	74.16	0.0303	-0.0120	-7.11
34.53	0.4252	-0.0775	-22.09	80.16	0.0305	-0.0125	-6.20
39.70	0.4277	-0.0783	-22.02	85.61	0.0321	-0.0127	-7.00
45.90	0.4307	-0.0790	-21.79	90.58	0.0321	-0.0125	-5.13
45.65	0.4302	-0.0787	-21.72	95.69	0.0332	-0.0119	-4.85
45.62	0.4311	-0.0788	-21.81	100.92	0.0341	-0.0111	-4.60
50.10	0.4333	-0.0797	-21.70	103.25	0.0345	-0.0112	-4.59
53.47	0.4343	-0.0798	-21.65	106.11	0.0354	-0.0109	-4.60
53.29	0.4345	-0.0793	-21.62	108.31	0.0359	-0.0112	-4.15
53.21	0.4345	-0.0801	-21.61	111.08	0.0365	-0.0108	-3.86
50.49	0.4330	-0.0789	-21.63	113.24	0.0370	-0.0106	-3.73
46.14	0.4301	-0.0786	-21.72	117.83	0.0386	-0.0099	-3.06
46.13	0.4312	-0.0782	-21.76	120.92	0.0390	-0.0097	-2.60
44.97	0.4302	-0.0788	-21.77	123.28	0.0398	-0.0092	-1.95
38.98	0.4287	-0.0770	-21.96	122.97	0.0400	-0.0093	-2.31
33.99	0.4253	-0.0766	-22.02	125.82	0.0412	-0.0085	-2.35
33.96	0.4253	-0.0759	-21.96	125.60	0.0410	-0.0089	-1.42
26.83	0.4217	-0.0751	-22.11	127.84	0.0421	-0.0094	-1.27
21.88	0.4194	-0.0743	-22.17	130.19	0.0428	-0.0082	-0.80
21.90	0.4197	-0.0749	-22.25	132.53	0.0431	-0.0083	-0.58
16.69	0.4166	-0.0741	-22.35	135.33	0.0442	-0.0087	0.25
11.74	0.4155	-0.0730	-22.39	134.42	0.0439	-0.0090	0.94
11.77	0.4157	-0.0731	-22.39	138.35	0.0452	-0.0087	0.32
5.05	0.4141	-0.0715	-22.46	140.16	0.0464	-0.0091	1.00
0.02	0.4115	-0.0708	-22.50	142.63	0.0477	-0.0102	1.22
-0.04	0.4115	-0.0695	-22.54	145.78	0.0494	-0.0114	0.59
-0.02	0.4131	-0.0702	-22.49	142.52	0.0483	-0.0098	2.66
-0.02	0.4133	-0.0695	-22.55	0.22	0.0111	-0.0117	-27.84
0.02	0.4130	-0.0700	-22.57				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00157 (CH 0361)
AZ = 87.64 DEGREES Z = 0.0 FT 3.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00157 (CH 0362)
 AZ = 87.64 DEGREES Z = 0.0 FT 3.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 158 CHANNELS 364 365 366

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0009	22.52	9.89	0.0175	0.0004	21.08
5.33	0.0060	0.0018	-7.62	19.55	0.0354	-0.0012	22.06
12.31	0.0155	0.0031	-1.09	29.57	0.0535	-0.0022	22.21
16.44	0.0307	-0.0037	-29.87	39.42	0.0713	-0.0034	22.39
20.51	0.0346	0.0005	-23.25	49.16	0.0890	-0.0059	23.27
20.46	0.0346	0.0017	-23.11	54.50	0.0983	-0.0052	22.80
20.47	0.0349	0.0012	-22.55	59.57	0.1054	-0.0050	22.43
27.05	0.0425	0.0062	-11.51	64.20	0.1098	-0.0050	22.56
34.69	0.0539	0.0080	-2.13	69.32	0.1158	-0.0059	22.49
34.53	0.0543	0.0088	-2.02	74.16	0.1204	-0.0068	22.45
34.53	0.0554	0.0093	-2.27	80.16	0.1257	-0.0069	22.56
39.70	0.0629	0.0100	1.86	85.61	0.1313	-0.0087	22.60
45.90	0.0720	0.0097	6.11	90.58	0.1369	-0.0102	22.47
45.65	0.0722	0.0094	6.10	95.69	0.1437	-0.0129	22.50
45.62	0.0724	0.0099	5.84	100.92	0.1499	-0.0145	22.40
50.10	0.0787	0.0099	7.94	103.25	0.1532	-0.0158	22.52
53.47	0.0829	0.0104	8.88	106.11	0.1573	-0.0179	22.40
53.29	0.0844	0.0097	9.23	108.31	0.1598	-0.0181	22.42
53.21	0.0840	0.0096	8.31	111.08	0.1637	-0.0200	22.51
50.49	0.0793	0.0093	8.52	113.24	0.1566	-0.0208	22.39
46.14	0.0721	0.0084	6.33	117.83	0.1736	-0.0241	22.48
46.13	0.0725	0.0095	6.64	120.92	0.1780	-0.0263	22.48
44.97	0.0700	0.0086	5.92	123.28	0.1825	-0.0288	22.56
38.98	0.0600	0.0081	2.46	122.97	0.1826	-0.0291	22.51
33.99	0.0531	0.0072	-1.80	125.82	0.1873	-0.0318	22.52
33.96	0.0523	0.0074	-1.63	125.60	0.1871	-0.0318	22.46
26.83	0.0425	0.0051	-10.20	127.84	0.1908	-0.0326	22.48
21.88	0.0365	0.0023	-17.04	130.19	0.1946	-0.0340	22.40
21.90	0.0363	0.0031	-16.61	132.53	0.1990	-0.0364	22.54
16.69	0.0322	-0.0012	-24.87	135.33	0.2039	-0.0384	22.58
11.74	0.0300	-0.0066	-32.63	134.42	0.2037	-0.0391	22.66
11.77	0.0306	-0.0068	-33.25	138.35	0.2097	-0.0394	22.46
5.05	0.0273	-0.0149	-40.54	140.16	0.2130	-0.0408	22.58
0.02	0.0272	-0.0220	-44.57	142.63	0.2161	-0.0396	22.47
-0.04	0.0244	-0.0226	-44.23	145.78	0.2198	-0.0407	22.51
-0.02	0.0265	-0.0243	44.48	142.52	0.2159	-0.0417	22.64
-0.02	0.0252	-0.0225	-44.92	0.22	-0.0012	-0.0149	19.69
0.02	0.0260	-0.0236	-44.73				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00158 (CH 0364)

X = 0.0 FT 3.65 IN. Y = -0.0 FT 0.14 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00158 (CH 0365)

X = 0.0 FT 3.65 IN. Y = -0.0 FT 0.14 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 159 CHANNELS 367 368 369

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0016	-0.0024	-30.07	9.89	0.0096	0.0020	-21.50
5.33	0.0053	-0.0001	43.98	19.55	0.0151	0.0048	-22.13
12.31	0.0086	0.0014	38.71	29.57	0.0153	0.0086	-18.18
16.44	0.0111	0.0029	35.45	39.42	0.0201	0.0115	-20.23
20.51	0.0204	-0.0768	20.73	49.16	0.0214	0.0147	-17.45
20.46	0.0212	-0.0768	20.63	54.50	0.0223	0.0172	-13.91
20.47	0.0211	-0.0767	19.91	59.57	0.0232	0.0181	-24.73
27.05	0.0226	-0.0744	20.45	64.20	0.0238	0.0186	-20.46
34.69	0.0245	-0.0725	21.74	69.32	0.0256	0.0187	-25.64
34.53	0.0239	-0.0735	19.62	74.16	0.0256	0.0192	-17.35
34.53	0.0236	-0.0730	19.23	80.16	0.0220	0.0192	-10.68
39.70	0.0250	-0.0730	19.83	85.61	0.0219	0.0182	-19.04
45.90	0.0259	-0.0709	20.82	90.58	0.0204	0.0175	-20.06
45.65	0.0303	-0.0677	19.09	95.69	0.0189	0.0166	-14.79
45.62	0.0300	-0.0675	18.80	100.92	0.0164	0.0162	27.04
50.10	0.0311	-0.0660	19.00	103.25	0.0158	0.0153	43.20
53.47	0.0319	-0.0655	19.43	106.11	0.0152	0.0148	-16.05
53.29	0.0315	-0.0653	19.74	108.31	0.0146	0.0141	19.84
53.21	0.0314	-0.0660	20.09	111.08	0.0139	0.0126	-26.03
50.49	0.0318	-0.0669	19.56	113.24	0.0140	0.0108	-34.29
46.14	0.0298	-0.0671	19.25	117.83	0.0117	0.0092	-25.13
46.13	0.0296	-0.0674	19.12	120.92	0.0110	0.0077	-22.68
44.97	0.0445	0.0068	35.48	123.28	0.0102	0.0055	-30.70
38.98	0.0421	0.0040	38.41	122.97	0.0104	0.0050	-27.57
33.99	0.0263	-0.0725	16.00	125.82	0.0099	0.0045	-24.40
33.96	0.0263	-0.0723	15.51	125.60	0.0093	0.0050	-21.81
26.83	0.0248	-0.0745	14.58	127.84	0.0088	0.0035	-25.42
21.88	0.0242	-0.0758	13.63	130.19	0.0083	0.0034	-22.36
21.90	0.0251	-0.0770	13.40	132.53	0.0077	0.0027	-22.32
16.69	0.0248	-0.0775	12.59	135.33	0.0070	0.0023	-15.93
11.74	0.0237	-0.0784	12.45	134.42	0.0071	0.0029	-24.84
11.77	0.0260	-0.0775	12.18	138.35	0.0072	0.0022	-31.62
5.05	0.0246	-0.0791	11.78	140.16	0.0078	0.0017	-24.55
0.02	0.0243	-0.0797	11.56	142.63	0.0089	0.0023	-18.68
-0.04	0.0226	-0.0801	11.37	145.78	0.0095	0.0002	-23.25
-0.02	0.0242	-0.0810	11.59	142.52	0.0081	-0.0015	-25.44
-0.02	0.0236	-0.0815	11.17	0.22	-0.0099	-0.0208	-22.46
0.02	0.0246	-0.0819	10.19				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00159 (CH 0367)
X = 0.0 FT 3.7 IN. Y = 0.0 FT 6.72 IN.

LINER ROSETTE - MINIMUM STRAIN ROSETTE R00159 (CH 0368)

X = 0.0 FT 3.7 IN. Y = 0.0 FT 6.72 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 160 CHANNELS 380 381 382

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0012	0.0007	-33.27	9.89	0.0066	0.0022	22.75
5.33	0.0047	0.0029	2.40	19.55	0.0138	0.0034	21.13
12.31	0.0631	-0.0482	-44.61	29.57	0.0210	0.0053	22.87
16.44	0.0643	-0.0446	-44.94	39.42	0.0285	0.0069	22.05
20.51	0.0701	-0.0429	44.94	49.16	0.0363	0.0087	21.69
20.46	0.0688	-0.0416	-44.51	54.50	0.0406	0.0095	22.45
20.47	0.0704	-0.0412	-44.52	59.57	0.0422	0.0096	21.95
27.05	0.0744	-0.0374	44.90	64.20	0.0437	0.0091	22.04
34.69	0.0813	-0.0352	44.15	69.32	0.0450	0.0085	22.21
34.53	0.0814	-0.0308	44.67	74.16	0.0453	0.0066	22.10
34.53	0.0811	-0.0293	-44.97	80.16	0.0458	0.0073	21.88
39.70	0.0845	-0.0279	44.55	85.61	0.0470	0.0056	21.99
45.90	0.0891	-0.0255	44.76	90.58	0.0488	0.0032	22.33
45.65	0.0889	-0.0231	44.82	95.69	0.0499	0.0012	21.84
45.62	0.0895	-0.0235	44.64	100.92	0.0523	-0.0015	22.36
50.10	0.0925	-0.0231	44.75	103.25	0.0531	-0.0027	22.42
53.47	0.0935	-0.0221	44.23	106.11	0.0546	-0.0035	22.42
53.29	0.0943	-0.0219	44.02	108.31	0.0549	-0.0049	22.01
53.21	0.0946	-0.0227	44.17	111.08	0.0572	-0.0063	22.60
50.49	0.0928	-0.0229	44.47	113.24	0.0576	-0.0073	22.51
46.14	0.0877	-0.0227	44.79	117.83	0.0605	-0.0104	22.82
46.13	0.0892	-0.0231	44.97	120.92	0.0620	-0.0121	22.43
44.97	0.0871	-0.0142	-41.90	123.28	0.0641	-0.0143	22.54
38.98	0.0832	-0.0146	-41.07	122.97	0.0644	-0.0153	22.71
33.99	0.0800	-0.0159	-40.06	125.82	0.0662	-0.0170	22.57
33.96	0.0804	-0.0158	-39.87	125.60	0.0660	-0.0174	22.34
26.83	0.0767	-0.0177	-38.55	127.84	0.0671	-0.0182	22.47
21.88	0.0732	-0.0196	-38.04	130.19	0.0684	-0.0195	22.23
21.90	0.0722	-0.0192	-38.11	132.53	0.0697	-0.0209	22.20
16.69	0.0696	-0.0206	-37.38	135.33	0.0715	-0.0221	22.21
11.74	0.0668	-0.0230	-36.30	134.42	0.0715	-0.0230	22.30
11.77	0.0667	-0.0224	-36.10	138.35	0.0739	-0.0242	22.22
5.05	0.0640	-0.0243	-35.21	140.16	0.0744	-0.0225	21.96
0.02	0.0603	-0.0253	-34.89	142.63	0.0762	-0.0237	22.33
-0.04	0.0612	-0.0257	-34.38	145.78	0.0784	-0.0232	22.49
-0.02	0.0617	-0.0255	-34.03	142.52	0.0740	-0.0224	22.28
-0.02	0.0598	-0.0237	-33.98	0.22	-0.0086	-0.0209	19.61
0.02	0.0623	-0.0244	-33.42				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00160 (CH 0380)

X = 0.0 FT 9.19 IN. Y = 0.0 FT 0.88 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00160 (CH 0381)

X = 0.0 FT 9.19 IN. Y = 0.0 FT 0.88 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 161 CHANNELS 383 384 385

STRUCTURAL INTEGRITY TEST					HIGH PRESSURE TEST				
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees		
-0.05	0.0014	-0.0053	24.42	9.89	0.0001	-0.0017	-32.45		
5.33	-0.0001	-0.0015	-40.92	19.55	-0.0010	-0.0022	-37.07		
12.31	0.1036	-0.6160	22.48	29.57	-0.0012	-0.0049	-34.34		
16.44	0.1009	-0.6180	22.19	39.42	-0.0028	-0.0056	-33.06		
20.51	0.0974	-0.6204	21.83	49.16	-0.0034	-0.0065	-31.73		
20.46	0.0937	-0.6242	21.39	54.50	0.0002	-0.0062	-19.65		
20.47	0.0777	-0.6425	19.40	59.57	-0.0019	-0.0062	-13.84		
27.05	0.0694	-0.6546	18.45	64.20	-0.0029	-0.0155	-27.91		
34.69	0.0688	-0.6546	18.54	69.32	-0.0026	-0.0218	-24.73		
34.53	0.0522	-0.6819	16.12	74.16	0.0037	-0.0536	-23.60		
34.53	0.0600	-0.6690	17.23	80.16	0.0018	-0.0494	-22.80		
39.70	0.0676	-0.6572	18.33	85.61	0.0012	-0.0510	-23.02		
45.90	0.0859	-0.6334	20.91	90.58	0.0014	-0.0514	-22.75		
45.65	0.0995	-0.6185	22.66	95.69	0.0016	-0.0540	-22.84		
45.62	0.0833	-0.6347	20.66	100.92	0.0038	-0.0604	-23.33		
50.10	0.0834	-0.6346	20.82	103.25	0.0031	-0.0635	-23.05		
53.47	0.0839	-0.6341	20.93	106.11	0.0031	-0.0664	-22.84		
53.29	0.0826	-0.6369	20.73	108.31	0.0032	-0.0677	-22.81		
53.21	0.0808	-0.6380	20.45	111.08	0.0041	-0.0694	-23.12		
50.49	0.0816	-0.6363	20.62	113.24	0.0035	-0.0703	-22.61		
46.14	0.0824	-0.6368	20.59	117.83	0.0024	-0.0724	-22.73		
46.13	0.0825	-0.6356	20.56	120.92	0.0032	-0.0741	-22.93		
44.97	0.0824	-0.6372	20.52	123.28	0.0024	-0.0741	-23.03		
38.98	0.0822	-0.6366	20.39	122.97	0.0019	-0.0730	-22.91		
33.99	0.0822	-0.6380	20.24	125.82	0.0015	-0.0731	-22.91		
33.96	0.0757	-0.6466	19.50	125.60	0.0012	-0.0701	-23.31		
26.83	0.0695	-0.6534	18.57	127.84	0.0001	-0.0694	-22.82		
21.88	0.0623	-0.6656	17.42	130.19	0.0008	-0.0736	-22.88		
21.90	0.0541	-0.6791	16.19	132.53	0.0012	-0.0786	-22.79		
16.69	0.0528	-0.6824	15.90	135.33	0.0016	-0.0773	-23.31		
11.74	0.0557	-0.6775	16.38	134.42	-0.0016	-0.0658	-22.80		
11.77	0.0722	-0.6514	18.80	138.35	0.0160	-0.1620	-22.77		
5.05	0.0782	-0.6436	19.43	140.16	0.0193	-0.1785	-22.67		
0.02	0.0809	-0.6402	19.77	142.63	0.0268	-0.2159	-22.67		
-0.04	0.0857	-0.6337	20.37	145.78	0.0214	-0.1929	-22.69		
-0.02	0.0867	-0.6325	20.56	142.52	0.0202	-0.1787	-22.78		
-0.02	0.0862	-0.6332	20.27	0.22	0.0351	-0.1935	-22.75		
0.02	0.0853	-0.6351	20.19						

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00161 (CH 0383)
 AZ = 357.32 DEGREES Z = 0.0 FT 3.3 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00161 (CH 0384)

AZ = 357.32 DEGREES Z = 0.0 FT 3.3 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE RC0094 (CH 1708)
 AZ = 263.67 DEGREES R = 11 FT 0.0 IN. V = 13 FT 1.6 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 95 CHANNELS 1720 1721 1722

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	-0.0002	42.90	9.89	0.0127	0.0031	2.49
5.33	0.0053	0.0028	-33.92	19.55	0.0264	0.0011	3.25
12.31	0.0119	0.0066	-35.73	29.57	0.0416	-0.0037	3.91
16.44	0.0160	0.0090	-34.28	39.42	0.0570	-0.0091	4.27
20.51	0.0240	0.0034	-22.48	49.16	0.0720	-0.0144	4.31
20.46	0.0253	-0.0006	-18.54	54.50	0.0826	-0.0182	4.46
20.47	0.0257	-0.0014	-18.13	59.57	0.0961	-0.0244	1.70
27.05	0.0395	-0.0076	-6.01	64.20	0.1074	-0.0337	-2.93
34.69	0.0534	-0.0148	-3.36	69.32	0.1261	-0.0465	-5.96
34.53	0.0544	-0.0158	-3.03	74.16	0.1488	-0.0566	-5.96
34.53	0.0546	-0.0161	-2.93	80.16	0.1744	-0.0654	-5.18
39.70	0.0623	-0.0189	-1.83	85.61	0.1894	-0.0683	-4.87
45.90	0.0750	-0.0243	0.08	90.58	0.2006	-0.0693	-4.64
45.65	0.0772	-0.0251	0.88	95.69	0.2137	-0.0704	-4.33
45.62	0.0775	-0.0252	0.97	100.92	0.2261	-0.0703	-3.96
50.10	0.0866	-0.0279	2.09	103.25	0.2311	-0.0702	-3.84
53.47	0.0971	-0.0314	3.11	106.11	0.2373	-0.0701	-3.68
53.29	0.0996	-0.0322	3.54	108.31	0.2423	-0.0700	-3.58
53.21	0.1005	-0.0323	3.73	111.08	0.2491	-0.0700	-3.50
50.49	0.0989	-0.0323	4.00	113.24	0.2538	-0.0700	-3.52
46.14	0.0944	-0.0313	4.32	117.83	0.2650	-0.0709	-3.72
46.13	0.0941	-0.0309	4.42	120.92	0.2720	-0.0716	-3.86
44.97	0.0943	-0.0302	4.71	123.28	0.2776	-0.0722	-3.98
38.98	0.0875	-0.0290	5.17	122.97	0.2784	-0.0725	-4.00
33.99	0.0811	-0.0269	5.77	125.82	0.2858	-0.0734	-4.08
33.96	0.0805	-0.0266	5.78	125.60	0.2874	-0.0738	-4.06
26.83	0.0709	-0.0234	7.00	127.84	0.2926	-0.0744	-4.09
21.88	0.0637	-0.0216	7.79	130.19	0.3011	-0.0761	-4.15
21.90	0.0628	-0.0212	7.66	132.53	0.3112	-0.0789	-4.40
16.69	0.0556	-0.0201	8.78	135.33	0.3252	-0.0829	-4.61
11.74	0.0485	-0.0195	9.96	134.42	0.3272	-0.0844	-4.68
11.77	0.0482	-0.0191	9.99	138.35	0.3443	-0.0883	-4.71
5.05	0.0393	-0.0199	11.70	140.16	0.3577	-0.0919	-4.67
0.02	0.0326	-0.0212	12.70	142.63	0.3749	-0.0956	-4.49
-0.04	0.0302	-0.0182	12.00	145.78	0.3948	-0.0990	-4.24
-0.02	0.0303	-0.0177	12.04	142.52	0.3930	-0.1004	-4.08
-0.02	0.0298	-0.0177	12.01	0.22	0.2068	-0.1267	-7.22
0.02	0.0287	-0.0177	12.09				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00095 (CH 1720)

AZ = 269.72 DEGREES R = 11 FT 0.0 IN. V = 11 FT 10.8 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00095 (CH 1721)

AZ = 269.72 DEGREES R = 11 FT 0.0 IN. V = 11 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 96 CHANNELS 1723 1724 1725

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	-28.34	9.89	0.0098	0.0016	32.34
5.33	0.0016	-0.0001	19.51	19.55	0.0220	0.0071	30.33
12.31	0.0071	0.0016	17.98	29.57	0.0351	0.0122	27.94
16.44	0.0105	0.0029	17.74	39.42	0.0483	0.0169	25.77
20.51	0.0167	0.0043	18.54	49.16	0.0603	0.0219	24.14
20.46	0.0176	0.0046	18.49	54.50	0.0670	0.0248	23.94
20.47	0.0179	0.0048	18.40	59.57	0.0764	0.0277	27.03
27.05	0.0294	0.0067	18.09	64.20	0.0910	0.0289	30.97
34.69	0.0444	0.0087	17.11	69.32	0.1139	0.0204	33.19
34.53	0.0453	0.0087	17.15	74.16	0.1380	0.0092	33.81
34.53	0.0455	0.0084	17.23	80.16	0.1624	0.0071	30.28
39.70	0.0539	0.0087	18.36	85.61	0.1792	0.0154	25.28
45.90	0.0662	0.0091	20.44	90.58	0.1954	0.0228	20.26
45.65	0.0675	0.0089	20.64	95.69	0.2077	0.0260	16.93
45.62	0.0678	0.0087	20.77	100.92	0.2161	0.0259	15.33
50.10	0.0743	0.0108	21.91	103.25	0.2200	0.0252	14.89
53.47	0.0804	0.0130	23.33	106.11	0.2238	0.0246	14.48
53.29	0.0813	0.0130	23.70	108.31	0.2263	0.0240	14.29
53.21	0.0816	0.0129	23.80	111.08	0.2300	0.0226	13.95
50.49	0.0802	0.0121	23.80	113.24	0.2328	0.0214	13.74
46.14	0.0769	0.0100	23.89	117.83	0.2375	0.0185	13.39
46.13	0.0766	0.0099	23.98	120.92	0.2420	0.0158	13.24
44.97	0.0759	0.0103	24.13	123.28	0.2465	0.0128	13.15
38.98	0.0708	0.0073	24.22	122.97	0.2472	0.0119	13.12
33.99	0.0655	0.0048	24.60	125.82	0.2527	0.0087	13.16
33.96	0.0652	0.0049	24.53	125.60	0.2553	0.0073	13.06
26.83	0.0555	0.0019	25.20	127.84	0.2600	0.0059	13.00
21.88	0.0473	0.0006	25.30	130.19	0.2689	0.0020	12.89
21.90	0.0467	0.0006	25.26	132.53	0.2765	-0.0022	13.03
16.69	0.0379	-0.0011	25.38	135.33	0.2900	-0.0084	13.02
11.74	0.0296	-0.0035	25.53	134.42	0.2940	-0.0115	13.05
11.77	0.0291	-0.0039	25.49	138.35	0.3108	-0.0170	12.72
5.05	0.0195	-0.0081	25.02	140.16	0.3257	-0.0223	12.39
0.02	0.0151	-0.0090	23.14	142.63	0.3448	-0.0298	12.10
-0.04	0.0136	-0.0089	24.63	145.78	0.3643	-0.0353	11.75
-0.02	0.0139	-0.0085	25.03	142.52	0.3652	-0.0420	11.57
-0.02	0.0140	-0.0086	24.10	0.22	0.1948	-0.0656	7.66
0.02	0.0136	-0.0087	24.65				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00096 (CH 1723)

AZ = 269.73 DEGREES R = 11 FT 0.0 IN. V = 14 FT 3.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00096 (CH 1724)

AZ = 269.73 DEGREES R = 11 FT 0.0 IN. V = 14 FT 3.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 97 CHANNELS 1726 1727 1728

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	30.55	9.89	0.0096	0.0048	11.27
5.33	0.0026	0.0017	-24.78	19.55	0.0195	0.0112	7.60
12.31	0.0063	0.0035	-16.67	29.57	0.0301	0.0182	3.72
16.44	0.0091	0.0046	-12.60	39.42	0.0406	0.0252	0.87
20.51	0.0147	0.0066	-13.32	49.16	0.0507	0.0323	-2.18
20.46	0.0158	0.0071	-14.26	54.50	0.0570	0.0368	-3.60
20.47	0.0163	0.0073	-14.80	59.57	0.0633	0.0402	-6.06
27.05	0.0261	0.0122	-17.61	64.20	0.0702	0.0433	-11.90
34.69	0.0396	0.0221	-26.01	69.32	0.0778	0.0499	-14.76
34.53	0.0407	0.0234	-26.07	74.16	0.0856	0.0574	-16.83
34.53	0.0410	0.0237	-25.76	80.16	0.0966	0.0655	-21.63
39.70	0.0486	0.0286	-22.40	85.61	0.1071	0.0731	-25.30
45.90	0.0593	0.0328	-24.83	90.58	0.1163	0.0798	-28.31
45.65	0.0602	0.0326	-25.74	95.69	0.1251	0.0851	-32.02
45.62	0.0603	0.0325	-25.90	100.92	0.1336	0.0886	-34.45
50.10	0.0663	0.0343	-25.37	103.25	0.1369	0.0904	-34.68
53.47	0.0720	0.0359	-25.12	106.11	0.1404	0.0924	-35.16
53.29	0.0728	0.0356	-25.42	108.31	0.1426	0.0941	-35.75
53.21	0.0729	0.0356	-25.51	111.08	0.1459	0.0956	-35.59
50.49	0.0711	0.0346	-25.94	113.24	0.1487	0.0975	-34.57
46.14	0.0672	0.0322	-26.75	117.83	0.1523	0.1026	-32.14
46.13	0.0670	0.0322	-26.68	120.92	0.1546	0.1053	-31.68
44.97	0.0669	0.0326	-26.24	123.28	0.1563	0.1081	-31.31
38.98	0.0615	0.0287	-27.87	122.97	0.1559	0.1083	-31.21
33.99	0.0563	0.0254	-29.29	125.82	0.1567	0.1113	-30.18
33.96	0.0561	0.0252	-29.46	125.60	0.1568	0.1122	-29.46
26.83	0.0487	0.0203	-31.67	127.84	0.1590	0.1153	-27.76
21.88	0.0435	0.0162	-33.48	130.19	0.1616	0.1178	-25.45
21.90	0.0430	0.0163	-33.48	132.53	0.1623	0.1200	-24.94
16.69	0.0379	0.0123	-35.93	135.33	0.1637	0.1220	-26.17
11.74	0.0332	0.0079	-38.49	134.42	0.1632	0.1210	-26.84
11.77	0.0329	0.0073	-38.37	138.35	0.1665	0.1218	-28.68
5.05	0.0270	0.0016	-42.30	140.16	0.1670	0.1228	-30.03
0.02	0.0243	-0.0029	-44.86	142.63	0.1697	0.1253	-33.33
-0.04	0.0222	-0.0035	-43.42	145.78	0.1775	0.1307	-37.18
-0.02	0.0232	-0.0036	-43.00	142.52	0.1737	0.1255	-41.79
-0.02	0.0231	-0.0035	-43.36	0.22	0.0318	0.0046	-34.94
0.02	0.0228	-0.0039	-43.53				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00097 (CH 1726)

AZ = 269.73 DEGREES V = 14 FT 8.3 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00097 (CH 1727)

AZ = 269.73 DEGREES V = 14 FT 8.3 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 98 CHANNELS 1729 1740 1741

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0000	-0.0006	-2.30	9.89	0.0117	0.0051	11.12
5.33	0.0026	0.0014	-18.15	19.55	0.0256	0.0107	4.83
12.31	0.0063	0.0058	41.41	29.57	0.0397	0.0167	3.08
16.44	0.0101	0.0090	34.12	39.42	0.0533	0.0226	2.62
20.51	0.0204	0.0010	-2.50	49.16	0.0668	0.0285	1.81
20.46	0.0218	0.0009	-1.61	54.50	0.0751	0.0317	1.55
20.47	0.0230	0.0009	-2.57	59.57	0.0844	0.0344	1.51
27.05	0.0364	0.0034	-0.12	64.20	0.0951	0.0364	1.40
34.69	0.0531	0.0086	0.24	69.32	0.1073	0.0385	1.75
34.53	0.0525	0.0087	1.15	74.16	0.1195	0.0403	2.55
34.53	0.0526	0.0087	1.17	80.16	0.1396	0.0418	1.19
39.70	0.0609	0.0119	1.13	85.61	0.1574	0.0445	1.38
45.90	0.0737	0.0145	-0.10	90.58	0.1786	0.0475	1.30
45.65	0.0752	0.0141	-0.42	95.69	0.2111	0.0504	0.94
45.62	0.0757	0.0141	-0.71	100.92	0.2600	0.0541	0.42
50.10	0.0831	0.0170	-0.68	103.25	0.2839	0.0564	0.05
53.47	0.0902	0.0193	-0.75	106.11	0.3151	0.0590	-0.20
53.29	0.0907	0.0193	-0.60	108.31	0.3428	0.0613	-0.38
53.21	0.0909	0.0193	-0.60	111.08	0.3904	0.0641	-0.66
50.46	0.0891	0.0178	-0.82	113.24	0.4316	0.0664	-0.93
46.14	0.0837	0.0151	-0.59	117.83	0.5492	0.0711	-1.36
46.13	0.0833	0.0150	-0.51	120.92	0.6576	0.0737	-1.93
44.97	0.0850	0.0181	-0.92	123.28	0.7703	0.0767	-2.21
38.98	0.0777	0.0137	-0.67	122.97	0.7953	0.0779	-2.15
33.99	0.0707	0.0104	-0.57	125.82	0.9299	0.0809	-1.75
33.96	0.0703	0.0102	-0.53	125.60	0.9509	0.0820	-1.53
26.83	0.0603	0.0059	-0.20	127.84	1.0058	0.0828	-1.13
21.88	0.0522	0.0028	0.64	130.19	1.0755	0.0813	-0.90
21.90	0.0519	0.0027	0.73	132.53	1.1563	0.0788	-0.92
16.69	0.0444	-0.0004	1.10	135.33	1.2863	0.0770	-1.07
11.74	0.0371	-0.0035	1.77	134.42	1.3021	0.0766	-1.06
11.77	0.0362	-0.0041	2.08	138.35	1.5879	0.0738	-0.74
5.05	0.0274	-0.0079	2.43	140.16	1.7853	0.0726	-0.34
0.02	0.0208	-0.0102	1.95	142.63	2.0770	0.0690	-0.10
-0.04	0.0214	-0.0080	0.37	145.78	2.3567	0.0663	-0.23
-0.02	0.0216	-0.0069	1.43	142.52	2.4117	0.0626	-0.28
-0.02	0.0209	-0.0084	0.95	0.22	2.1350	-0.0107	-0.33
0.02	0.0198	-0.0099	1.14				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00098 (CH 1729)

AZ = 314.88 DEGREES V = 13 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00098 (CH 1740)

AZ = 314.88 DEGREES V = 13 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 99 CHANNELS 1742 1743 1744

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0003	44.99	9.89	0.0096	0.0046	6.24
5.33	0.0023	0.0004	-1.71	19.55	0.0198	0.0096	5.50
12.31	0.0055	0.0011	-1.19	29.57	0.0303	0.0145	5.75
16.44	0.0082	0.0019	-3.26	39.42	0.0400	0.0190	6.18
20.51	0.0126	0.0030	-1.67	49.16	0.0494	0.0235	6.32
20.46	0.0139	0.0036	-0.47	54.50	0.0547	0.0263	6.28
20.47	0.0145	0.0037	0.57	59.57	0.0602	0.0298	5.37
27.05	0.0280	0.0076	13.79	64.20	0.0665	0.0342	2.94
34.69	0.0404	0.0171	14.30	69.32	0.0781	0.0388	-3.43
34.53	0.0410	0.0182	13.82	74.16	0.0911	0.0418	-8.88
34.53	0.0410	0.0183	13.56	80.16	0.0986	0.0432	-10.56
39.70	0.0469	0.0220	11.81	85.61	0.1101	0.0441	-12.32
45.90	0.0558	0.0291	10.68	90.58	0.1221	0.0453	-12.76
45.65	0.0560	0.0298	10.65	95.69	0.1343	0.0462	-12.92
45.62	0.0560	0.0299	10.51	100.92	0.1479	0.0474	-12.79
50.10	0.0609	0.0331	10.47	103.25	0.1539	0.0480	-12.43
53.47	0.0652	0.0369	10.33	106.11	0.1587	0.0491	-11.82
53.29	0.0656	0.0377	10.46	108.31	0.1639	0.0497	-11.73
53.21	0.0656	0.0379	11.00	111.08	0.1696	0.0508	-11.23
50.49	0.0639	0.0376	10.96	113.24	0.1747	0.0516	-10.77
46.14	0.0605	0.0364	11.38	117.83	0.1811	0.0536	-9.27
46.13	0.0604	0.0361	11.52	120.92	0.1844	0.0547	-8.50
44.97	0.0614	0.0376	13.90	123.28	0.1860	0.0560	-6.74
38.98	0.0564	0.0357	14.54	122.97	0.1864	0.0556	-6.63
33.99	0.0519	0.0339	15.14	125.82	0.1882	0.0572	-4.96
33.96	0.0517	0.0339	14.88	125.60	0.1894	0.0572	-4.89
26.83	0.0447	0.0310	16.71	127.84	0.1917	0.0587	-3.83
21.88	0.0399	0.0287	19.03	130.19	0.1941	0.0599	-2.87
21.90	0.0395	0.0285	19.10	132.53	0.1958	0.0609	-3.00
16.69	0.0346	0.0263	21.01	135.33	0.1962	0.0614	-4.36
11.74	0.0295	0.0237	27.01	134.42	0.1958	0.0600	-5.03
11.77	0.0289	0.0233	26.24	138.35	0.2014	0.0599	-5.95
5.05	0.0230	0.0196	43.54	140.16	0.2127	0.0578	-6.59
0.02	0.0193	0.0157	-24.97	142.63	0.2528	0.0552	-7.36
-0.04	0.0186	0.0146	-28.56	145.78	0.3313	0.0553	-6.47
-0.02	0.0194	0.0150	-31.31	142.52	0.3507	0.0515	-7.49
-0.02	0.0192	0.0152	-30.86	0.22	0.1893	-0.0306	-7.51
0.02	0.0188	0.0153	-30.58				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00099 (CH 1742)
 AZ = 0.0 DEGREES V = 20 FT 9.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00099 (CH 1743)

AZ = 0.0 DEGREES V = 20 FT 9.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 100 CHANNELS 1745 1746 1747

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	15.71	9.89	0.0265	-0.0032	-37.41
5.33	0.0112	-0.0046	-35.13	19.55	0.0355	-0.0019	-44.71
12.31	0.0185	-0.0107	-42.11	29.57	0.0429	0.0060	44.60
16.44	0.0229	-0.0119	-44.39	39.42	0.0503	0.0153	-43.28
20.51	0.0287	-0.0143	43.14	49.16	0.0567	0.0242	-40.41
20.46	0.0295	-0.0142	42.75	54.50	0.0608	0.0286	-38.91
20.47	0.0297	-0.0140	42.64	59.57	0.0650	0.0340	-36.48
27.05	0.0399	-0.0161	41.21	64.20	0.0691	0.0389	-34.82
34.69	0.0517	-0.0145	40.38	69.32	0.0731	0.0450	-33.29
34.53	0.0524	-0.0143	40.02	74.16	0.0765	0.0513	-32.87
34.53	0.0527	-0.0142	40.08	80.16	0.0796	0.0567	-33.11
39.70	0.0571	-0.0103	39.64	85.61	0.0837	0.0629	-33.67
45.90	0.0634	-0.0038	38.66	90.58	0.0878	0.0686	-32.59
45.65	0.0636	-0.0035	38.48	95.69	0.0926	0.0750	-30.56
45.62	0.0637	-0.0037	38.48	100.92	0.0987	0.0825	-23.49
50.10	0.0671	0.0011	38.27	103.25	0.1021	0.0858	-18.52
53.47	0.0708	0.0051	38.09	106.11	0.1072	0.0886	-10.49
53.29	0.0711	0.0054	37.95	108.31	0.1120	0.0913	-4.47
53.21	0.0712	0.0054	37.92	111.08	0.1210	0.0941	3.95
50.49	0.0701	0.0035	37.80	113.24	0.1295	0.0958	8.73
46.14	0.0677	-0.0001	37.49	117.83	0.1559	0.0972	14.76
46.13	0.0675	-0.0002	37.48	120.92	0.1794	0.0975	15.54
44.97	0.0686	0.0012	37.67	123.28	0.2020	0.0983	15.41
38.98	0.0648	-0.0044	37.13	122.97	0.2082	0.0983	15.58
33.99	0.0615	-0.0090	36.55	125.82	0.2406	0.1006	14.54
33.96	0.0616	-0.0087	36.50	125.60	0.2484	0.1018	14.25
26.83	0.0561	-0.0146	35.95	127.84	0.2667	0.1059	13.43
21.88	0.0521	-0.0181	35.99	130.19	0.3092	0.1203	9.43
21.90	0.0520	-0.0176	35.87	132.53	0.3808	0.1361	2.55
16.69	0.0472	-0.0196	36.02	135.33	0.5839	0.1488	0.74
11.74	0.0411	-0.0191	36.73	134.42	0.6242	0.1503	1.47
11.77	0.0405	-0.0188	36.66	138.35	0.9389	0.1660	4.57
5.05	0.0288	-0.0150	37.88	140.16	1.0700	0.1797	4.60
0.02	0.0138	-0.0214	22.19	142.63	1.2374	0.1966	4.74
-0.04	0.0143	-0.0181	24.84	145.78	1.3852	0.2142	5.30
-0.02	0.0145	-0.0192	24.85	142.52	1.4143	0.2103	5.31
-0.02	0.0145	-0.0195	24.69	0.22	1.2009	0.0582	6.28
0.02	0.0143	-0.0192	24.72				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00100 (CH 1745)

AZ = 0.23 DEGREES V = 23 FT 10.7 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00100 (CH 1746)

AZ = 0.23 DEGREES V = 23 FT 10.7 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 101 CHANNELS 1748 1749 1760

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	0.0000	-0.68	9.89	0.0172	0.0097	-6.23
5.33	0.0022	0.0011	41.85	19.55	0.0369	0.0187	-1.90
12.31	0.0059	0.0028	-31.15	29.57	0.0557	0.0274	-0.88
16.44	0.0091	0.0044	-28.48	39.42	0.0726	0.0354	-0.88
20.51	0.0158	0.0071	-32.74	49.16	0.0880	0.0433	-0.91
20.46	0.0170	0.0079	-34.14	54.50	0.0972	0.0475	-0.61
20.47	0.0175	0.0085	-35.29	59.57	0.1068	0.0516	0.80
27.05	0.0233	0.0088	41.87	64.20	0.1168	0.0555	2.91
34.69	0.0397	0.0258	-9.51	69.32	0.1282	0.0594	4.65
34.53	0.0460	0.0272	1.17	74.16	0.1392	0.0652	6.98
34.53	0.0473	0.0276	2.12	80.16	0.1512	0.0682	8.37
39.70	0.0642	0.0339	2.68	85.61	0.1639	0.0722	9.83
45.90	0.0826	0.0422	3.55	90.58	0.1764	0.0757	10.95
45.65	0.0834	0.0426	3.45	95.69	0.1899	0.0800	11.91
45.62	0.0834	0.0426	3.37	100.92	0.2033	0.0849	12.79
50.10	0.0925	0.0468	3.73	103.25	0.2090	0.0871	13.11
53.47	0.1010	0.0506	4.21	106.11	0.2157	0.0889	13.81
53.29	0.1018	0.0511	4.37	108.31	0.2209	0.0904	14.35
53.21	0.1021	0.0512	4.37	111.08	0.2283	0.0932	14.98
50.49	0.1001	0.0504	4.75	113.24	0.2341	0.0950	15.32
46.14	0.0952	0.0483	5.17	117.83	0.2462	0.0986	15.70
46.13	0.0949	0.0480	4.98	120.92	0.2552	0.1017	15.50
44.97	0.0971	0.0499	5.61	123.28	0.2640	0.1068	15.10
38.98	0.0899	0.0465	6.61	122.97	0.2657	0.1082	14.89
33.99	0.0828	0.0432	7.63	125.82	0.2740	0.1179	14.16
33.96	0.0826	0.0428	8.85	125.60	0.2773	0.1201	13.76
26.83	0.0717	0.0371	11.68	127.84	0.2832	0.1284	13.25
21.88	0.0639	0.0326	14.68	130.19	0.2949	0.1518	10.65
21.90	0.0648	0.0316	17.29	132.53	0.3224	0.1831	5.32
16.69	0.0567	0.0266	20.90	135.33	0.4246	0.2099	-7.46
11.74	0.0478	0.0210	25.11	134.42	0.4506	0.2102	-8.77
11.77	0.0456	0.0199	24.88	138.35	0.6289	0.1988	-12.85
5.05	0.0346	0.0124	31.14	140.16	0.7244	0.1903	-13.29
0.02	0.0267	0.0053	39.61	142.63	0.8538	0.1790	-13.80
-0.04	0.0232	0.0027	39.27	145.78	0.9773	0.1674	-14.40
-0.02	0.0239	0.0033	39.78	142.52	1.0678	0.1542	-15.07
-0.02	0.0244	0.0034	40.34	0.22	0.7869	0.0312	-16.33
0.02	0.0247	0.0033	40.60				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00101 (CH 1748)
 AZ = 44.47 DEGREES V = 20 FT 9 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00101 (CH 1749)
 AZ = 44.47 DEGREES V = 20 FT 9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 102 CHANNELS 1761 1762 1763

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0002	-40.66	9.89	0.0110	-0.0159	-38.67
5.33	0.0149	-0.0113	-42.60	19.55	0.0039	-0.0134	-30.05
12.31	0.0237	-0.0230	-43.55	29.57	-0.0010	-0.0094	7.60
16.44	0.0256	-0.0259	-42.15	39.42	0.0042	-0.0143	33.19
20.51	0.0250	-0.0261	-40.44	49.16	0.0104	-0.0191	38.04
20.46	0.0245	-0.0254	-40.34	54.50	0.0140	-0.0216	39.72
20.47	0.0242	-0.0251	-40.39	59.57	0.0165	-0.0241	40.52
27.05	0.0200	-0.0198	-37.12	64.20	0.0178	-0.0267	41.11
34.69	0.0107	-0.0103	-26.11	69.32	0.0192	-0.0293	41.61
34.53	0.0089	-0.0094	-23.73	74.16	0.0201	-0.0318	41.77
34.53	0.0086	-0.0093	-23.57	80.16	0.0195	-0.0321	41.78
39.70	0.0060	-0.0060	-8.50	85.61	0.0205	-0.0347	42.14
45.90	0.0061	-0.0075	22.41	90.58	0.0212	-0.0372	42.79
45.65	0.0055	-0.0074	22.01	95.69	0.0220	-0.0406	43.83
45.62	0.0052	-0.0072	20.87	100.92	0.0244	-0.0453	-44.62
50.10	0.0076	-0.0103	30.28	103.25	0.0257	-0.0470	-43.74
53.47	0.0090	-0.0131	34.88	106.11	0.0273	-0.0495	-42.92
53.29	0.0086	-0.0131	35.16	108.31	0.0287	-0.0513	-42.46
53.21	0.0085	-0.0131	35.12	111.08	0.0304	-0.0538	-41.65
50.49	0.0065	-0.0122	34.12	113.24	0.0315	-0.0557	-41.17
46.14	0.0033	-0.0104	30.34	117.83	0.0348	-0.0595	-40.08
46.13	0.0035	-0.0103	29.92	120.92	0.0362	-0.0612	-39.09
44.97	0.0028	-0.0102	30.16	123.28	0.0379	-0.0619	-38.54
38.98	-0.0011	-0.0072	13.03	122.97	0.0381	-0.0620	-38.39
33.99	-0.0006	-0.0075	-19.31	125.82	0.0417	-0.0629	-38.16
33.96	-0.0007	-0.0076	-20.55	125.60	0.0425	-0.0625	-38.04
26.83	0.0043	-0.0123	-36.34	127.84	0.0506	-0.0639	-38.61
21.88	0.0084	-0.0157	-39.17	130.19	0.0664	-0.0640	-42.37
21.90	0.0080	-0.0153	-39.12	132.53	0.0961	-0.0532	39.58
16.69	0.0126	-0.0186	-41.22	135.33	0.1742	-0.0162	27.86
11.74	0.0166	-0.0205	-42.79	134.42	0.1909	-0.0082	25.72
11.77	0.0164	-0.0205	-42.58	138.35	0.3765	0.0458	3.98
5.05	0.0190	-0.0162	-44.83	140.16	0.5930	0.0633	-0.91
0.02	0.0084	-0.0062	39.92	142.63	0.8391	0.0983	-0.88
-0.04	0.0066	-0.0049	41.54	145.78	0.9675	0.1394	0.23
-0.02	0.0067	-0.0051	41.25	142.52	0.9827	0.1472	0.73
-0.02	0.0069	-0.0053	40.95	0.22	0.8327	-0.0037	2.47
0.02	0.0070	-0.0055	40.68				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00102 (CH 1761)
AZ = 44.53 DEGREES V = 23 FT 10.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00102 (CH 1762)
 AZ = 44.53 DEGREES V = 23 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 103 CHANNELS 1764 1765 1766

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0002	-42.68	9.89	0.0117	0.0034	40.96
5.33	0.0032	0.0001	-41.39	19.55	0.0202	0.0051	34.30
12.31	0.0069	0.0025	-35.54	29.57	0.0291	0.0078	33.74
16.44	0.0093	0.0050	-33.95	39.42	0.0372	0.0110	33.76
20.51	0.0125	0.0072	-43.35	49.16	0.0452	0.0140	33.40
20.46	0.0130	0.0073	42.76	54.50	0.0499	0.0158	33.40
20.47	0.0133	0.0075	40.76	59.57	0.0550	0.0165	33.70
27.05	0.0200	0.0085	27.75	64.20	0.0601	0.0175	33.83
34.69	0.0301	0.0050	22.79	69.32	0.0650	0.0187	33.27
34.53	0.0313	0.0036	23.51	74.16	0.0696	0.0194	32.79
34.53	0.0315	0.0033	23.74	80.16	0.0735	0.0190	31.65
39.70	0.0361	0.0023	24.83	85.61	0.0773	0.0195	30.52
45.90	0.0438	0.0017	26.77	90.58	0.0814	0.0197	29.59
45.65	0.0438	0.0015	26.87	95.69	0.0856	0.0201	28.69
45.62	0.0438	0.0014	26.98	100.92	0.0900	0.0207	27.88
50.10	0.0479	0.0022	28.08	103.25	0.0924	0.0215	27.79
53.47	0.0521	0.0031	28.90	106.11	0.0947	0.0220	27.35
53.29	0.0525	0.0031	29.06	108.31	0.0965	0.0226	27.10
53.21	0.0525	0.0032	29.14	111.08	0.0993	0.0233	26.66
50.49	0.0512	0.0028	29.41	113.24	0.1015	0.0243	26.27
46.14	0.0486	0.0020	29.63	117.83	0.1051	0.0254	25.79
46.13	0.0483	0.0019	29.65	120.92	0.1083	0.0270	25.70
44.97	0.0494	0.0023	30.42	123.28	0.1107	0.0289	25.62
38.98	0.0456	0.0008	30.86	122.97	0.1110	0.0289	25.76
33.99	0.0420	-0.0004	31.08	125.82	0.1135	0.0309	25.52
33.96	0.0420	-0.0005	31.06	125.60	0.1141	0.0314	25.69
26.83	0.0367	-0.0024	31.38	127.84	0.1159	0.0332	25.54
21.88	0.0327	-0.0038	31.57	130.19	0.1183	0.0361	25.00
21.90	0.0327	-0.0037	31.44	132.53	0.1224	0.0397	24.01
16.69	0.0289	-0.0052	31.95	135.33	0.1336	0.0441	22.00
11.74	0.0250	-0.0067	32.44	134.42	0.1362	0.0438	21.50
11.77	0.0242	-0.0067	32.28	138.35	0.1624	0.0469	18.06
5.05	0.0188	-0.0082	33.04	140.16	0.1845	0.0492	15.25
0.02	0.0107	-0.0104	28.79	142.63	0.2170	0.0531	12.44
-0.04	0.0107	-0.0100	29.53	145.78	0.2505	0.0584	10.39
-0.02	0.0110	-0.0097	29.17	142.52	0.2562	0.0558	9.65
-0.02	0.0111	-0.0096	28.99	0.22	0.1010	-0.0299	6.95
0.02	0.0112	-0.0099	29.05				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00103 (CH 1764)

AZ = 44.37 DEGREES V = 24 FT 0.0 IN.

LINER ROSETTE - MINIMUM STRAIN ROSETTE R00103 (CH 1765)

AZ = 44.37 DEGREES V = 24 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 104 CHANNELS 1767 1768 1769

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	-41.27	9.89	0.0080	0.0065	27.15
5.33	0.0019	0.0014	-42.65	19.55	0.0159	0.0131	25.20
12.31	0.0044	0.0039	-14.06	29.57	0.0238	0.0199	26.18
16.44	0.0060	0.0053	-32.43	39.42	0.0310	0.0264	24.71
20.51	0.0092	0.0085	7.31	49.16	0.0381	0.0325	24.18
20.46	0.0094	0.0092	7.70	54.50	0.0423	0.0362	23.96
20.47	0.0100	0.0095	24.21	59.57	0.0466	0.0402	22.58
27.05	0.0175	0.0157	28.93	64.20	0.0510	0.0444	18.66
34.69	0.0289	0.0247	36.47	69.32	0.0564	0.0490	18.76
34.53	0.0304	0.0254	39.43	74.16	0.0615	0.0539	13.12
34.53	0.0305	0.0259	38.60	80.16	0.0668	0.0585	9.18
39.70	0.0351	0.0301	37.32	85.61	0.0720	0.0639	-8.58
45.90	0.0425	0.0365	37.88	90.58	0.0779	0.0689	-14.51
45.65	0.0423	0.0373	38.15	95.69	0.0843	0.0743	-16.60
45.62	0.0424	0.0374	38.55	100.92	0.0912	0.0795	-17.40
50.10	0.0464	0.0411	37.65	103.25	0.0944	0.0821	-17.03
53.47	0.0503	0.0446	37.32	106.11	0.0979	0.0849	-17.14
53.29	0.0507	0.0451	37.35	108.31	0.1004	0.0872	-15.89
53.21	0.0512	0.0452	37.74	111.08	0.1043	0.0901	-14.41
50.49	0.0496	0.0445	38.68	113.24	0.1073	0.0924	-13.85
46.14	0.0473	0.0424	40.88	117.83	0.1141	0.0980	-12.70
46.13	0.0471	0.0424	40.36	120.92	0.1194	0.1022	-11.41
44.97	0.0474	0.0431	41.34	123.28	0.1243	0.1058	-10.41
38.98	0.0437	0.0402	-44.96	122.97	0.1251	0.1064	-9.59
33.99	0.0404	0.0372	-43.85	125.82	0.1303	0.1100	-8.55
33.96	0.0404	0.0371	-41.98	125.60	0.1316	0.1109	-8.10
26.83	0.0351	0.0327	-34.72	127.84	0.1352	0.1133	-7.64
21.88	0.0315	0.0292	-27.88	130.19	0.1409	0.1166	-6.58
21.90	0.0313	0.0290	-28.60	132.53	0.1477	0.1200	-5.68
16.69	0.0278	0.0255	-22.08	135.33	0.1587	0.1248	-4.32
11.74	0.0243	0.0219	-18.80	134.42	0.1607	0.1252	-4.18
11.77	0.0235	0.0215	-17.38	138.35	0.1764	0.1318	-4.06
5.05	0.0190	0.0166	-8.03	140.16	0.1894	0.1368	-4.24
0.02	0.0153	0.0127	-6.44	142.63	0.2085	0.1447	-4.48
-0.04	0.0152	0.0120	-6.98	145.78	0.2289	0.1544	-4.44
-0.02	0.0156	0.0123	-9.66	142.52	0.2281	0.1522	-4.01
-0.02	0.0156	0.0126	-12.48	0.22	0.0922	0.0262	-1.52
0.02	0.0154	0.0122	-11.74				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00104 (CH 1767)
 AZ = 44.9 DEGREES V = 26 FT 5.8 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00104 (CH 1768)
AZ = 44.9 DEGREES V = 26 FT 5.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 105 CHANNELS 1780 1781 1782

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0000	-31.72	9.89	0.0124	0.0072	1.31
5.33	0.0037	0.0008	1.97	19.55	0.0249	0.0142	1.67
12.31	0.0084	0.0022	3.43	29.57	0.0373	0.0211	1.43
16.44	0.0119	0.0033	4.82	39.42	0.0488	0.0275	1.65
20.51	0.0176	0.0058	6.97	49.16	0.0595	0.0337	2.03
20.46	0.0185	0.0070	7.28	54.50	0.0656	0.0376	2.10
20.47	0.0189	0.0075	9.16	59.57	0.0661	0.0397	8.57
27.05	0.0302	0.0150	8.14	64.20	0.0720	0.0392	21.47
34.69	0.0449	0.0279	4.96	69.32	0.0755	0.0385	30.27
34.53	0.0469	0.0300	7.81	74.16	0.0813	0.0384	34.13
34.53	0.0472	0.0308	7.88	80.16	0.0910	0.0481	24.71
39.70	0.0541	0.0361	6.16	85.61	0.1102	0.0581	13.71
45.90	0.0607	0.0435	11.25	90.58	0.1210	0.0647	11.21
45.65	0.0595	0.0433	12.65	95.69	0.1299	0.0711	11.68
45.62	0.0590	0.0432	12.53	100.92	0.1414	0.0799	9.36
50.10	0.0716	0.0472	-0.65	103.25	0.1445	0.0837	10.38
53.47	0.0882	0.0494	-7.34	106.11	0.1482	0.0878	10.59
53.29	0.0883	0.0495	-6.57	108.31	0.1511	0.0910	10.09
53.21	0.0882	0.0495	-6.40	111.08	0.1550	0.0951	10.65
50.49	0.0858	0.0486	-6.41	113.24	0.1611	0.0990	8.80
46.14	0.0815	0.0466	-6.82	117.83	0.1752	0.1072	2.95
46.13	0.0812	0.0463	-6.51	120.92	0.1887	0.1123	-0.74
44.97	0.0808	0.0471	-5.41	123.28	0.2009	0.1161	-2.79
38.98	0.0748	0.0442	-6.58	122.97	0.2023	0.1164	-2.91
33.99	0.0693	0.0413	-7.43	125.82	0.2121	0.1205	-4.85
33.96	0.0694	0.0413	-7.13	125.60	0.2138	0.1213	-5.04
26.83	0.0611	0.0369	-8.03	127.84	0.2182	0.1239	-5.65
21.88	0.0554	0.0339	-8.64	130.19	0.2244	0.1283	-8.18
21.90	0.0563	0.0342	-7.40	132.53	0.2320	0.1323	-11.01
16.69	0.0506	0.0312	-8.39	135.33	0.2476	0.1326	-13.59
11.74	0.0446	0.0276	-10.23	134.42	0.2500	0.1316	-13.90
11.77	0.0440	0.0267	-10.49	138.35	0.2804	0.1355	-14.00
5.05	0.0363	0.0218	-14.07	140.16	0.3152	0.1404	-13.74
0.02	0.0308	0.0181	-17.33	142.63	0.4083	0.1471	-11.94
-0.04	0.0312	0.0164	-16.72	145.78	0.5061	0.1532	-11.42
-0.02	0.0319	0.0167	-17.21	142.52	0.5234	0.1523	-10.73
-0.02	0.0318	0.0169	-17.23	0.22	0.3155	0.0660	-15.48
0.02	0.0318	0.0170	-16.84				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00105 (CH 1780)

AZ = 89.9 DEGREES V = 20 FT 9.3 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00105 (CH 1781)
 AZ = 89.9 DEGREES V = 20 FT 9.3 IN.

ROSETTE	106	CHANNELS	1783	1784	1785
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STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure	Maximum	Minimum	Angle	Pressure	Maximum	Minimum	Angle
psig	%Strain	%Strain	Degrees	psig	%Strain	%Strain	Degrees
-0.05	0.0008	0.0000	28.86	9.89	0.0178	0.0036	43.99
5.33	0.0063	-0.0015	-42.35	19.55	0.0325	0.0089	42.35
12.31	0.0124	-0.0009	-37.06	29.57	0.0468	0.0150	40.05
16.44	0.0164	0.0018	-32.21	39.42	0.0603	0.0211	38.28
20.51	0.0219	0.0043	-31.92	49.16	0.0723	0.0279	37.11
20.46	0.0230	0.0036	-31.57	54.50	0.0800	0.0318	36.86
20.47	0.0230	0.0008	-35.31	59.57	0.0878	0.0355	35.51
27.05	0.0332	0.0088	-40.35	64.20	0.0961	0.0334	33.86
34.69	0.0486	0.0152	44.84	69.32	0.1049	0.0384	31.87
34.53	0.0513	0.0130	-44.51	74.16	0.1144	0.0368	30.56
34.53	0.0521	0.0133	-44.42	80.16	0.1225	0.0532	27.77
39.70	0.0603	0.0206	42.17	85.61	0.1320	0.0552	25.26
45.90	0.0733	0.0266	34.59	90.58	0.1429	0.0592	23.08
45.65	0.0730	0.0244	35.83	95.69	0.1583	0.0611	22.21
45.62	0.0726	0.0241	36.54	100.92	0.1853	0.0555	24.42
50.10	0.0793	0.0271	36.47	103.25	0.2038	0.0465	27.56
53.47	0.0856	0.0296	36.11	106.11	0.2330	0.0287	30.59
53.29	0.0862	0.0296	36.36	108.31	0.2635	0.0087	32.90
53.21	0.0862	0.0295	36.68	111.08	0.3034	-0.0140	34.59
50.49	0.0844	0.0278	37.15	113.24	0.3492	-0.0460	36.32
46.14	0.0802	0.0250	37.58	117.83	0.4661	-0.1321	39.07
46.13	0.0800	0.0246	37.68	120.92	0.5744	-0.2140	40.98
44.97	0.0816	0.0221	39.57	123.28	0.6867	-0.2612	43.37
38.98	0.0754	0.0201	40.46	122.97	0.7115	-0.2661	43.96
33.99	0.0701	0.0183	40.48	125.82	0.8923	-0.2350	-40.53
33.96	0.0697	0.0195	41.34	125.60	0.9195	-0.2189	-39.41
26.83	0.0614	0.0142	42.62	127.84	0.9967	-0.1392	-35.32
21.88	0.0554	0.0104	43.77	130.19	1.1950	0.0535	-23.89
21.90	0.0559	0.0094	44.28	132.53	1.3841	0.1467	-16.31
16.69	0.0502	0.0052	44.47	135.33	1.4969	0.1744	-14.97
11.74	0.0438	0.0036	43.66	134.42	1.5155	0.1691	-15.02
11.77	0.0418	0.0054	40.76	138.35	1.6515	0.1806	-14.89
5.05	0.0317	0.0027	40.49	140.16	1.7715	0.2001	-14.46
0.02	0.0225	0.0027	-44.86	142.63	1.9161	0.2158	-14.07
-0.04	0.0176	0.0036	-41.42	145.78	2.0247	0.2381	-13.92
-0.02	0.0185	0.0034	-40.80	142.52	2.0426	0.2363	-13.81
-0.02	0.0190	0.0031	-39.89	0.22	1.7727	0.0924	-12.85
0.02	0.0199	0.0056	-30.81				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00106 (CH 1783)

AZ = 90.22 DEGREES V = 23 FT 10.8 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00106 (CH 1784)

AZ = 90.22 DEGREES V = 23 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 107 CHANNELS 1786 1787 1788

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0003	-26.26	9.89	0.0112	0.0067	-3.16
5.33	0.0057	0.0009	-3.25	19.55	0.0192	0.0122	-6.92
12.31	0.0109	0.0033	0.80	29.57	0.0276	0.0166	-8.91
16.44	0.0137	0.0051	1.19	39.42	0.0353	0.0209	-9.76
20.51	0.0168	0.0079	0.77	49.16	0.0425	0.0258	-9.62
20.46	0.0169	0.0084	-0.07	54.50	0.0467	0.0284	-10.17
20.47	0.0169	0.0083	-0.91	59.57	0.0491	0.0304	-8.26
27.05	0.0225	0.0140	0.60	64.20	0.0506	0.0338	-2.92
34.69	0.0295	0.0218	0.24	69.32	0.0527	0.0380	3.18
34.53	0.0304	0.0230	0.71	74.16	0.0549	0.0409	7.94
34.53	0.0310	0.0231	1.27	80.16	0.0580	0.0457	27.57
39.70	0.0349	0.0271	2.11	85.61	0.0624	0.0483	43.73
45.90	0.0399	0.0330	-5.20	90.58	0.0662	0.0498	-36.16
45.65	0.0395	0.0321	-7.58	95.60	0.0693	0.0511	-27.99
45.62	0.0393	0.0320	-6.63	100.92	0.0682	0.0523	-17.72
50.10	0.0426	0.0346	-4.93	103.25	0.0690	0.0530	-13.54
53.47	0.0451	0.0388	4.02	106.11	0.0708	0.0529	-9.28
53.29	0.0452	0.0388	3.66	108.31	0.0713	0.0528	-5.12
53.21	0.0452	0.0387	2.06	111.08	0.0728	0.0525	-1.93
50.49	0.0439	0.0374	0.07	113.24	0.0741	0.0519	-0.85
46.14	0.0413	0.0353	-2.81	117.83	0.0764	0.0512	1.84
46.13	0.0413	0.0354	-0.60	120.92	0.0769	0.0511	5.33
44.97	0.0427	0.0349	-11.48	123.28	0.0775	0.0511	6.70
38.98	0.0390	0.0316	-14.00	122.97	0.0771	0.0509	7.12
33.99	0.0356	0.0287	-18.11	125.82	0.0780	0.0514	5.53
33.96	0.0358	0.0288	-16.14	125.60	0.0779	0.0511	5.70
26.83	0.0304	0.0251	-20.52	127.84	0.0791	0.0519	4.03
21.83	0.0267	0.0222	-22.68	130.19	0.0794	0.0525	2.42
21.90	0.0273	0.0218	-23.93	132.53	0.0805	0.0527	0.32
16.69	0.0237	0.0188	-23.25	135.33	0.0823	0.0528	1.74
11.74	0.0193	0.0163	-21.78	134.42	0.0816	0.0521	3.37
11.77	0.0184	0.0175	3.60	138.35	0.0863	0.0521	6.82
5.05	0.0139	0.0115	-32.04	140.16	0.0888	0.0517	8.37
0.02	0.0106	0.0052	-16.12	142.63	0.0920	0.0513	9.88
-0.04	0.0111	0.0051	-16.76	145.78	0.0968	0.0532	8.83
-0.02	0.0113	0.0056	-17.80	142.52	0.0913	0.0490	9.13
-0.02	0.0114	0.0057	-18.42	0.22	-0.0222	-0.0868	5.99
0.02	0.0112	0.0057	-19.78				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00107 (CH 1786)

AZ = 90.25 DEGREES V = 24 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00107 (CH 1787)

AZ = 90.25 DEGREES V = 24 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 108 CHANNELS 1789 1800 1801

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0004	0.0001	-28.30	9.89	0.0051	-0.0149	11.52
5.33	0.0013	-0.0147	6.46	19.55	0.0078	-0.0165	8.02
12.31	-0.0004	-0.0234	2.98	29.57	0.0114	-0.0152	3.58
16.44	-0.0006	-0.0268	0.73	39.42	0.0160	-0.0138	0.15
20.51	0.0004	-0.0284	-0.64	49.16	0.0208	-0.0106	-3.64
20.46	0.0011	-0.0276	-0.64	54.50	0.0247	-0.0070	-4.75
20.47	0.0013	-0.0271	-0.82	59.57	0.0285	-0.0030	-7.51
27.05	0.0055	-0.0272	-2.48	64.20	0.0318	0.0018	-11.78
34.69	0.0132	-0.0227	-4.66	69.32	0.0360	0.0068	-16.06
34.53	0.0145	-0.0201	-4.76	74.16	0.0418	0.0118	-22.29
34.53	0.0152	-0.0193	-4.52	80.16	0.0481	0.0161	-28.03
39.70	0.0187	-0.0185	-5.87	85.61	0.0551	0.0208	-32.67
45.90	0.0240	-0.0148	-7.10	90.58	0.0628	0.0244	-34.96
45.65	0.0239	-0.0149	-7.06	95.69	0.0702	0.0299	-35.75
45.62	0.0239	-0.0149	-7.04	100.92	0.0767	0.0359	-37.75
50.10	0.0270	-0.0125	-8.15	103.25	0.0800	0.0391	-38.03
53.47	0.0297	-0.0094	-9.10	106.11	0.0824	0.0434	-39.07
53.29	0.0300	-0.0090	-9.25	108.31	0.0849	0.0461	-39.73
53.21	0.0300	-0.0088	-9.09	111.08	0.0890	0.0497	-40.73
50.49	0.0288	-0.0090	-8.64	113.24	0.0920	0.0519	-41.69
46.14	0.0273	-0.0104	-7.45	117.83	0.0975	0.0572	-43.37
46.13	0.0271	-0.0106	-7.39	120.92	0.1013	0.0615	-43.80
44.97	0.0284	-0.0088	-7.01	123.28	0.1052	0.0648	-43.93
38.98	0.0257	-0.0083	-5.57	122.97	0.1058	0.0655	-43.87
33.99	0.0234	-0.0083	-4.09	125.82	0.1094	0.0685	-43.93
33.96	0.0233	-0.0083	-4.29	125.60	0.1110	0.0689	-43.83
26.83	0.0202	-0.0086	-2.48	127.84	0.1132	0.0713	-43.59
21.88	0.0184	-0.0091	-1.65	130.19	0.1164	0.0743	-42.24
21.90	0.0183	-0.0092	-1.43	132.53	0.1209	0.0779	-39.73
16.69	0.0173	-0.0096	-0.66	135.33	0.1282	0.0836	-34.52
11.74	0.0163	-0.0091	-0.55	134.42	0.1303	0.0842	-33.17
11.77	0.0153	-0.0101	0.10	138.35	0.1439	0.0905	-25.94
5.05	0.0134	-0.0054	-4.06	140.16	0.1553	0.0949	-21.76
0.02	0.0118	0.0021	-28.24	142.63	0.1751	0.1000	-17.58
-0.04	0.0106	0.0021	-27.94	145.78	0.1968	0.1059	-14.58
-0.02	0.0112	0.0023	-29.06	142.52	0.1988	0.0999	-13.81
-0.02	0.0113	0.0022	-28.90	0.22	0.0668	-0.0082	-9.80
0.02	0.0109	0.0021	-29.91				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00108 (CH 1789)
 AZ = 90 DEGREES V = 26 FT 1.1 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00108 (CH 1800)
 AZ = 90 DEGREES V = 26 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 109 CHANNELS 1802 1803 1804

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0008	-0.0001	-40.95	9.89	0.0135	0.0053	-2.38
5.33	0.0046	0.0012	-16.31	19.55	0.0274	0.0106	-1.84
12.31	0.0098	0.0030	-14.53	29.57	0.0419	0.0161	-1.95
16.44	0.0135	0.0044	-12.90	39.42	0.0555	0.0216	-2.63
20.51	0.0197	0.0065	-10.09	49.16	0.0683	0.0267	-2.53
20.46	0.0210	0.0072	-9.76	54.50	0.0759	0.0302	-2.75
20.47	0.0217	0.0076	-9.46	59.57	0.0832	0.0335	-2.83
27.05	0.0340	0.0124	-4.85	64.20	0.0910	0.0374	-3.02
34.69	0.0499	0.0205	-1.89	69.32	0.0993	0.0402	-1.33
34.53	0.0524	0.0229	-2.15	74.16	0.1079	0.0438	0.22
34.53	0.0529	0.0234	-2.10	80.16	0.1173	0.0476	0.53
39.70	0.0607	0.0270	-1.32	85.61	0.1285	0.0524	1.13
45.90	0.0712	0.0323	-0.50	90.58	0.1396	0.0572	0.60
45.65	0.0709	0.0319	-0.38	95.69	0.1506	0.0616	0.48
45.62	0.0706	0.0314	0.12	100.92	0.1561	0.0670	-1.15
50.10	0.0762	0.0340	0.22	103.25	0.1568	0.0698	-2.07
53.47	0.0815	0.0367	0.34	106.11	0.1568	0.0727	-2.80
53.29	0.0816	0.0369	0.48	108.31	0.1567	0.0749	-3.02
53.21	0.0816	0.0370	0.45	111.08	0.1563	0.0782	-3.80
50.49	0.0793	0.0363	0.52	113.24	0.1558	0.0806	-3.86
46.14	0.0748	0.0348	0.78	117.83	0.1546	0.0859	-4.72
46.13	0.0743	0.0346	0.99	120.92	0.1548	0.0897	-5.60
44.97	0.0743	0.0359	1.37	123.28	0.1547	0.0928	-6.18
38.98	0.0677	0.0336	1.74	122.97	0.1548	0.0934	-6.58
33.99	0.0615	0.0313	2.28	125.82	0.1555	0.0969	-7.53
33.96	0.0614	0.0314	1.81	125.60	0.1553	0.0975	-7.46
26.83	0.0521	0.0279	3.19	127.84	0.1558	0.0999	-7.88
21.88	0.0456	0.0255	3.66	130.19	0.1557	0.1041	-8.71
21.90	0.0460	0.0259	4.33	132.53	0.1558	0.1097	-10.57
16.69	0.0395	0.0239	5.86	135.33	0.1564	0.1147	-11.35
11.74	0.0325	0.0208	8.18	134.42	0.1559	0.1143	-11.13
11.77	0.0309	0.0194	9.74	138.35	0.1594	0.1170	-10.16
5.05	0.0222	0.0152	18.78	140.16	0.1623	0.1181	-10.42
0.02	0.0161	0.0115	32.35	142.63	0.2085	0.1216	-1.96
-0.04	0.0146	0.0099	34.94	145.78	0.4956	0.1235	0.96
-0.02	0.0148	0.0105	34.69	142.52	0.5784	0.1213	1.00
-0.02	0.0149	0.0109	36.12	0.22	0.3814	0.0224	0.45
0.02	0.0150	0.0101	42.06				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00109 (CH 1802)

AZ = 112.67 DEGREES V = 20 FT 0.8 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00109 (CH 1803)

AZ = 112.67 DEGREES V = 20 FT 0.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 110 CHANNELS 1805 1806 1807

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	35.82	9.89	0.0327	-0.0030	15.70
5.33	0.0082	0.0004	4.64	19.55	0.0585	-0.0071	19.66
12.31	0.0191	0.0009	5.08	29.57	0.0831	-0.0104	20.87
16.44	0.0266	0.0014	5.10	39.42	0.1060	-0.0129	21.14
20.51	0.0367	0.0020	5.36	49.16	0.1279	-0.0146	21.01
20.46	0.0379	0.0022	5.55	54.50	0.1405	-0.0151	20.91
20.47	0.0385	0.0024	5.21	59.57	0.1579	-0.0132	21.52
27.05	0.0432	-0.0049	25.01	64.20	0.1793	-0.0087	20.99
34.69	0.0581	-0.0175	34.96	69.32	0.2071	-0.0036	19.09
34.53	0.0772	-0.0267	35.57	74.16	0.2527	0.0060	14.23
34.53	0.0785	-0.0273	35.83	80.16	0.3948	0.0133	5.96
39.70	0.0937	-0.0312	35.35	85.61	0.6249	0.0132	0.37
45.90	0.1168	-0.0359	35.07	90.58	0.8314	0.0127	-1.14
45.65	0.1158	-0.0353	34.80	95.69	0.9947	0.0091	1.60
45.62	0.1152	-0.0349	34.71	100.92	1.1071	0.0025	3.49
50.10	0.1278	-0.0358	34.13	103.25	1.1464	-0.0009	4.58
53.47	0.1397	-0.0360	33.63	106.11	1.1907	-0.0034	5.17
53.29	0.1403	-0.0356	33.64	108.31	1.2229	-0.0038	5.16
53.21	0.1404	-0.0355	33.58	111.08	1.2644	-0.0026	4.90
50.49	0.1365	-0.0361	34.12	113.24	1.2893	0.0009	4.62
46.14	0.1288	-0.0367	35.04	117.83	1.3497	0.0102	3.51
46.13	0.1283	-0.0363	34.97	120.92	1.4044	0.0144	3.06
44.97	0.1292	-0.0378	35.53	123.28	1.4564	0.0169	2.90
38.98	0.1182	-0.0387	37.02	122.97	1.4718	0.0174	2.78
33.99	0.1080	-0.0389	38.36	125.82	1.5870	0.0228	1.85
33.96	0.1077	-0.0386	38.36	125.60	1.6078	0.0234	1.65
26.83	0.0925	-0.0380	40.50	127.84	1.6636	0.0248	1.11
21.88	0.0822	-0.0377	42.30	130.19	1.8143	0.0249	-0.06
21.90	0.0832	-0.0385	42.52	132.53	2.0245	0.0204	-0.85
16.69	0.0734	-0.0393	44.81	135.33	2.3189	0.0102	-1.46
11.74	0.0627	-0.0391	-42.53	134.42	2.3748	0.0075	-1.52
11.77	0.0600	-0.0364	-42.88	138.35	2.7224	-0.0065	-1.70
5.05	0.0465	-0.0377	-37.92	140.16	3.0199	-0.0180	-1.55
0.02	0.0375	-0.0476	-31.02	142.63	3.5113	-0.0326	-1.12
-0.04	0.0345	-0.0420	-31.21	145.78	4.0328	-0.0436	-0.91
-0.02	0.0352	-0.0430	-31.12	142.52	4.1531	-0.0489	-0.94
-0.02	0.0355	-0.0434	-31.07	0.22	3.7266	-0.0841	-1.96
0.02	0.0358	-0.0439	-31.03				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00110 (CH 1805)

AZ = 128.8 DEGREES V = 20 FT 1.1 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00110 (CH 1806)

AZ = 128.8 DEGREES V = 20 FT 1.1 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 111 CHANNELS 1808 1809 1820

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0001	11.01	9.89	0.0096	0.0069	22.85
5.33	0.0041	0.0025	-39.05	19.55	0.0193	0.0146	21.27
12.31	0.0090	0.0062	-36.81	29.57	0.0284	0.0228	17.35
16.44	0.0122	0.0086	-36.12	39.42	0.0369	0.0307	9.08
20.51	0.0164	0.0117	-40.13	49.16	0.0453	0.0387	0.84
20.46	0.0171	0.0120	-40.71	54.50	0.0503	0.0434	-2.52
20.47	0.0170	0.0121	-41.16	59.57	0.0549	0.0472	-6.68
27.05	0.0262	0.0180	44.29	64.20	0.0661	0.0495	-7.65
34.69	0.0366	0.0281	-43.16	69.32	0.0758	0.0529	-4.72
34.53	0.0378	0.0308	-41.83	74.16	0.0925	0.0553	-5.79
34.53	0.0380	0.0314	-40.49	80.16	0.1087	0.0571	-4.89
39.70	0.0433	0.0362	-37.38	85.61	0.1208	0.0605	-0.89
45.90	0.0476	0.0425	-27.69	90.58	0.1285	0.0639	2.84
45.65	0.0463	0.0414	-23.04	95.69	0.1421	0.0684	4.74
45.62	0.0461	0.0408	-25.24	100.92	0.1583	0.0750	4.09
50.10	0.0494	0.0440	-24.18	103.25	0.1688	0.0791	3.30
53.47	0.0519	0.0469	-19.69	106.11	0.1786	0.0850	0.76
53.29	0.0519	0.0469	-17.36	108.31	0.1843	0.0899	-0.07
53.21	0.0520	0.0468	-16.55	111.08	0.1906	0.0962	-3.01
50.49	0.0500	0.0457	-11.14	113.24	0.1961	0.0999	-5.01
46.14	0.0467	0.0428	0.49	117.83	0.2068	0.1016	-7.80
46.13	0.0467	0.0425	-2.07	120.92	0.2147	0.1026	-8.71
44.97	0.0476	0.0436	12.34	123.28	0.2195	0.1046	-9.53
38.98	0.0437	0.0389	25.76	122.97	0.2208	0.1044	-9.82
33.99	0.0405	0.0348	29.17	125.82	0.2273	0.1057	-11.48
33.96	0.0405	0.0347	29.30	125.60	0.2294	0.1064	-12.15
26.83	0.0353	0.0283	33.55	127.84	0.2341	0.1088	-13.06
21.88	0.0314	0.0242	36.21	130.19	0.2451	0.1112	-15.08
21.90	0.0327	0.0247	38.01	132.53	0.2741	0.1198	-19.13
16.69	0.0296	0.0205	41.44	135.33	0.3682	0.1706	-38.29
11.74	0.0259	0.0157	41.50	134.42	0.3880	0.1805	-40.78
11.77	0.0236	0.0144	35.74	138.35	0.5878	0.2379	34.03
5.05	0.0171	0.0093	39.29	140.16	0.7310	0.2833	28.76
0.02	0.0112	0.0056	-40.64	142.63	0.8987	0.3509	23.87
-0.04	0.0086	0.0036	-39.62	145.78	1.0015	0.4118	21.25
-0.02	0.0094	0.0036	-38.56	142.52	1.0091	0.4184	20.69
-0.02	0.0100	0.0039	-37.83	0.22	0.8097	0.2156	19.25
0.02	0.0102	0.0044	-40.36				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00111 (CH 1808)

AZ = 134.7 DEGREES V = 23 FT 10.9 IN.

Pressure (psig) - Channel #2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00111 (CH 1809)
 AZ = 134.7 DEGREES V = 23 FT 10.9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 112 CHANNELS 1821 1822 1823

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	-0.0024	20.25	9.89	0.0157	-0.0082	15.20
5.33	0.0043	-0.0104	22.39	19.55	0.0314	-0.0104	14.03
12.31	0.0101	-0.0209	21.24	29.57	0.0503	-0.0251	14.69
16.44	0.0128	-0.0201	20.83	39.42	0.0732	-0.0399	13.01
20.51	0.0184	-0.0182	19.66	49.16	0.0877	-0.0419	13.05
20.46	0.0197	-0.0170	19.57	54.50	0.0965	-0.0453	13.32
20.47	0.0203	-0.0171	19.91	59.57	0.1058	-0.0512	13.75
27.05	0.0330	-0.0088	18.31	64.20	0.1153	-0.0548	14.00
34.69	0.0501	-0.0019	18.26	69.32	0.1256	-0.0577	14.14
34.53	0.0517	-0.0012	18.80	74.16	0.1391	-0.0780	15.11
34.53	0.0519	0.0017	18.99	80.16	0.1566	-0.1126	16.01
39.70	0.0586	0.0085	18.58	85.61	0.1699	-0.1245	16.13
45.90	0.0703	0.0137	18.05	90.58	0.1826	-0.1344	16.16
45.65	0.0689	0.0166	19.01	95.69	0.2031	-0.1819	16.88
45.62	0.0679	0.0182	19.56	100.92	0.2210	-0.2000	16.69
50.10	0.0732	0.0220	20.06	103.25	0.2287	-0.2152	16.70
53.47	0.0779	0.0271	20.46	106.11	0.2336	-0.2191	16.60
53.29	0.0786	0.0207	21.94	108.31	0.2365	-0.2200	16.57
53.21	0.0784	0.0194	22.69	111.08	0.2438	-0.2434	16.83
50.49	0.0763	0.0176	23.79	113.24	0.2466	-0.2478	16.92
46.14	0.0721	0.0162	24.81	117.83	0.2505	-0.2513	17.05
46.13	0.0722	0.0118	25.17	120.92	0.2547	-0.2577	17.16
44.97	0.0692	0.0044	33.50	123.28	0.2605	-0.2749	17.47
38.98	0.0630	0.0007	37.42	122.97	0.2636	-0.2911	17.65
33.99	0.0577	-0.0025	40.47	125.82	0.2678	-0.2967	17.79
33.96	0.0574	0.0003	41.69	125.60	0.2731	-0.3235	18.05
26.83	0.0505	-0.0055	-44.69	127.84	0.2769	-0.3278	18.10
21.88	0.0459	-0.0088	-41.58	130.19	0.2925	-0.3947	18.64
21.90	0.0461	-0.0078	-40.18	132.53	0.2974	-0.3971	18.64
16.69	0.0419	-0.0119	-36.71	135.33	0.3067	-0.3994	18.54
11.74	0.0374	-0.0171	-33.90	134.42	0.3102	-0.4053	18.51
11.77	0.0362	-0.0185	-33.44	138.35	0.3426	-0.4444	18.13
5.05	0.0308	-0.0255	-30.69	140.16	0.3950	-0.4368	16.52
0.02	0.0276	-0.0297	-27.00	142.63	0.5640	-0.4244	13.09
-0.04	0.0421	-0.0238	-9.55	145.78	0.8315	-0.4270	10.13
-0.02	0.0428	-0.0253	-9.98	142.52	0.8846	-0.4431	10.00
-0.02	0.0411	-0.0268	-11.49	0.22	0.6101	-0.0378	2.06
0.02	0.0358	-0.0354	-17.05				

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00112 (CH 1821)

AZ = 179.87 DEGREES V = 20 FT 7.4 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00112 (CH 1822)

AZ = 179.87 DEGREES V = 20 FT 7.4 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 113 CHANNELS 1824 1825 1826

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	0.0000	-44.99	9.89	0.0128	-0.0026	-34.34
5.33	0.0097	-0.0048	-42.25	19.55	0.0287	0.0008	-40.06
12.31	0.0190	-0.0043	-43.44	29.57	0.0430	0.0062	-42.43
16.44	0.0226	-0.0022	-44.36	39.42	0.0538	0.0125	-43.88
20.51	0.0269	0.0012	-44.90	49.16	0.0632	0.0191	-44.80
20.46	0.0275	0.0017	-44.71	54.50	0.0683	0.0231	44.25
20.47	0.0277	0.0021	-44.71	59.57	0.0744	0.0265	-41.79
27.05	0.0367	0.0078	-44.16	64.20	0.0825	0.0329	-35.05
34.69	0.0480	0.0139	-42.19	69.32	0.0968	0.0363	-29.26
34.53	0.0495	0.0144	-41.23	74.16	0.1128	0.0420	-27.36
34.53	0.0502	0.0144	-40.83	80.16	0.1296	0.0438	-22.92
39.70	0.0557	0.0175	-38.22	85.61	0.1503	0.0464	-20.04
45.90	0.0626	0.0217	-34.21	90.58	0.1647	0.0507	-17.69
45.65	0.0622	0.0219	-33.00	95.69	0.1774	0.0553	-15.36
45.62	0.0617	0.0219	-32.95	100.92	0.1799	0.0621	-11.29
50.10	0.0659	0.0246	-31.89	103.25	0.1783	0.0657	-8.13
53.47	0.0698	0.0269	-29.81	106.11	0.1782	0.0722	-5.28
53.29	0.0703	0.0268	-29.20	108.31	0.1776	0.0787	-0.95
53.21	0.0705	0.0268	-29.05	111.08	0.1789	0.1040	2.51
50.49	0.0692	0.0252	-28.46	113.24	0.1817	0.1221	7.19
46.14	0.0664	0.0222	-27.66	117.83	0.1992	0.1774	-35.25
46.13	0.0662	0.0222	-27.58	120.92	0.2517	0.1843	-7.84
44.97	0.0664	0.0223	-27.08	123.28	0.3025	0.1866	-1.71
38.98	0.0617	0.0179	-25.69	122.97	0.3138	0.1866	-1.19
33.99	0.0571	0.0141	-24.10	125.82	0.3750	0.1873	1.12
33.96	0.0566	0.0142	-24.05	125.60	0.3886	0.1872	0.99
26.83	0.0490	0.0090	-21.52	127.84	0.4138	0.1881	-0.01
21.88	0.0428	0.0052	-18.73	130.19	0.4818	0.1885	0.94
21.90	0.0430	0.0050	-19.31	132.53	0.6010	0.1887	2.93
16.69	0.0360	0.0013	-14.26	135.33	0.7665	0.1863	6.54
11.74	0.0298	-0.0006	-9.70	134.42	0.7993	0.1839	7.23
11.77	0.0293	-0.0020	-9.97	138.35	1.0174	0.1719	10.10
5.05	0.0224	-0.0028	-2.73	140.16	1.1781	0.1655	11.09
0.02	0.0188	-0.0045	7.88	142.63	1.3873	0.1673	11.35
-0.04	0.0179	-0.0063	7.32	145.78	1.5140	0.1827	11.21
-0.02	0.0160	-0.0054	7.91	142.52	1.5260	0.1817	11.17
-0.02	0.0180	-0.0050	8.08	0.22	1.3011	0.0429	10.78
0.02	0.0174	-0.0047	7.05				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00113 (CH 1824)

AZ = 179.88 DEGREES V = 23 FT 10.9 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00113 (CH 1825)
 AZ = 179.88 DEGREES V = 23 FT 10.9 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 114 CHANNELS 1827 1828 1829

STRUCTURAL INTEGRITY TEST				HIGH PRESSURE TEST			
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0002	-0.0001	29.52	9.89	0.0145	0.0071	-3.21
5.33	0.0021	-0.0033	-7.24	19.55	0.0295	0.0157	2.55
12.31	0.0034	-0.0013	-10.83	29.57	0.0442	0.0241	3.90
16.44	0.0046	0.0018	-21.04	39.42	0.0578	0.0319	4.59
20.51	0.0111	0.0067	28.85	49.16	0.0710	0.0391	4.90
20.46	0.0140	0.0084	34.38	54.50	0.0787	0.0438	5.43
20.47	0.0151	0.0088	37.38	59.57	0.0860	0.0489	5.86
27.05	0.0261	0.0165	18.14	64.20	0.0930	0.0546	7.91
34.69	0.0377	0.0251	-0.17	69.32	0.1008	0.0615	9.28
34.53	0.0393	0.0263	-0.51	74.16	0.1087	0.0693	10.13
34.53	0.0397	0.0266	-0.97	80.16	0.1177	0.0780	10.87
39.70	0.0498	0.0322	1.69	85.61	0.1248	0.0868	9.58
45.90	0.0629	0.0425	3.90	90.58	0.1326	0.0945	7.60
45.65	0.0635	0.0439	4.87	95.69	0.1417	0.0996	7.48
45.62	0.0636	0.0440	5.64	100.92	0.1530	0.1035	6.53
50.10	0.0704	0.0487	7.82	103.25	0.1598	0.1063	6.32
53.47	0.0761	0.0541	12.04	106.11	0.1670	0.1087	6.55
53.29	0.0766	0.0549	13.43	108.31	0.1723	0.1110	6.52
53.21	0.0767	0.0553	13.64	111.08	0.1804	0.1145	7.31
50.49	0.0747	0.0550	15.47	113.24	0.1860	0.1176	7.69
46.14	0.0702	0.0532	18.62	117.83	0.1999	0.1221	8.70
46.13	0.0699	0.0530	18.29	120.92	0.2099	0.1270	10.08
44.97	0.0713	0.0553	21.76	123.28	0.2188	0.1330	11.19
38.98	0.0652	0.0519	29.15	122.97	0.2206	0.1351	11.74
33.99	0.0599	0.0484	35.63	125.82	0.2306	0.1416	13.25
33.96	0.0597	0.0483	36.10	125.60	0.2332	0.1434	13.67
26.83	0.0523	0.0417	-41.74	127.84	0.2393	0.1482	14.16
21.88	0.0473	0.0364	-33.29	130.19	0.2541	0.1558	15.17
21.90	0.0468	0.0361	-33.16	132.53	0.2738	0.1626	16.28
16.69	0.0421	0.0303	-25.77	135.33	0.2998	0.1641	16.72
11.74	0.0372	0.0240	-20.26	134.42	0.3056	0.1625	16.90
11.77	0.0359	0.0232	-19.48	138.35	0.3531	0.1528	19.75
5.05	0.0301	0.0146	-14.44	140.16	0.4034	0.1496	18.34
0.02	0.0265	0.0057	-10.19	142.63	0.5035	0.1574	13.71
-0.04	0.0241	0.0041	-8.07	145.78	0.6661	0.1702	6.43
-0.02	0.0238	0.0044	-8.11	142.52	0.6955	0.1663	5.34
-0.02	0.0235	0.0041	-7.98	0.22	0.4219	0.0665	-0.96
0.02	0.0232	0.0039	-7.93				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00114 (CH 1827)
AZ = 224.65 DEGREES V = 20 FT 8.5 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00114 (CH 1828)

AZ = 224.65 DEGREES V = 20 FT 8.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 115 CHANNELS 1840 1841 1842

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0006	40.66	9.89	0.0225	-0.0084	42.01
5.33	0.0161	-0.0146	39.71	19.55	0.0358	-0.0029	41.47
12.31	0.0183	-0.0149	40.64	29.57	0.0476	0.0049	43.73
16.44	0.0207	-0.0131	42.16	39.42	0.0578	0.0124	-44.31
20.51	0.0249	-0.0097	44.92	49.16	0.0667	0.0198	-42.91
20.46	0.0259	-0.0090	-44.53	54.50	0.0724	0.0239	-41.96
20.47	0.0263	-0.0087	-44.29	59.57	0.0796	0.0283	-40.62
27.05	0.0342	-0.0021	-40.85	64.20	0.0860	0.0317	-40.91
34.69	0.0450	0.0064	-38.48	69.32	0.0929	0.0345	-41.47
34.53	0.0456	0.0070	-38.45	74.16	0.0998	0.0374	-41.54
34.53	0.0457	0.0072	-38.58	80.16	0.1074	0.0407	-41.71
39.70	0.0510	0.0107	-38.71	85.61	0.1165	0.0438	-41.19
45.90	0.0587	0.0149	-40.03	90.58	0.1246	0.0471	-40.46
45.65	0.0590	0.0149	-40.63	95.69	0.1339	0.0502	-39.24
45.62	0.0589	0.0149	-40.70	100.92	0.1412	0.0545	-38.40
50.10	0.0640	0.0174	-40.97	103.25	0.1438	0.0568	-37.79
53.47	0.0690	0.0199	-41.02	106.11	0.1482	0.0592	-37.07
53.29	0.0693	0.0200	-41.34	108.31	0.1521	0.0608	-36.67
53.21	0.0691	0.0200	-41.54	111.08	0.1554	0.0644	-35.73
50.49	0.0673	0.0190	-41.89	113.24	0.1580	0.0667	-34.87
46.14	0.0638	0.0167	-42.31	117.83	0.1638	0.0730	-32.25
46.13	0.0635	0.0166	-42.31	120.92	0.1702	0.0773	-30.12
44.97	0.0644	0.0171	-42.10	123.28	0.1804	0.0798	-28.71
38.98	0.0590	0.0138	-42.70	122.97	0.1836	0.0804	-28.51
33.99	0.0546	0.0105	-43.25	125.82	0.1976	0.0837	-28.06
33.96	0.0545	0.0104	-43.28	125.60	0.2018	0.0848	-28.83
26.83	0.0484	0.0053	-44.53	127.84	0.2105	0.0888	-29.80
21.88	0.0436	0.0014	44.13	130.19	0.2337	0.0987	-33.68
21.90	0.0433	0.0012	44.12	132.53	0.2808	0.1167	-40.11
16.69	0.0364	-0.0028	42.75	135.33	0.3763	0.1543	39.08
11.74	0.0285	-0.0054	43.76	134.42	0.3958	0.1629	37.27
11.77	0.0283	-0.0061	43.29	138.35	0.5515	0.2289	26.44
5.05	0.0186	-0.0052	-44.82	140.16	0.7063	0.2805	20.03
0.02	0.0029	0.0012	-10.84	142.63	0.9205	0.3630	12.63
-0.04	0.0030	0.0009	-17.06	145.78	1.0450	0.4308	9.12
-0.02	0.0027	0.0009	-17.93	142.52	1.0578	0.4381	8.53
-0.02	0.0026	0.0009	-23.60	0.22	0.8690	0.2633	7.91
0.02	0.0024	0.0006	-25.99				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00115 (CH 1840)

AZ = 228.3 DEGREES V = 23 FT 11.2 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00115 (CH 1841)

AZ = 228.3 DEGREES V = 23 FT 11.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 116 CHANNELS 1843 1844 1845

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0005	-0.0001	22.52	9.89	0.0064	-0.0036	-21.15
5.33	0.0048	-0.0038	-10.47	19.55	0.0160	-0.0018	-16.95
12.31	0.0089	-0.0004	-11.30	29.57	0.0281	0.0050	-18.14
16.44	0.0119	0.0019	-10.36	39.42	0.0367	0.0139	-19.92
20.51	0.0146	0.0072	-16.65	49.16	0.0449	0.0215	-18.71
20.46	0.0146	0.0082	-20.53	54.50	0.0499	0.0252	-17.36
20.47	0.0146	0.0087	-21.82	59.57	0.0557	0.0294	-16.61
27.05	0.0211	0.0156	39.06	64.20	0.0624	0.0339	-14.62
34.69	0.0311	0.0219	20.04	69.32	0.0711	0.0377	-13.56
34.53	0.0329	0.0222	15.04	74.16	0.0793	0.0407	-12.96
34.53	0.0332	0.0220	15.29	80.16	0.0893	0.0439	-12.81
39.70	0.0411	0.0259	8.89	85.61	0.0980	0.0471	-12.80
45.90	0.0535	0.0304	5.39	90.58	0.1057	0.0499	-12.30
45.65	0.0546	0.0305	5.15	95.69	0.1146	0.0525	-12.47
45.62	0.0547	0.0302	5.58	100.92	0.1228	0.0553	-12.38
50.10	0.0606	0.0333	4.59	103.25	0.1274	0.0567	-12.71
53.47	0.0673	0.0358	3.79	106.11	0.1325	0.0580	-12.93
53.29	0.0681	0.0358	3.56	108.31	0.1367	0.0593	-13.08
53.21	0.0681	0.0359	3.87	111.08	0.1436	0.0611	-13.81
50.49	0.0668	0.0346	3.86	113.24	0.1494	0.0628	-14.28
46.14	0.0639	0.0317	3.76	117.83	0.1607	0.0664	-14.62
46.13	0.0637	0.0318	3.54	120.92	0.1694	0.0690	-14.82
44.97	0.0645	0.0316	3.05	123.28	0.1776	0.0716	-14.94
38.98	0.0605	0.0255	3.34	122.97	0.1797	0.0720	-14.73
33.99	0.0570	0.0202	4.14	125.82	0.1901	0.0743	-14.66
33.96	0.0570	0.0199	4.27	125.60	0.1922	0.0743	-14.74
26.83	0.0516	0.0124	5.59	127.84	0.1978	0.0766	-14.66
21.88	0.0465	0.0076	7.22	130.19	0.2100	0.0796	-14.40
21.90	0.0463	0.0075	6.99	132.53	0.2288	0.0834	-13.98
16.69	0.0384	0.0045	9.87	135.33	0.2527	0.0910	-14.03
11.74	0.0327	0.0036	12.27	134.42	0.2573	0.0912	-14.14
11.77	0.0323	0.0034	12.07	138.35	0.2863	0.1037	-14.18
5.05	0.0300	0.0044	18.14	140.16	0.3116	0.1148	-14.03
0.02	0.0301	0.0045	25.02	142.63	0.3507	0.1326	-14.20
-0.04	0.0294	0.0050	23.39	145.78	0.3920	0.1475	-13.68
-0.02	0.0292	0.0047	23.11	142.52	0.3947	0.1436	-13.61
-0.02	0.0292	0.0044	23.81	0.22	0.2369	0.0217	-16.88
0.02	0.0291	0.0041	23.64				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE ROD116 (CH 1843)
AZ = 228.32 DEGREES V = 24 FT 0.2 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00116 (CH 1844)

AZ = 228.32 DEGREES V = 24 FT 0.2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 117 CHANNELS 1846 1847 1848

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0006	-0.0002	31.23	9.89	0.0079	0.0066	-41.58
5.33	0.0025	0.0016	34.85	19.55	0.0158	0.0134	43.58
12.31	0.0057	0.0042	32.63	29.57	0.0239	0.0205	41.94
16.44	0.0084	0.0063	36.73	39.42	0.0315	0.0276	39.77
20.51	0.0122	0.0100	38.96	49.16	0.0392	0.0345	38.04
20.46	0.0128	0.0108	40.82	54.50	0.0440	0.0387	36.13
20.47	0.0132	0.0111	42.72	59.57	0.0486	0.0430	34.54
27.05	0.0202	0.0180	-44.49	64.20	0.0535	0.0478	31.84
34.69	0.0296	0.0265	-37.23	69.32	0.0590	0.0529	30.78
34.53	0.0304	0.0272	-35.04	74.16	0.0645	0.0582	30.56
34.53	0.0308	0.0271	-35.61	80.16	0.0712	0.0647	31.49
39.70	0.0350	0.0314	-34.23	85.61	0.0774	0.0706	31.48
45.90	0.0415	0.0377	-37.17	90.58	0.0832	0.0763	31.13
45.65	0.0420	0.0383	-36.38	95.69	0.0887	0.0830	28.30
45.62	0.0421	0.0385	-34.24	100.92	0.0955	0.0893	31.57
50.10	0.0461	0.0422	-39.65	103.25	0.0986	0.0925	29.66
53.47	0.0495	0.0460	-42.98	106.11	0.1018	0.0960	29.21
53.29	0.0500	0.0465	-42.98	108.31	0.1045	0.0985	28.43
53.21	0.0501	0.0468	-43.58	111.08	0.1083	0.1022	27.72
50.49	0.0489	0.0459	44.15	113.24	0.1113	0.1050	26.46
46.14	0.0465	0.0437	-43.30	117.83	0.1178	0.1111	22.97
46.13	0.0461	0.0438	-44.01	120.92	0.1231	0.1155	20.51
44.97	0.0471	0.0443	37.51	123.28	0.1284	0.1196	16.15
38.98	0.0434	0.0411	38.03	122.97	0.1300	0.1206	15.10
33.99	0.0396	0.0381	39.36	125.82	0.1356	0.1243	13.13
33.96	0.0394	0.0379	40.96	125.60	0.1360	0.1246	11.43
26.83	0.0343	0.0332	43.88	127.84	0.1396	0.1269	11.01
21.88	0.0302	0.0298	-36.66	130.19	0.1463	0.1303	9.63
21.90	0.0301	0.0294	-34.29	132.53	0.1559	0.1342	7.73
16.69	0.0261	0.0257	14.81	135.33	0.1716	0.1398	6.79
11.74	0.0224	0.0216	23.89	134.42	0.1745	0.1403	6.53
11.77	0.0218	0.0210	19.42	138.35	0.1984	0.1489	5.79
5.05	0.0173	0.0158	27.11	140.16	0.2180	0.1557	4.78
0.02	0.0137	0.0117	35.68	142.63	0.2466	0.1665	3.71
-0.04	0.0133	0.0117	39.96	145.78	0.2751	0.1811	3.12
-0.02	0.0130	0.0116	40.75	142.52	0.2755	0.1778	2.73
-0.02	0.0130	0.0113	40.00	0.22	0.1308	0.0439	7.08
0.02	0.0128	0.0111	39.93				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00117 (CH 1846)

AZ = 228.33 DEGREES V = 26 FT 10 IN.

LINER ROSETTE - MINIMUM STRAIN
ROSETTE R00117 (CH 1847)

AZ = 228.33 DEGREES V = 26 FT 10 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 118 CHANNELS 1849 1860 1861

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0003	22.35	9.89	0.0123	0.0046	-6.81
5.33	0.0022	0.0007	-2.96	19.55	0.0248	0.0093	-4.64
12.31	0.0061	0.0019	-7.20	29.57	0.0372	0.0142	-4.06
16.44	0.0092	0.0026	-5.34	39.42	0.0491	0.0189	-3.87
20.51	0.0164	0.0041	-11.45	49.16	0.0601	0.0233	-3.59
20.46	0.0186	0.0045	-14.28	54.50	0.0663	0.0263	-3.33
20.47	0.0192	0.0048	-14.71	59.57	0.0728	0.0294	-2.64
27.05	0.0331	0.0087	-14.15	64.20	0.0786	0.0325	-1.45
34.69	0.0484	0.0172	-10.37	69.32	0.0856	0.0362	-0.86
34.53	0.0492	0.0182	-9.50	74.16	0.0925	0.0403	0.31
34.53	0.0493	0.0184	-9.32	80.16	0.1001	0.0439	1.42
39.70	0.0562	0.0222	-8.21	85.61	0.1084	0.0478	2.09
45.90	0.0655	0.0286	-6.29	90.58	0.1162	0.0513	2.72
45.65	0.0653	0.0294	-5.82	95.69	0.1246	0.0548	3.28
45.62	0.0653	0.0296	-5.74	100.92	0.1334	0.0576	3.78
50.10	0.0706	0.0326	-5.19	103.25	0.1378	0.0585	4.06
53.47	0.0750	0.0357	-4.78	106.11	0.1426	0.0595	3.96
53.29	0.0751	0.0364	-4.15	108.31	0.1453	0.0607	3.59
53.21	0.0753	0.0366	-4.09	111.08	0.1464	0.0627	3.55
50.49	0.0731	0.0364	-4.05	113.24	0.1465	0.0645	3.46
46.14	0.0686	0.0352	-3.77	117.83	0.1462	0.0681	3.58
46.13	0.0684	0.0350	-3.49	120.92	0.1463	0.0706	3.69
44.97	0.0686	0.0361	-3.46	123.28	0.1469	0.0731	3.78
38.98	0.0622	0.0341	-2.72	122.97	0.1466	0.0739	3.86
33.99	0.0563	0.0324	-1.58	125.82	0.1400	0.0765	3.64
33.96	0.0563	0.0324	-2.49	125.60	0.1464	0.0766	3.76
26.83	0.0477	0.0296	-1.25	127.84	0.1472	0.0784	3.80
21.88	0.0416	0.0275	-0.83	130.19	0.1476	0.0796	4.58
21.90	0.0415	0.0272	-0.84	132.53	0.1483	0.0789	5.41
16.69	0.0351	0.0251	0.47	135.33	0.1491	0.0781	4.07
11.74	0.0288	0.0224	3.16	134.42	0.1485	0.0766	4.44
11.77	0.0283	0.0218	2.70	138.35	0.1518	0.0753	3.70
5.05	0.0203	0.0188	18.62	140.16	0.1577	0.0752	3.41
0.02	0.0165	0.0136	-15.69	142.63	0.1889	0.0740	6.95
-0.04	0.0161	0.0142	-9.96	145.78	0.2474	0.0712	7.47
-0.02	0.0154	0.0139	-6.36	142.52	0.2601	0.0674	4.59
-0.02	0.0151	0.0137	-3.48	0.22	0.0514	-0.0165	9.24
0.02	0.0147	0.0133	-9.37				

LINER ROSETTE - MAXIMUM STRAIN ROSETTE R00118 (CH 1849)

AZ = 269.93 DEGREES V = 20 FT 8.8 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE RC0118 (CH 1860)
 AZ = 269.93 V = 20 FT 8.8 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 119 CHANNELS 1862 1863 1864

STRUCTURAL INTEGRITY TEST					HIGH PRESSURE TEST				
Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees		Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	
-0.05	0.0002	-0.0006	-37.65		9.89	0.0141	0.0060	-0.31	
5.33	0.0017	0.0007	26.17		19.55	0.0288	0.0114	2.04	
12.31	0.0040	0.0022	15.81		29.57	0.0438	0.0168	2.73	
16.44	0.0056	0.0033	12.92		39.42	0.0583	0.0218	3.00	
20.51	0.0240	0.0045	3.85		49.16	0.0723	0.0265	3.03	
20.46	0.0261	0.0053	3.39		54.50	0.0804	0.0296	3.20	
20.47	0.0270	0.0054	3.55		59.57	0.0888	0.0328	3.43	
27.05	0.0433	0.0100	2.57		64.20	0.0977	0.0364	3.72	
34.69	0.0639	0.0167	3.86		69.32	0.1074	0.0402	4.14	
34.53	0.0653	0.0178	4.13		74.16	0.1174	0.0444	4.58	
34.53	0.0655	0.0179	4.30		80.16	0.1295	0.0485	5.38	
39.70	0.0740	0.0221	4.57		85.61	0.1417	0.0532	5.81	
45.90	0.0863	0.0285	2.49		90.58	0.1534	0.0573	6.03	
45.65	0.0867	0.0289	2.68		95.69	0.1672	0.0619	6.37	
45.62	0.0868	0.0290	2.85		100.92	0.1819	0.0663	6.93	
50.10	0.0939	0.0317	3.02		103.25	0.1888	0.0685	7.35	
53.47	0.1001	0.0343	3.36		106.11	0.1966	0.0707	7.75	
53.29	0.1005	0.0348	3.53		108.31	0.2024	0.0722	8.16	
53.21	0.1006	0.0349	3.60		111.08	0.2105	0.0745	8.86	
50.49	0.0981	0.0344	3.68		113.24	0.2166	0.0762	9.41	
46.14	0.0930	0.0330	3.94		117.83	0.2301	0.0797	10.50	
46.13	0.0928	0.0328	3.82		120.92	0.2400	0.0823	11.21	
44.97	0.0930	0.0343	4.05		123.28	0.2500	0.0848	11.85	
38.98	0.0857	0.0323	4.23		122.97	0.2524	0.0856	12.07	
33.99	0.0789	0.0300	4.44		125.82	0.2654	0.0884	12.75	
33.96	0.0785	0.0302	4.37		125.60	0.2691	0.0892	13.13	
26.83	0.0684	0.0267	4.76		127.84	0.2787	0.0906	13.58	
21.88	0.0609	0.0242	5.16		130.19	0.2993	0.0913	14.95	
21.90	0.0607	0.0238	5.44		132.53	0.3356	0.0905	16.57	
16.69	0.0531	0.0213	5.69		135.33	0.4267	0.0840	18.24	
11.74	0.0455	0.0183	6.78		134.42	0.4470	0.0821	18.25	
11.77	0.0448	0.0177	6.98		138.35	0.5730	0.0740	18.37	
5.05	0.0353	0.0138	8.52		140.16	0.6647	0.0722	17.95	
0.02	0.0284	0.0100	10.71		142.63	0.8671	0.0722	16.37	
-0.04	0.0273	0.0102	9.51		145.78	1.0991	0.0930	12.53	
-0.02	0.0272	0.0105	9.75		142.52	1.1333	0.0939	11.71	
-0.02	0.0271	0.0103	10.47		0.22	0.7213	0.0199	8.30	
0.02	0.0268	0.0102	10.60						

LINER ROSETTE - MAXIMUM STRAIN

ROSETTE R00119 (CH 1862)

AZ = 292.52 DEGREES V = 20 FT 1.5 IN.

Pressure (psig)-Channel #2

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00119 (CH 1863)
 AZ = 292.52 V = 20 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 120 CHANNELS 1865 1866 1867

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0003	-0.0006	-20.19	9.89	0.1523	-0.1388	-43.98
5.33	0.0121	-0.0088	-16.93	19.55	0.1593	-0.1362	44.87
12.31	0.0150	-0.0121	-10.54	29.57	0.1660	-0.1303	43.88
16.44	0.0133	-0.0122	-7.47	39.42	0.1712	-0.1227	42.67
20.51	0.0102	-0.0113	-7.54	49.16	0.1786	-0.1171	41.33
20.46	0.0163	-0.0167	-26.85	54.50	0.1815	-0.1128	40.54
20.47	0.0099	-0.0100	-8.07	59.57	0.1837	-0.1096	39.85
27.05	0.0067	-0.0044	-26.87	64.20	0.1843	-0.1062	39.59
34.69	0.0158	-0.0016	30.98	69.32	0.1865	-0.1039	39.49
34.53	0.0165	-0.0012	29.80	74.16	0.1888	-0.1005	39.28
34.53	0.0167	-0.0012	29.13	80.16	0.1916	-0.0963	38.68
39.70	0.0229	-0.0002	22.51	85.61	0.1992	-0.0926	38.22
45.90	0.0367	-0.0012	20.25	90.58	0.2080	-0.0882	37.57
45.65	0.0373	-0.0011	19.65	95.69	0.2211	-0.0822	36.37
45.62	0.0373	-0.0012	19.71	100.92	0.2430	-0.0763	34.70
50.10	0.0443	-0.0014	16.75	103.25	0.2574	-0.0717	33.40
53.47	0.0502	-0.0009	13.56	106.11	0.2770	-0.0664	31.84
53.29	0.0507	-0.0008	12.99	108.31	0.2948	-0.0636	30.69
53.21	0.0508	-0.0006	12.77	111.08	0.3280	-0.0597	28.85
50.49	0.0483	-0.0003	12.78	113.24	0.3599	-0.0574	27.43
46.14	0.0434	-0.0004	13.75	117.83	0.4683	-0.0558	24.09
46.13	0.0434	-0.0006	14.06	120.92	0.5832	-0.0543	21.75
44.97	0.0436	0.0018	10.21	123.28	0.7252	-0.0402	18.71
38.98	0.0372	0.0010	13.47	122.97	0.7679	-0.0353	17.79
33.99	0.0321	-0.0001	16.67	125.82	0.9839	-0.0180	14.13
33.96	0.0318	-0.0002	16.81	125.60	1.0293	-0.0135	13.31
26.83	0.0252	-0.0024	22.29	127.84	1.1046	-0.0072	12.10
21.88	0.0215	-0.0047	26.94	130.19	1.2051	0.0007	10.55
21.90	0.0217	-0.0048	27.40	132.53	1.3218	0.0059	9.39
16.69	0.0191	-0.0072	32.70	135.33	1.4507	0.0085	8.67
11.74	0.0166	-0.0090	39.23	134.42	1.4726	0.0089	8.46
11.77	0.0168	-0.0099	39.97	138.35	1.6734	0.0100	7.72
5.05	0.0154	-0.0155	40.78	140.16	1.8361	0.0094	7.14
0.02	0.0157	-0.0225	30.58	142.63	2.0838	0.0066	6.51
-0.04	0.0141	-0.0192	29.79	145.78	2.3455	0.0063	5.97
-0.02	0.0134	-0.0179	29.17	142.52	2.3922	0.0032	5.82
-0.02	0.0137	-0.0186	29.22	0.22	2.0358	-0.0526	-8.22
0.02	0.0153	-0.0207	31.55				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00120 (CH 1865)

AZ = 307.95 DEGREES V = 20 FT 1.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00120 (CH 1866)

AZ = 307.95 DEGREES V = 20 FT 1.5 IN.

Pressure (psig)-Channel #2

IMAGE EVALUATION
TEST TARGET (MT-3)

Photographic Sciences Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

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REDUCTION

REINFORCED CONCRETE TEST DATA

ROSETTE 121 CHANNELS 329 340 341

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0007	-0.0001	-2.89	9.89	0.0217	0.0153	-16.60
5.33	0.0054	0.0018	-21.63	19.55	0.0480	0.0297	-19.60
12.31	0.0553	0.0033	28.61	29.57	0.0710	0.0432	-20.05
16.44	0.0607	0.0080	31.24	39.42	0.0936	0.0561	-20.65
20.51	0.0695	0.0132	34.05	49.16	0.1148	0.0689	-21.33
20.46	0.0706	0.0152	34.36	54.50	0.1350	0.0754	-22.11
20.47	0.0703	0.0159	34.49	59.57	0.2246	0.0751	-21.90
27.05	0.0884	0.0284	38.82	64.20	0.3884	0.0630	-22.05
34.69	0.1090	0.0485	38.78	69.32	0.5512	0.0488	-22.15
34.53	0.1104	0.0507	38.97	74.16	0.7162	0.0689	-22.20
34.53	0.1111	0.0508	38.51	80.16	0.9137	0.1284	-22.20
39.70	0.1205	0.0600	38.82	85.61	1.1081	0.1515	-22.22
45.90	0.1380	0.0742	41.24	90.58	1.2845	0.1600	-22.21
45.65	0.1392	0.0758	41.14	95.69	1.4621	0.1748	-22.22
45.62	0.1398	0.0749	41.47	100.92	1.5887	0.2352	-22.23
50.10	0.1505	0.0840	42.82	103.25	1.6226	0.2685	-22.21
53.47	0.1648	0.0928	-44.46	106.11	1.6591	0.3160	-22.19
53.29	0.1689	0.0940	-43.79	108.31	1.6852	0.3457	-22.18
53.21	0.1703	0.0947	-43.08	111.08	1.7283	0.3795	-22.18
50.49	0.1674	0.0924	-43.39	113.24	1.7647	0.3996	-22.17
46.14	0.1593	0.0875	-44.48	117.83	1.8774	0.4406	-22.17
46.13	0.1592	0.0871	44.83	120.92	1.9598	0.4607	-22.17
44.97	0.2043	0.0848	34.94	123.28	2.0277	0.4751	-22.19
38.98	0.1910	0.0776	-35.43	122.97	2.0422	0.4778	-22.17
33.99	0.1392	0.0738	41.92	125.82	2.1440	0.4960	-22.17
33.96	0.1380	0.0730	41.72	125.60	2.1648	0.5000	-22.18
26.83	0.1244	0.0628	39.21	127.84	2.2189	0.5067	-22.16
21.88	0.1139	0.0548	37.32	130.19	2.3240	0.5171	-22.19
21.90	0.1130	0.0552	37.17	132.53	2.4692	0.5431	-22.19
16.69	0.1016	0.0465	34.50	135.33	2.6689	0.5907	-22.18
11.74	0.0906	0.0375	31.54	134.42	2.7106	0.5962	-22.19
11.77	0.0893	0.0361	31.21	138.35	3.0629	0.6527	-22.19
5.05	0.0742	0.0241	25.99	140.16	3.3320	0.7390	-22.17
0.02	0.0646	0.0139	23.22	142.63	3.7099	0.8992	-22.17
-0.04	0.0629	0.0129	22.98	145.78	4.1038	1.0584	-22.16
-0.02	0.0628	0.0123	21.69	142.52	4.2460	1.1083	-22.17
-0.02	0.0624	0.0119	22.93	0.22	3.8779	0.8087	-22.20
0.02	0.0623	0.0112	21.97				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00121 (CH 0329)
 AZ = 308.88 DEGREES V = 20 FT 1.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00121 (CH 0340)
 AZ = 308.88 DEGREES V = 20 FT 1.5 IN.

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00122 (CH 1868)

AZ = 309.44 DEGREES V = 20 FT 1.5 IN.

LINER ROSETTE - MINIMUM STRAIN

ROSETTE R00122 (CH 1869)

AZ = 309.44 DEGREES V = 20 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 123 CHANNELS 342 343 344

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	-0.0008	-0.0015	-26.85	9.89	0.0056	0.0038	41.78
5.33	0.0026	0.0002	10.74	19.55	0.0109	0.0082	41.37
12.31	0.0042	0.0030	2.28	29.57	0.0167	0.0123	41.09
16.44	0.0055	0.0038	27.73	39.42	0.0219	0.0162	42.42
20.51	0.0077	0.0065	28.88	49.16	0.0272	0.0211	43.63
20.46	0.0084	0.0065	32.94	54.50	0.0307	0.0229	-43.83
20.47	0.0089	0.0071	42.44	59.57	0.0339	0.0251	44.51
27.05	0.0135	0.0109	-43.91	64.20	0.0369	0.0277	42.21
34.69	0.0192	0.0173	36.24	69.32	0.0404	0.0299	41.26
34.53	0.0209	0.0164	42.10	74.16	0.0437	0.0318	40.09
34.53	0.0210	0.0172	41.42	80.16	0.0478	0.0341	38.80
39.70	0.0249	0.0189	37.58	85.61	0.0510	0.0375	36.34
45.90	0.0299	0.0224	36.44	90.58	0.0543	0.0390	34.41
45.65	0.0307	0.0220	35.79	95.69	0.0568	0.0422	31.25
45.62	0.0308	0.0217	38.44	100.92	0.0594	0.0445	28.44
50.10	0.0335	0.0245	33.11	103.25	0.0603	0.0442	28.04
53.47	0.0358	0.0265	33.39	106.11	0.0616	0.0452	26.79
53.29	0.0366	0.0268	33.17	108.31	0.0625	0.0454	26.41
53.21	0.0370	0.0275	29.13	111.08	0.0630	0.0472	25.04
50.49	0.0359	0.0254	31.53	113.24	0.0639	0.0476	23.46
46.14	0.0350	0.0241	28.03	117.83	0.0647	0.0477	24.40
46.13	0.0348	0.0244	30.31	120.92	0.0658	0.0481	25.10
44.97	0.0340	0.0220	43.95	123.28	0.0665	0.0483	22.94
38.98	0.0310	0.0200	43.99	122.97	0.0663	0.0488	23.19
33.99	0.0282	0.0169	39.34	125.82	0.0665	0.0491	21.94
33.96	0.0281	0.0165	42.66	125.60	0.0663	0.0487	21.62
26.83	0.0251	0.0134	41.17	127.84	0.0658	0.0503	20.41
21.88	0.0224	0.0104	41.42	130.19	0.0658	0.0486	21.48
21.90	0.0217	0.0111	39.46	132.53	0.0647	0.0491	20.26
16.69	0.0191	0.0091	42.39	135.33	0.0653	0.0479	21.92
11.74	0.0160	0.0059	42.23	134.42	0.0639	0.0471	22.92
11.77	0.0160	0.0060	40.99	138.35	0.0644	0.0477	23.08
5.05	0.0128	0.0023	42.85	140.16	0.0632	0.0468	21.83
0.02	0.0095	0.0003	43.60	142.63	0.0617	0.0476	25.45
-0.04	0.0122	-0.0213	-28.69	145.78	0.0609	0.0478	28.95
-0.02	0.0138	-0.0308	-26.88	142.52	0.0605	0.0440	33.71
-0.02	0.0154	-0.0373	-26.42	0.22	-0.0129	-0.0162	-32.35
0.02	0.0157	-0.0413	-26.21				

LINER ROSETTE - MAXIMUM STRAIN
ROSETTE R00123 (CH 0342)
AZ = 314.97 DEGREES V = 20 FT 6.5 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00123 (CH 0343)

AZ = 314.97 DEGREES V = 20 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 124 CHANNELS 1881 1882 1883

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure	Maximum	Minimum	Angle	Pressure	Maximum	Minimum	Angle
psig	%Strain	%Strain	Degrees	psig	%Strain	%Strain	Degrees
-0.05	0.0000	-0.0002	9.23	7.89	0.0098	-0.0273	24.03
5.33	0.0010	0.0001	-20.48	19.55	0.0128	-0.0283	25.28
12.31	0.0028	0.0012	-10.03	29.57	0.0153	-0.0179	28.00
16.44	0.0045	0.0021	-7.79	39.42	0.0167	0.0010	39.71
20.51	0.0072	0.0037	-1.27	49.16	0.0223	0.0109	-21.94
20.46	0.0080	0.0039	-2.77	54.50	0.0271	0.0132	-12.19
20.47	0.0084	0.0036	-5.32	59.57	0.0341	0.0148	-2.81
27.05	0.0143	0.0071	0.65	64.20	0.0386	0.0157	-0.77
34.69	0.0223	0.0107	-0.96	69.32	0.0426	0.0166	-0.23
34.53	0.0230	0.0128	3.81	74.16	0.0470	0.0175	0.97
34.53	0.0231	0.0128	3.21	80.16	0.0516	0.0186	1.39
39.70	0.0269	0.0147	3.75	85.61	0.0558	0.0193	2.23
45.90	0.0323	0.0175	2.42	90.58	0.0596	0.0199	3.00
45.65	0.0327	0.0184	4.12	95.69	0.0640	0.0204	4.25
45.62	0.0328	0.0185	4.17	100.92	0.0679	0.0209	5.44
50.10	0.0358	0.0199	3.91	103.25	0.0696	0.0213	6.14
53.47	0.0387	0.0212	4.03	106.11	0.0713	0.0217	6.62
53.29	0.0390	0.0210	3.01	108.31	0.0724	0.0220	6.89
53.21	0.0390	0.0209	2.77	111.08	0.0740	0.0222	7.67
50.49	0.0380	0.0205	3.03	113.24	0.0750	0.0226	8.29
46.14	0.0357	0.0198	3.11	117.83	0.0769	0.0229	9.21
46.13	0.0356	0.0197	2.91	120.92	0.0779	0.0234	10.01
44.97	0.0357	0.0195	3.00	123.28	0.0784	0.0238	10.43
38.98	0.0300	0.0187	-2.05	122.97	0.0783	0.0237	10.77
33.99	0.0274	0.0176	-1.53	125.82	0.0785	0.0241	11.32
33.96	0.0273	0.0176	-1.76	125.60	0.0781	0.0235	11.50
26.83	0.0232	0.0157	-2.47	127.84	0.0784	0.0241	11.83
21.88	0.0200	0.0145	-4.77	130.19	0.0778	0.0247	12.33
21.90	0.0199	0.0149	-3.22	132.53	0.0772	0.0253	13.64
16.69	0.0167	0.0135	-6.96	135.33	0.0772	0.0258	14.57
11.74	0.0138	0.0118	-16.26	134.42	0.0770	0.0251	14.51
11.77	0.0133	0.0116	-21.97	138.35	0.0788	0.0251	14.52
5.05	0.0105	0.0089	31.21	140.16	0.0802	0.0239	13.97
0.02	0.0090	0.0060	19.63	142.63	0.0821	0.0221	12.88
-0.04	0.0087	0.0045	22.70	145.78	0.0855	0.0202	11.75
-0.02	0.0090	0.0050	21.92	142.52	0.0816	0.0176	11.76
-0.02	0.0089	0.0051	22.92	0.22	-0.0020	-0.0169	28.05
0.02	0.0088	0.0051	22.72				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00124 (CH 1881)
 AZ = 314.97 DEGREES V = 21 FT 2 IN.

LINER ROSETTE - MINIMUM STRAIN
 ROSETTE R00124 (CH 1882)
 AZ = 314.97 DEGREES V = 21 FT 2 IN.

REINFORCED CONCRETE TEST DATA

ROSETTE 125 CHANNELS 1884 1885 1886

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees	Pressure psig	Maximum %Strain	Minimum %Strain	Angle Degrees
-0.05	0.0001	-0.0001	22.51	9.89	0.0083	0.0063	-7.50
5.33	0.0016	0.0004	25.57	19.55	0.0164	0.0125	-6.29
12.31	0.0039	0.0020	23.59	29.57	0.0241	0.0184	-2.34
16.44	0.0059	0.0032	24.63	39.42	0.0317	0.0243	3.34
20.51	0.0087	0.0055	24.89	49.16	0.0389	0.0296	6.04
20.46	0.0095	0.0063	25.95	54.50	0.0445	0.0319	9.19
20.47	0.0100	0.0067	24.31	59.57	0.0516	0.0319	11.46
27.05	0.0167	0.0144	26.36	64.20	0.0572	0.03	7.76
34.69	0.0288	0.0258	-19.39	69.32	0.0647	0.0322	2.47
34.53	0.0308	0.0274	-10.15	74.16	0.0712	0.0333	0.47
34.53	0.0313	0.0276	-9.27	80.16	0.0792	0.0338	-1.11
39.70	0.0372	0.0320	-8.93	85.61	0.0864	0.0350	-2.47
45.90	0.0485	0.0385	-6.32	90.58	0.0932	0.0360	-4.00
45.65	0.0501	0.0388	-6.94	95.69	0.1004	0.0367	-5.91
45.62	0.0504	0.0389	-7.21	100.92	0.1080	0.0371	-7.27
50.10	0.0555	0.0423	-6.56	103.25	0.1118	0.0367	-8.18
53.47	0.0603	0.0453	-5.50	106.11	0.1155	0.0366	-8.69
53.29	0.0612	0.0455	-3.70	108.31	0.1184	0.0365	-9.24
53.21	0.0614	0.0454	-3.41	111.08	0.1225	0.0362	-9.86
50.49	0.0607	0.0442	-2.24	113.24	0.1257	0.0354	-10.69
46.14	0.0588	0.0421	-2.03	117.83	0.1321	0.0338	-11.66
46.13	0.0585	0.0418	-2.04	120.92	0.1367	0.0318	-12.52
44.97	0.0583	0.0419	-4.85	123.28	0.1408	0.0311	-12.46
38.98	0.0554	0.0389	-4.32	122.97	0.1419	0.0308	-11.98
33.99	0.0524	0.0360	-4.00	125.82	0.1520	0.0279	-15.19
33.96	0.0523	0.0360	-3.65	125.60	0.1546	0.0250	-16.57
26.83	0.0476	0.0318	-2.74	127.84	0.1621	0.0200	-18.83
21.88	0.0442	0.0286	-1.55	130.19	0.1713	0.0119	-21.37
21.90	0.0438	0.0286	-1.59	132.53	0.1819	0.0046	-22.86
16.69	0.0400	0.0253	-0.49	135.33	0.1972	-0.0034	-23.85
11.74	0.0360	0.0219	0.93	134.42	0.1984	-0.0052	-24.12
11.77	0.0353	0.0213	0.34	138.35	0.2071	-0.0045	-24.28
5.05	0.0300	0.0170	2.44	140.16	0.2093	-0.0039	-24.85
0.02	0.0255	0.0137	2.88	142.63	0.2079	-0.0003	-25.31
-0.04	0.0238	0.0126	-0.64	145.78	0.2062	0.0030	-25.83
-0.02	0.0243	0.0132	1.51	142.52	0.1976	0.0007	-25.88
-0.02	0.0241	0.0132	1.20	0.22	0.0729	-0.0964	-38.96
0.02	0.0237	0.0133	1.86				

LINER ROSETTE - MAXIMUM STRAIN
 ROSETTE R00125 (CH 1884)
 AZ = 315.35 DEGREES V = 21 FT 3.6 IN.

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SANDIA NATIONAL LABS

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
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23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

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REDUCTION

Strain Gages, T Rosettes

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0 CHANNEL 2440

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data			
This gage was added after SIT			

9.89	0.0005
19.55	0.0003
29.57	-0.0005
39.42	-0.0011
49.16	-0.0017
54.50	-0.0020
59.57	-0.0024
64.20	-0.0024
69.32	-0.0027
74.16	-0.0022
80.16	-0.0035
85.61	-0.0034
90.58	-0.0035
95.69	-0.0038
100.92	-0.0037
103.25	-0.0041
106.11	-0.0043
108.31	-0.0039
111.08	-0.0040
113.24	-0.0042
117.83	-0.0043
120.92	-0.0039
123.28	-0.0042
122.97	-0.0041
125.82	-0.0045
125.60	-0.0045
127.84	-0.0048
130.19	-0.0061
132.53	-0.0091
135.33	-0.0141
134.42	-0.0143
138.35	-0.0184
140.16	-0.0176
142.63	-0.0142
145.78	-0.0116
142.52	-0.0116
0.22	-0.0174

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2441	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data This gage was added after SIT		9.89	0.0043
		19.55	0.0077
		29.57	0.0106
		39.42	0.0128
		49.16	0.0150
		54.50	0.0158
		59.57	0.0170
		64.20	0.0178
		69.32	0.0197
		74.16	0.0204
		80.16	0.0245
		85.61	0.0266
		90.58	0.0282
		95.69	0.0297
		100.92	0.0310
		103.25	0.0314
		106.11	0.0318
		108.31	0.0320
		111.08	0.0324
		113.24	0.0325
		117.83	0.0323
		120.92	0.0319
		123.28	0.0315
		122.97	0.0311
		125.82	0.0310
		125.60	0.0307
		127.84	0.0305
		130.19	0.0302
		132.53	0.0287
		135.33	0.0249
		134.42	0.0231
		138.35	0.0206
		140.16	0.0187
		142.63	0.0161
		145.78	0.0120
		142.52	0.0093
		0.22	-0.0052

 

[illegible]

 

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2442	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data This gage was added after SIT		9.89	-0.0013
		19.55	-0.0024
		29.57	-0.0041
		39.42	-0.0054
		49.16	-0.0066
		54.50	-0.0074
		59.57	-0.0082
		64.20	-0.0094
		69.32	-0.0097
		74.16	-0.0105
		80.16	-0.0094
		85.61	-0.0096
		90.58	-0.0095
		95.69	-0.0093
		100.92	-0.0098
		103.25	-0.0098
		106.11	-0.0100
		108.31	-0.0099
		111.08	-0.0098
		113.24	-0.0097
		117.83	-0.0097
		120.92	-0.0095
		123.28	-0.0093
		122.97	-0.0096
		125.82	-0.0094
		125.60	-0.0096
		127.84	-0.0099
		130.19	-0.0099
		132.53	-0.0098
		135.33	-0.0104
		134.42	-0.0105
		138.35	-0.0108
		140.16	-0.0097
		142.63	-0.0074
		145.78	-0.0045
		142.52	-0.0033
		0.22	-0.0048

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2443	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0020
This gage was added after SIT		19.55	0.0039
		29.57	0.0064
		39.42	0.0089
		49.16	0.0111
		54.50	0.0120
		59.57	0.0135
		64.20	0.0140
		69.32	0.0149
		74.16	0.0150
		80.16	0.0175
		85.61	0.0179
		90.58	0.0181
		95.69	0.0177
		100.92	0.0174
		103.25	0.0173
		106.11	0.0173
		108.31	0.0170
		111.08	0.0171
		113.24	0.0162
		117.83	0.0146
		120.92	0.0133
		123.28	0.0114
		122.97	0.0108
		125.82	0.0085
		125.60	0.0073
		127.84	0.0065
		130.19	0.0027
		132.53	-0.0035
		135.33	-0.0109
		134.42	-0.0131
		138.35	-0.0166
		140.16	-0.0173
		142.63	-0.0179
		145.78	-0.0213
		142.52	-0.0208
		0.22	-0.0175

11" POSITIVE ON EXTERIOR SURFACE OF CONCRETE NEAR FL-A
 GAGE TP0002 (CH 2442 AND 2443)
 AZ = 90.80 DEGREES . 22 FT 2.5 IN.

Pressure (sigfig-channel #2)

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2444	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	-0.0010
This gage was added after SIT		19.55	-0.0018
		29.57	-0.0029
		39.42	-0.0039
		49.16	-0.0048
		54.50	-0.0052
		59.57	-0.0055
		64.20	-0.0064
		69.32	-0.0065
		74.16	-0.0069
		80.16	-0.0069
		85.61	-0.0069
		90.58	-0.0071
		95.69	-0.0075
		100.92	-0.0078
		103.25	-0.0081
		106.11	-0.0086
		108.31	-0.0090
		111.08	-0.0095
		113.24	-0.0101
		117.83	-0.0116
		120.92	-0.0127
		123.28	-0.0143
		122.97	-0.0146
		125.82	-0.0165
		125.60	-0.0169
		127.84	-0.0183
		130.19	-0.0215
		132.53	-0.0261
		135.33	-0.0307
		134.42	-0.0309
		138.35	-0.0340
		140.16	-0.0343
		142.63	-0.0339
		145.78	-0.0348
		142.52	-0.0339
		0.22	-0.0267

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0

CHANNEL 2445

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0047
This gage was added after SIT		19.55	0.0090
		29.57	0.0130
		39.42	0.0167
		49.16	0.0199
		54.50	0.0215
		59.57	0.0231
		64.20	0.0242
		69.32	0.0260
		74.16	0.0267
		80.16	0.0291
		85.61	0.0312
		90.58	0.0335
		95.69	0.0358
		100.92	0.0386
		103.25	0.0401
		106.11	0.0415
		108.31	0.0426
		111.08	0.0445
		113.24	0.0455
		117.83	0.0474
		120.92	0.0484
		123.28	0.0480
		122.97	0.0472
		125.82	0.0489
		125.60	0.0474
		127.84	0.0489
		130.19	0.0501
		132.53	0.0518
		135.33	0.0508
		134.42	0.0439
		138.35	0.0419
		140.16	0.0386
		142.63	0.0344
		145.78	0.0344
		142.52	0.0272
		0.22	0.0078

THE POSSIBLE ORIGIN OF THE SURFACE OF CONCENTRATION NEAR PL-A

FOR THE 1950-51 YEAR 2444 AND 2445

42 - 41.35 DEGREES N 22.5 E 2.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0

CHANNEL 2446

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0034
This gage was added after SIT		19.55	0.0075
		29.57	0.0124
		39.42	0.0177
		49.16	0.0219
		54.50	0.0242
		59.57	0.0266
		64.20	0.0277
		69.32	0.0284
		74.16	0.0279
		80.16	0.0302
		85.61	0.0306
		90.58	0.0317
		95.69	0.0324
		100.92	0.0335
		103.25	0.0340
		106.11	0.0348
		108.31	0.0354
		111.06	0.0364
		113.24	0.0373
		117.83	0.0389
		120.92	0.0396
		123.26	0.0393
		122.97	0.0386
		125.62	0.0378
		125.60	0.0369
		127.84	0.0361
		130.19	0.0333
		132.53	0.0303
		135.33	0.0295
		134.42	0.0292
		138.35	0.0238
		140.16	0.0194
		142.63	0.0211
		145.78	0.0292
		142.52	0.0277
		0.27	-0.0227

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0

CHANNEL 2447

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0019
This gage was added after SIT		19.55	0.0041
		29.57	0.0061
		39.42	0.0078
		49.16	0.0089
		54.50	0.0091
		59.57	0.0096
		64.20	0.0100
		69.32	0.0100
		74.16	0.0108
		80.16	0.0145
		85.61	0.0189
		90.58	0.0212
		95.69	0.0257
		100.92	0.0312
		103.25	0.0325
		106.11	0.0355
		108.31	0.0393
		111.09	0.0442
		113.24	0.0483
		117.83	0.0594
		120.92	0.0649
		123.28	0.0670
		122.97	0.0669
		125.82	0.0688
		125.60	0.0682
		127.84	0.0688
		130.19	0.0668
		132.53	0.0623
		135.33	0.0546
		134.42	0.0527
		138.35	0.0375
		140.16	0.0247
		142.63	0.0102
		145.78	0.0030
		142.52	0.0012
		0.22	-0.0132

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IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
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23 WEST MAIN STREET
WEBSTER, N.Y. 14580
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REDUCTION

Strain Gages, Weldable

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 1 CHANNEL 400

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	-0.0041
5.33	0.0009	19.55	-0.0034
12.31	0.0010	29.57	-0.0027
16.44	0.0009	39.42	-0.0024
20.51	0.0014	49.16	-0.0021
20.46	0.0013	54.50	-0.0020
20.47	0.0011	59.57	-0.0022
27.05	0.0020	64.20	0.0002
34.69	0.0024	69.32	0.0034
34.53	0.0019	74.16	0.0106
34.53	0.0020	80.16	0.0228
39.70	0.0024	85.61	0.0315
45.90	0.0028	90.58	0.0411
45.65	0.0027	95.69	0.0517
45.62	0.0025	100.92	0.0644
50.10	0.0034	103.25	0.0733
53.47	0.0033	106.11	0.0787
53.29	0.0032	108.31	0.0821
53.21	0.0037	111.08	0.0846
50.49	0.0034	113.24	0.0843
46.14	0.0030	117.83	0.0830
46.13	0.0031	120.92	0.0826
44.97	0.0035	123.28	0.0832
38.98	0.0036	122.97	0.0835
33.99	0.0033	125.82	0.0834
33.96	0.0031	125.60	0.0839
26.83	0.0026	127.84	0.0843
21.88	0.0024	130.19	0.0848
21.90	0.0022	132.53	0.0848
16.69	0.0017	135.33	0.0852
11.74	0.0018	134.42	0.0854
11.77	0.0017	138.35	0.0856
5.05	0.0007	140.16	0.0857
0.02	0.0004	142.63	0.0858
-0.04	0.0006	145.78	0.0858
-0.02	0.0005	142.52	0.0852
-0.02	0.0008	0.22	0.0015
0.02	0.0004		

STRAIN ON REINFORCING BARS LOWER BASEMAT REGION
 GAGE WR0001 (CH 0400)
 AZ = 89.43 DEGREES R = 3 FT 10 IN. V = -1 FT 6.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 2 CHANNEL 401

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	-0.0040
5.33	-0.0002	19.55	-0.0037
12.31	0.1044	29.57	-0.0034
16.44	0.1044	39.42	-0.0023
20.51	0.1046	49.16	-0.0018
20.46	0.1047	54.50	-0.0019
20.47	0.1048	59.57	-0.0021
27.05	0.1054	64.20	-0.0002
34.69	0.1053	69.32	0.0036
34.53	0.1056	74.16	0.0104
34.53	0.1060	80.16	0.0228
39.70	0.1059	85.61	0.0317
45.90	0.1062	90.58	0.0406
45.65	0.1064	95.69	0.0519
45.62	0.1060	100.92	0.0646
50.10	0.1063	103.25	0.0729
53.47	0.1064	106.11	0.0783
53.29	0.1061	108.31	0.0818
53.21	0.1068	111.08	0.0848
50.49	0.1066	113.24	0.0841
46.14	0.1065	117.83	0.0826
46.13	0.1066	120.92	0.0828
44.97	0.1070	123.28	0.0833
38.98	0.1069	122.97	0.0837
33.99	0.1066	125.82	0.0835
33.96	0.1065	125.60	0.0840
26.83	0.1060	127.84	0.0840
21.88	0.1056	130.19	0.0847
21.90	0.1056	132.53	0.0848
16.69	0.1055	135.33	0.0850
11.74	0.1052	134.42	0.0854
11.77	0.1048	138.35	0.0858
5.05	0.1042	140.16	0.0857
0.02	0.1039	142.63	0.0853
-0.04	0.1037	145.78	0.0859
-0.02	0.1043	142.52	0.0853
-0.02	0.1043	0.22	0.0008
0.02	0.1039		

STRAIN ON REINFORCING BARS LOWER BASEMAT REGION

GAGE WR0002 (CH 0401)

AZ = 93.23 DEGREES R = 6 FT 9 IN. V = -1 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 3 CHANNEL 402

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	-0.0035
5.33	-0.0013	19.55	-0.0027
12.31	-0.0002	29.57	-0.0026
16.44	-0.0004	39.42	-0.0028
20.51	-0.0004	49.16	-0.0024
20.46	-0.0005	54.50	-0.0020
20.47	0.0000	59.57	-0.0020
27.05	0.0002	64.20	-0.0029
34.69	0.0002	69.32	-0.0039
34.53	0.0001	74.16	-0.0053
34.53	0.0001	80.16	-0.0118
39.70	0.0002	85.61	-0.0029
45.90	0.0002	90.58	0.0103
45.65	0.0002	95.69	0.0279
45.62	0.0006	100.92	0.0482
50.10	0.0002	103.25	0.0608
53.47	0.0000	106.11	0.0715
53.29	0.0006	108.31	0.0785
53.21	0.0004	111.08	0.0873
50.49	0.0004	113.24	0.0937
46.14	0.0001	117.83	0.1038
46.13	0.0002	120.92	0.1104
44.97	0.0004	123.28	0.1160
38.98	0.0001	122.97	0.1170
33.99	-0.0001	125.82	0.1211
33.96	-0.0003	125.60	0.1231
26.83	-0.0007	127.84	0.1266
21.88	-0.0011	130.19	0.1339
21.90	-0.0010	132.53	0.1406
16.69	-0.0009	135.33	0.1508
11.74	-0.0015	134.42	0.1517
11.77	-0.0016	138.35	0.1637
5.05	-0.0013	140.16	0.1717
0.02	-0.0021	142.63	0.1804
-0.04	-0.0023	145.78	0.1903
-0.02	-0.0017	142.52	0.1915
-0.02	-0.0014	0.22	0.0134
0.02	-0.0018		

STRAIN ON REINFORCING BARS LOWER BASEMAT REGION

GAGE WR0003 (CH 0402)

AZ = 92.83 DEGREES K = 8 FT 0.0 IN. V = -1 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 4 CHANNEL 403

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0014	9.89	-0.0038
5.33	-0.0010	19.55	-0.0041
12.31	-0.0010	29.57	-0.0044
16.44	-0.0012	39.42	-0.0042
20.51	-0.0020	49.16	-0.0045
20.46	-0.0019	54.50	-0.0049
20.47	-0.0014	59.57	-0.0049
27.05	-0.0021	64.20	-0.0061
34.69	-0.0028	69.32	-0.0064
34.53	-0.0025	74.16	-0.0079
34.53	-0.0024	80.16	0.0044
39.70	-0.0026	85.61	0.0080
45.90	-0.0030	90.58	0.0107
45.65	-0.0035	95.69	0.0138
45.62	-0.0030	100.92	0.0184
50.10	-0.0032	103.25	0.0202
53.47	-0.0035	106.11	0.0229
53.29	-0.0040	108.31	0.0246
53.21	-0.0035	111.08	0.0287
50.49	-0.0030	113.24	0.0309
46.14	-0.0032	117.83	0.0355
46.13	-0.0029	120.92	0.0393
44.97	-0.0024	123.28	0.0426
38.98	-0.0022	122.97	0.0436
33.99	-0.0020	125.82	0.0467
33.96	-0.0025	125.60	0.0479
26.83	-0.0021	127.84	0.0497
21.88	-0.0025	130.19	0.0536
21.90	-0.0027	132.53	0.0572
16.69	-0.0023	135.33	0.0634
11.74	-0.0024	134.42	0.0654
11.77	-0.0030	138.35	0.0691
5.05	-0.0024	140.16	0.0724
0.02	-0.0021	142.63	0.0830
-0.04	-0.0014	145.78	0.0914
-0.02	-0.0014	142.52	0.0928
-0.02	-0.0016	0.22	0.0397
0.02	-0.0011		

STRAIN ON REINFORCING BARS LOWER BASEMAT REGION

GAGE WR0004 (CH 0403)

AZ = 92.28 DEGREES R = 10 FT 0.0 IN. V = -1 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 5 CHANNEL 404

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	-0.0046
5.33	-0.0004	19.55	-0.0049
12.31	-0.0007	29.57	-0.0054
16.44	-0.0014	39.42	-0.0058
20.51	-0.0012	49.16	-0.0063
20.46	-0.0019	54.50	-0.0066
20.47	-0.0021	59.57	-0.0069
27.05	-0.0030	64.20	-0.0078
34.69	-0.0035	69.32	-0.0090
34.53	-0.0046	74.16	-0.0103
34.53	-0.0038	80.16	-0.0130
39.70	-0.0045	85.61	-0.0130
45.90	-0.0048	90.58	-0.0123
45.65	-0.0048	95.69	-0.0124
45.62	-0.0045	100.92	-0.0124
50.10	-0.0043	103.25	-0.0122
53.47	-0.0044	106.11	-0.0120
53.29	-0.0039	108.31	-0.0123
53.21	-0.0041	111.08	-0.0126
50.49	-0.0038	113.24	-0.0123
46.14	-0.0038	117.83	-0.0123
46.13	-0.0032	120.92	-0.0122
44.97	-0.0022	123.28	-0.0117
38.98	-0.0020	122.97	-0.0116
33.99	-0.0026	125.82	-0.0112
33.96	-0.0031	125.60	-0.0108
26.83	-0.0028	127.84	-0.0104
21.88	-0.0034	130.19	-0.0094
21.90	-0.0035	132.53	-0.0083
16.69	-0.0035	135.33	-0.0056
11.74	-0.0034	134.42	-0.0044
11.77	-0.0033	138.35	-0.0025
5.05	-0.0030	140.16	0.0003
0.02	-0.0026	142.63	0.0071
-0.04	-0.0007	145.78	0.0118
-0.02	-0.0009	142.52	0.0147
-0.02	-0.0012	0.22	-0.0014
0.02	-0.0011		

STRAIN ON REINFORCING BARS LOWER BASEMAT REGION

GAGE WR0005 (CH 0404)

AZ = 91.75 DEGREES R = 11 FT 0.0 IN. V = -1 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 6 CHANNEL 405

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	-0.0045
5.33	0.0005	19.55	-0.0053
12.31	-0.1481	29.57	-0.0057
16.44	-0.1481	39.42	-0.0058
20.51	-0.1484	49.16	-0.0063
20.46	-0.1488	54.50	-0.0071
20.47	-0.1494	59.57	-0.0068
27.05	-0.1503	64.20	-0.0081
34.69	-0.1506	69.32	-0.0092
34.53	-0.1507	74.16	-0.0107
34.53	-0.1509	80.16	-0.0133
39.70	-0.1519	85.61	-0.0130
45.90	-0.1518	90.58	-0.0129
45.65	-0.1516	95.69	-0.0127
45.62	-0.1518	100.92	-0.0124
50.10	-0.1517	103.25	-0.0125
53.47	-0.1514	106.11	-0.0127
53.29	-0.1515	108.31	-0.0125
53.21	-0.1513	111.08	-0.0125
50.49	-0.1507	113.24	-0.0126
46.14	-0.1506	117.83	-0.0127
46.13	-0.1506	120.92	-0.0125
44.97	-0.1495	123.28	-0.0118
38.98	-0.1495	122.97	-0.0116
33.99	-0.1497	125.82	-0.0115
33.96	-0.1501	125.60	-0.0109
26.83	-0.1501	127.84	-0.0108
21.88	-0.1506	130.19	-0.0098
21.90	-0.1504	132.53	-0.0085
16.69	-0.1506	135.33	-0.0059
11.74	-0.1505	134.42	-0.0046
11.77	-0.1509	138.35	-0.0027
5.05	-0.1503	140.16	-0.0002
0.02	-0.1499	142.63	0.0066
-0.04	-0.1484	145.78	0.0120
-0.02	-0.1479	142.52	0.0143
-0.02	-0.1483	0.22	-0.0021
0.02	-0.1484		

RADIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0006 (CH 0405)

AZ = 89.43 DEGREES R = 3 FT 10 IN. V = 1 FT 6.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 7 CHANNEL 405

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	-0.0043
5.33	-0.0002	19.55	-0.0049
12.31	-0.0007	29.57	-0.0059
16.44	-0.0005	39.42	-0.0058
20.51	-0.0007	49.16	-0.0061
20.46	-0.0011	54.50	-0.0063
20.47	-0.0011	59.57	-0.0061
27.05	-0.0017	64.20	-0.0067
34.69	-0.0018	69.32	-0.0062
34.53	-0.0018	74.16	-0.0058
34.53	-0.0022	80.16	-0.0072
39.70	-0.0022	85.61	-0.0074
45.90	-0.0024	90.58	-0.0075
45.65	-0.0024	95.69	-0.0084
45.62	-0.0023	100.92	-0.0092
50.10	-0.0025	103.25	-0.0090
53.47	-0.0030	106.11	-0.0090
53.29	-0.0027	108.31	-0.0087
53.21	-0.0032	111.08	-0.0087
50.49	-0.0028	113.24	-0.0084
46.14	-0.0028	117.83	-0.0077
46.13	-0.0031	120.92	-0.0077
44.97	-0.0028	123.28	-0.0073
38.98	-0.0027	122.97	-0.0070
33.99	-0.0028	125.82	-0.0072
33.96	-0.0025	125.60	-0.0070
26.83	-0.0021	127.84	-0.0068
21.98	-0.0022	130.19	-0.0065
21.90	-0.0018	132.53	-0.0065
16.69	-0.0015	135.33	-0.0067
11.74	-0.0015	134.42	-0.0070
11.77	-0.0014	138.35	-0.0068
5.05	-0.0014	140.16	-0.0067
0.02	-0.0009	142.63	-0.0065
-0.04	-0.0009	145.78	-0.0064
-0.02	-0.0010	142.52	-0.0059
-0.02	-0.0012	0.22	-0.0031
0.02	-0.0007		

RADIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0007 (CH 0406)

AZ = 91.63 DEGREES R = 6 FT 9 IN. V = 1 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 8 CHANNEL 407

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	-0.0040
5.33	-0.0005	19.55	-0.0041
12.31	-0.0005	29.57	-0.0045
16.44	-0.0005	39.42	-0.0043
20.51	-0.0009	49.16	-0.0050
20.46	-0.0010	54.50	-0.0049
20.47	-0.0008	59.57	-0.0049
27.05	-0.0009	64.20	-0.0044
34.69	-0.0011	69.32	-0.0050
34.53	-0.0012	74.16	-0.0043
34.53	-0.0011	80.16	-0.0054
39.70	-0.0013	85.61	-0.0065
45.90	-0.0015	90.58	-0.0074
45.65	-0.0016	95.69	-0.0075
45.62	-0.0014	100.92	-0.0070
50.10	-0.0017	103.25	-0.0076
53.47	-0.0016	106.11	-0.0075
53.29	-0.0015	108.31	-0.0073
53.21	-0.0020	111.08	-0.0074
50.49	-0.0016	113.24	-0.0072
46.14	-0.0015	117.83	-0.0073
46.13	-0.0018	120.92	-0.0076
44.97	-0.0018	123.28	-0.0074
38.98	-0.0014	122.97	-0.0070
33.99	-0.0016	125.82	-0.0072
33.96	-0.0016	125.60	-0.0074
26.83	-0.0014	127.84	-0.0075
21.88	-0.0016	130.19	-0.0075
21.90	-0.0011	132.53	-0.0083
16.69	-0.0012	135.33	-0.0082
11.74	-0.0011	134.42	-0.0084
11.77	-0.0011	138.35	-0.0086
5.05	-0.0009	140.16	-0.0091
0.02	-0.0009	142.63	-0.0084
-0.04	-0.0012	145.78	-0.0065
-0.02	-0.0007	142.52	-0.0068
-0.02	-0.0012	0.22	-0.0062
0.02	-0.0004		

RADIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0008 (CH 0407)

AZ = 91.92 DEGREES R = 8 FT 0.0 IN. V = 1 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 9 CHANNEL 408

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	-0.0039
5.33	0.0001	19.55	-0.0037
12.31	-0.0001	29.57	-0.0034
16.44	-0.0002	39.42	-0.0035
20.51	-0.0003	49.16	-0.0031
20.46	-0.0003	54.50	-0.0029
20.47	-0.0003	59.57	-0.0031
27.05	-0.0009	64.20	-0.0028
34.69	-0.0002	69.32	-0.0024
34.53	0.0000	74.16	-0.0016
34.53	-0.0007	80.16	-0.0016
39.70	-0.0003	85.61	-0.0015
45.90	-0.0001	90.58	0.0010
45.65	-0.0002	95.69	0.0058
45.62	-0.0004	100.92	0.0090
50.10	-0.0001	103.25	0.0108
53.47	-0.0007	106.11	0.0122
53.29	-0.0003	108.31	0.0130
53.21	-0.0003	111.08	0.0149
50.49	-0.0004	113.24	0.0158
46.14	-0.0007	117.83	0.0189
46.13	-0.0011	120.92	0.0210
44.97	-0.0006	123.28	0.0231
38.98	-0.0004	122.97	0.0236
33.99	-0.0006	125.82	0.0249
33.96	-0.0009	125.60	0.0258
26.83	-0.0010	127.84	0.0265
21.88	-0.0013	130.19	0.0281
21.90	-0.0010	132.53	0.0292
16.69	-0.0014	135.33	0.0314
11.74	-0.0018	134.42	0.0322
11.77	-0.0013	138.35	0.0346
5.05	-0.0019	140.16	0.0377
0.02	-0.0017	142.63	0.0414
-0.04	-0.0019	145.78	0.0453
-0.02	-0.0015	142.52	0.0470
-0.02	-0.0014	0.22	0.0117
0.02	-0.0010		

RADIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0009 (CH 0408)

AZ = 92 DEGREES R = 10 FT 0.0 IN. V = 1 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 10 CHANNEL 409

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0017	9.89	-0.0038
5.33	0.0013	19.55	-0.0036
12.31	0.0008	29.57	-0.0035
16.44	0.0003	39.42	-0.0034
20.51	0.2444	49.16	-0.0031
20.46	0.2442	54.50	-0.0037
20.47	0.2442	59.57	-0.0031
27.05	0.2444	64.20	-0.0028
34.69	0.2443	69.32	-0.0025
34.53	0.2441	74.16	-0.0017
34.53	0.2437	80.16	-0.0020
39.70	0.2442	85.61	-0.0013
45.90	0.2441	90.58	0.0006
45.65	0.2444	95.69	0.0053
45.62	0.2440	100.92	0.0094
50.10	0.2441	103.25	0.0107
53.47	0.2439	106.11	0.0118
53.29	0.2440	108.31	0.0131
53.21	0.2439	111.08	0.0148
50.49	0.2437	113.24	0.0162
46.14	0.2438	117.83	0.0186
46.13	0.2433	120.92	0.0209
44.97	-0.0023	123.28	0.0229
38.98	-0.0022	122.97	0.0236
33.99	0.2437	125.82	0.0248
33.96	0.2435	125.60	0.0258
26.83	0.2435	127.84	0.0265
21.88	0.2428	130.19	0.0279
21.90	0.2432	132.53	0.0291
16.69	0.2430	135.33	0.0312
11.74	0.2427	134.42	0.0320
11.77	0.2431	138.35	0.0347
5.05	0.2424	140.16	0.0372
0.02	0.2428	142.63	0.0412
-0.04	0.2426	145.78	0.0454
-0.02	0.2430	142.52	0.0470
-0.02	0.2434	0.22	0.0110
0.02	0.2434		

CIRCUMFERENTIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0010 (CH 0409)

AZ = 88.70 DEGREES R = 10 FT 9 IN. V = 1 FT 6.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 11 CHANNEL 420

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0032
5.33	0.0002	19.55	-0.0022
12.31	0.0003	29.57	-0.0008
16.44	0.0005	39.42	0.0004
20.51	0.0006	49.16	0.0023
20.46	0.0005	54.50	0.0030
20.47	0.0002	59.57	0.0037
27.05	0.0011	64.20	0.0061
34.69	0.0020	69.32	0.0079
34.53	0.0024	74.16	0.0102
34.53	0.0023	80.16	0.0139
39.70	0.0028	85.61	0.0187
45.90	0.0048	90.58	0.0243
45.65	0.0050	95.69	0.0303
45.62	0.0051	100.92	0.0351
50.10	0.0060	103.25	0.0380
53.47	0.0073	106.11	0.0400
53.29	0.0078	108.31	0.0419
53.21	0.0077	111.08	0.0454
50.49	0.0077	113.24	0.0473
46.14	0.0071	117.83	0.0526
46.13	0.0072	120.92	0.0566
44.97	0.0064	123.28	0.0597
38.98	0.0052	122.97	0.0602
33.99	0.0045	125.82	0.0635
33.96	0.0044	125.60	0.0647
26.83	0.0030	127.84	0.0661
21.88	0.0020	130.19	0.0698
21.90	0.0020	132.53	0.0733
16.69	0.0015	135.33	0.0772
11.74	0.0011	134.42	0.0779
11.77	0.0014	138.35	0.0823
5.05	0.0006	140.16	0.0866
0.02	0.0007	142.63	0.0918
-0.04	0.0014	145.78	0.0959
-0.02	0.0004	142.52	0.0954
-0.02	0.0009	0.22	0.0232
0.02	0.0000		

RADIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0011 (CH 0420)

AZ = 91.17 DEGREES R = 11 FT 0.0 IN. V = 1 FT 7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 12 CHANNEL 421

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	-0.0030
5.33	-0.0006	19.55	-0.0017
12.31	-0.1128	29.57	-0.0004
16.44	-0.1126	39.42	0.0010
20.51	-0.1123	49.16	0.0027
20.46	-0.1125	54.50	0.0033
20.47	-0.1126	59.57	0.0043
27.05	-0.1120	64.20	0.0064
34.69	-0.1107	69.32	0.0081
34.53	-0.1107	74.16	0.0106
34.53	-0.1106	80.16	0.0145
39.70	-0.1100	85.61	0.0189
45.90	-0.1083	90.58	0.0243
45.65	-0.1083	95.69	0.0303
45.62	-0.1077	100.92	0.0354
50.10	-0.1071	103.25	0.0378
53.47	-0.1055	106.11	0.0404
53.29	-0.1057	108.31	0.0423
53.21	-0.1054	111.08	0.0454
50.49	-0.1052	113.24	0.0477
46.14	-0.1056	117.83	0.0531
46.13	-0.1056	120.92	0.0568
44.97	-0.1068	123.28	0.0601
38.98	-0.1076	122.97	0.0609
33.99	-0.1089	125.82	0.0634
33.96	-0.1085	125.60	0.0645
26.83	-0.1098	127.84	0.0666
21.88	-0.1105	130.19	0.0701
21.90	-0.1111	132.53	0.0734
16.69	-0.1117	135.33	0.0778
11.74	-0.1119	134.42	0.0784
11.77	-0.1117	138.35	0.0828
5.05	-0.1119	140.16	0.0865
0.02	-0.1126	142.63	0.0919
-0.04	-0.1115	145.78	0.0963
-0.02	-0.1120	142.52	0.0956
-0.02	-0.1118	0.22	0.0233
0.02	-0.1127		

CIRCUMFERENTIAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0012 (CH 0421)

AZ = 88.77 DEGREES R = 11 FT 5.5 IN. V = 1 FT 6.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 13 CHANNEL 422

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0038
5.33	0.0030	19.55	0.0120
12.31	0.0061	29.57	0.0198
16.44	0.0085	39.42	0.0278
20.51	0.0122	49.16	0.0354
20.46	0.0135	54.50	0.0399
20.47	0.0144	59.57	0.0448
27.05	0.0199	64.20	0.0534
34.69	0.0275	69.32	0.0616
34.53	0.0288	74.16	0.0690
34.53	0.0291	80.16	0.0846
39.70	0.0337	85.61	0.0957
45.90	0.0419	90.58	0.1063
45.65	0.0431	95.69	0.1182
45.62	0.0438	100.92	0.1285
50.10	0.0486	103.25	0.1336
53.47	0.0529	106.11	0.1387
53.29	0.0534	108.31	0.1422
53.21	0.0538	111.08	0.1485
50.49	0.0529	113.24	0.1518
46.14	0.0502	117.83	0.1582
46.13	0.0502	120.92	0.1627
44.97	0.0493	123.28	0.1670
38.98	0.0457	122.97	0.1667
33.99	0.0426	125.82	0.1702
33.96	0.0433	125.60	0.1706
26.83	0.0384	127.84	0.1737
21.88	0.0347	130.19	0.1747
21.90	0.0350	132.53	0.1723
16.69	0.0312	135.33	0.1697
11.74	0.0279	134.42	0.1672
11.77	0.0276	138.35	0.1678
5.05	0.0231	140.16	0.1681
0.02	0.0186	142.63	0.1719
-0.04	0.0167	145.78	0.1824
-0.02	0.0163	142.52	0.1824
-0.02	0.0165	0.22	0.0380
0.02	0.0170		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
 GAGE WR0013 (CH 0422)
 AZ = 91.92 DEGREES R = 11 FT 1 IN. V = 1 FT 8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 14 CHANNEL 423

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	0.0080
5.33	0.0035	19.55	0.0201
12.31	0.0097	29.57	0.0323
16.44	0.0135	39.42	0.0436
20.51	0.0187	49.16	0.0548
20.46	0.0200	54.50	0.0605
20.47	0.0206	59.57	0.0670
27.05	0.0296	64.20	0.0755
34.69	0.0397	69.32	0.0828
34.53	0.0408	74.16	0.0897
34.53	0.0412	80.16	0.1006
39.70	0.0469	85.61	0.1062
45.90	0.0552	90.58	0.1100
45.65	0.0551	95.69	0.1154
45.62	0.0553	100.92	0.1204
50.10	0.0607	103.25	0.1219
53.47	0.0651	106.11	0.1247
53.29	0.0650	108.31	0.1272
53.21	0.0647	111.08	0.1302
50.49	0.0626	113.24	0.1331
46.14	0.0582	117.83	0.1388
46.13	0.0576	120.92	0.1447
44.97	0.0551	123.28	0.1506
38.98	0.0492	122.97	0.1510
33.99	0.0446	125.82	0.1556
33.96	0.0455	125.60	0.1558
26.83	0.0384	127.84	0.1607
21.88	0.0337	130.19	0.1713
21.90	0.0336	132.53	0.1792
16.69	0.0281	135.33	0.1901
11.74	0.0233	134.42	0.1914
11.77	0.0225	138.35	0.2044
5.05	0.0159	140.16	0.2049
0.02	0.0103	142.63	0.2084
-0.04	0.0042	145.78	0.2162
-0.02	0.0037	142.52	0.2102
-0.02	0.0046	0.22	-0.0053
0.02	0.0052		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WRO014 (CH 0423)

AZ = 91.92 DEGREES R = 11 FT 4.25 IN. V = 1 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 15 CHANNEL 424

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	-0.0012
5.33	0.0013	19.55	0.0010
12.31	0.0035	29.57	-0.0032
16.44	0.0056	39.42	-0.0010
20.51	0.0254	49.16	0.0063
20.46	-0.6762	54.50	0.0102
20.47	-0.5946	59.57	0.0160
27.05	-0.5545	64.20	0.0229
34.69	-0.5246	69.32	0.0289
34.53	-0.4904	74.16	0.0354
34.53	-0.5085	80.16	0.0518
39.70	-0.5787	85.61	0.0636
45.90	-0.8406	90.58	0.0744
45.65	-1.4109	95.69	0.0865
45.62	-1.4548	100.92	0.0999
50.10	-1.5099	103.25	0.1064
53.47	-1.4503	106.11	0.1130
53.29	-1.4690	108.31	0.1130
53.21	-1.4411	111.08	0.1247
50.49	-1.4452	113.24	0.1289
46.14	-1.4498	117.83	0.1377
46.13	-1.4278	120.92	0.1432
44.97	-1.6008	123.28	0.1477
38.98	-1.6645	122.97	0.1482
33.99	-1.6822	125.82	0.1506
33.96	-1.6211	125.60	0.1504
26.83	-1.6309	127.84	0.1518
21.88	-1.6053	130.19	0.1514
21.90	-1.5952	132.53	0.1505
16.69	-1.5343	135.33	0.1535
11.74	-1.5061	134.42	0.1523
11.77	-1.4605	138.35	0.1557
5.05	-1.3920	140.16	0.1494
0.02	-1.3790	142.63	0.1327
-0.04	-1.4173	145.78	0.1112
-0.02	-1.0859	142.52	0.0922
-0.02	-1.2828	0.22	-0.0697
0.02	-1.1955		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE WR0015 (CH 0424)

AZ = 211.38 DEGREES R = 11 FT 1 IN. V = 1 FT 6.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 16 CHANNEL 425

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0011
5.33	0.0021	19.55	0.0008
12.31	0.0052	29.57	-0.0029
16.44	-1.3022	39.42	-0.0008
20.51	-1.2826	49.16	0.0064
20.46	-1.9656	54.50	0.0106
20.47	-1.8873	59.57	0.0160
27.05	-1.8478	64.20	0.0234
34.69	-1.8190	69.32	0.0289
34.53	-1.7848	74.16	0.0353
34.53	-1.8034	80.16	0.0520
39.70	-1.8723	85.61	0.0639
45.90	-2.1280	90.58	0.0744
45.65	-2.6815	95.69	0.0864
45.62	-2.7256	100.92	0.0999
50.10	-2.7763	103.25	0.1060
53.47	-2.7217	106.11	0.1129
53.29	-2.7401	108.31	0.1181
53.21	-2.7143	111.08	0.1247
50.49	-2.7165	113.24	0.1293
46.14	-2.7224	117.83	0.1378
46.13	-2.6972	120.92	0.1432
44.97	-2.8673	123.28	0.1479
38.98	-2.9294	122.97	0.1481
33.99	-2.9468	125.82	0.1507
33.96	-2.8864	125.60	0.1501
26.83	-2.8939	127.84	0.1522
21.88	-2.8725	130.19	0.1512
21.90	-2.8626	132.53	0.1508
16.69	-2.8010	135.33	0.1539
11.74	-2.7745	134.42	0.1524
11.77	-2.7309	138.35	0.1559
5.05	-2.6636	140.16	0.1495
0.02	-2.6513	142.63	0.1326
-0.04	-2.6883	145.78	0.1112
-0.02	-2.3649	142.52	0.0922
-0.02	-2.5582	0.22	-0.0694
0.02	-2.4731		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0016 (CH 0425)

AZ = 211.38 DEGREES R = 11 FT 5 IN. V = 1 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 17 CHANNEL 426

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0035
5.33	0.0027	19.55	0.0111
12.31	0.0056	29.57	0.0188
16.44	0.0074	39.42	0.0273
20.51	0.0100	49.16	0.0353
20.46	0.0106	54.50	0.0403
20.47	0.0107	59.57	0.0452
27.05	0.0162	64.20	0.0512
34.69	0.0243	69.32	0.0586
34.53	0.0254	74.16	0.0687
34.53	0.0256	80.16	0.0835
39.70	0.0313	85.61	0.0965
45.90	0.0422	90.58	0.1055
45.65	0.0428	95.69	0.1168
45.62	0.0433	100.92	0.1291
50.10	0.0481	103.25	0.1352
53.47	0.0491	106.11	0.1419
53.29	0.0494	108.31	0.1470
53.21	0.0495	111.08	0.1541
50.49	0.0477	113.24	0.1580
46.14	0.0444	117.83	0.1643
46.13	0.0440	120.92	0.1656
44.97	0.0434	123.28	0.1669
38.98	0.0396	122.97	0.1663
33.99	0.0359	125.82	0.1661
33.96	0.0359	125.60	0.1641
26.83	0.0301	127.84	0.1602
21.88	0.0266	130.19	0.1515
21.90	0.0262	132.53	0.1416
16.69	0.0227	135.33	0.1390
11.74	0.0185	134.42	0.1369
11.77	0.0183	138.35	0.1350
5.05	0.0134	140.16	0.1349
0.02	0.0100	142.63	0.1355
-0.04	0.0068	145.78	0.1399
-0.02	0.0075	142.52	0.1380
-0.02	0.0075	0.22	0.0123
0.02	0.0087		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE WR0017 (CH 0426)

AZ = 332.25 DEGREES R = 11 FT 1.5 IN. V = 1 FT 7.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 18 CHANNEL 427

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0024
5.33	0.0027	19.55	0.0082
12.31	0.0060	29.57	0.0155
16.44	0.0077	39.42	0.0227
20.51	0.0108	49.16	0.0302
20.46	0.0114	54.50	0.0338
20.47	0.0118	59.57	0.0382
27.05	0.0171	64.20	0.0436
34.69	0.0237	69.32	0.0490
34.53	0.0243	74.16	0.0562
34.53	0.0243	80.16	0.0666
39.70	0.0279	85.61	0.0754
45.90	0.0344	90.58	0.0814
45.65	0.0350	95.69	0.0892
45.62	0.0351	100.92	0.0989
50.10	0.0387	103.25	0.1038
53.47	0.0404	105.11	0.1094
53.29	0.0410	108.31	0.1136
53.21	0.0411	111.08	0.1201
50.49	0.0399	113.24	0.1258
46.14	0.0375	117.83	0.1390
46.13	0.0373	120.92	0.1504
44.97	0.0382	123.28	0.1601
38.98	0.0346	122.97	0.1626
33.99	0.0316	125.82	0.1734
33.96	0.0314	125.60	0.1779
26.83	0.0260	127.84	0.1898
21.88	0.0227	130.19	0.2065
21.90	0.0222	132.53	0.2213
16.69	0.0188	135.33	0.2305
11.74	0.0153	134.42	0.2302
11.77	0.0150	138.35	0.2414
5.05	0.0104	140.16	0.2497
0.02	0.0075	142.63	0.2621
-0.04	0.0065	145.78	0.2770
-0.02	0.0069	142.52	0.2775
-0.02	0.0066	0.22	0.1284
0.02	0.0068		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0018 (CH 0427)

AZ = 332.25 DEGREES R = 11 FT 4.8 IN. V = 1 FT 10 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 19 CHANNEL 428

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	-0.0059
5.33	-0.0028	19.55	-0.0087
12.31	-0.0048	29.57	-0.0110
16.44	-0.0058	39.42	-0.0122
20.51	-0.0069	49.16	-0.0129
20.46	-0.0076	54.50	-0.0131
20.47	-0.0078	59.57	-0.0135
27.05	-0.0092	64.20	-0.0128
34.69	-0.0105	69.32	-0.0120
34.53	-0.0112	74.16	-0.0122
34.53	-0.0109	80.16	-0.0119
39.70	-0.0120	85.61	-0.0095
45.90	-0.0127	90.58	-0.0083
45.65	-0.0125	95.69	-0.0066
45.62	-0.0123	100.92	-0.0058
50.10	-0.0121	103.25	-0.0049
53.47	-0.0123	106.11	-0.0045
53.29	-0.0116	108.31	-0.0043
53.21	-0.0112	111.08	-0.0038
50.49	-0.0105	113.24	-0.0032
46.14	-0.0099	117.83	-0.0032
46.13	-0.0095	120.92	-0.0026
44.97	-0.0067	123.28	-0.0016
38.98	-0.0060	122.97	-0.0016
33.99	-0.0057	125.82	-0.0010
33.96	-0.0062	125.60	-0.0008
26.83	-0.0051	127.84	-0.0005
21.88	-0.0042	130.19	-0.0002
21.90	-0.0053	132.53	-0.0009
16.69	-0.0042	135.33	-0.0009
11.74	-0.0036	134.42	0.0004
11.77	-0.0043	138.35	0.0034
5.05	-0.0038	140.16	0.0082
0.02	-0.0036	142.63	0.0083
-0.04	0.0004	145.78	0.0040
-0.02	0.0001	142.52	0.0040
-0.02	0.0002	0.22	0.0028
0.02	-0.0005		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE WR0019 (CH 0428)
AZ = 89 DEGREES R = 11 FT 1.5 IN. V = 1 FT 11.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 20 CHANNEL 429

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	-0.0059
5.33	-0.0002	19.55	-0.0085
12.31	0.0008	29.57	-0.0107
16.44	0.0007	39.42	-0.0122
20.51	-0.2784	49.16	-0.0128
20.46	-0.2795	54.50	-0.0133
20.47	-0.2797	59.57	-0.0133
27.05	-0.2809	64.20	-0.0129
34.69	-0.2821	69.32	-0.0117
34.53	-0.2825	74.16	-0.0119
34.53	-0.2830	80.16	-0.0116
39.70	-0.2835	85.61	-0.0093
45.90	-0.2846	90.58	-0.0083
45.65	-0.2841	95.69	-0.0066
45.62	-0.2842	100.92	-0.0055
50.10	-0.2844	103.25	-0.0051
53.47	-0.2837	106.11	-0.0045
53.29	-0.2835	108.31	-0.0040
53.21	-0.2830	111.08	-0.0033
50.49	-0.2825	113.24	-0.0028
46.14	-0.2818	117.83	-0.0026
46.13	-0.2813	120.92	-0.0020
44.97	0.0128	123.28	-0.0017
38.98	0.0117	122.97	-0.0015
33.99	-0.2774	125.82	-0.0009
33.96	-0.2780	125.60	-0.0008
26.83	-0.2767	127.84	-0.0003
21.88	-0.2761	130.19	-0.0002
21.90	-0.2773	132.53	-0.0008
16.69	-0.2761	135.33	-0.0010
11.74	-0.2756	134.42	0.0003
11.77	-0.2761	138.35	0.0036
5.05	-0.2756	140.16	0.0080
0.02	-0.2751	142.63	0.0079
-0.04	-0.2717	145.78	0.0041
-0.02	-0.2718	142.52	0.0042
-0.02	-0.2716	0.22	0.0033
0.02	-0.2728		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0020 (CH 0429)
 AZ = 89 DEGREES R = 11 FT 1.5 IN. V = 2 FT 8.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 21 CHANNEL 440

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0071
5.33	0.0029	19.55	0.0191
12.31	0.0073	29.57	0.0305
16.44	0.0109	39.42	0.0412
20.51	0.0151	49.16	0.0513
20.46	0.0157	54.50	0.0572
20.47	0.0168	59.57	0.0626
27.05	0.0244	64.20	0.0696
34.69	0.0356	69.32	0.0769
34.53	0.0365	74.16	0.0846
34.53	0.0361	80.16	0.0910
39.70	0.0420	85.61	0.0988
45.90	0.0505	90.58	0.1070
45.65	0.0505	95.69	0.1161
45.62	0.0507	100.92	0.1257
50.10	0.0556	103.25	0.1309
53.47	0.0608	106.11	0.1364
53.29	0.0614	108.31	0.1405
53.21	0.0616	111.08	0.1477
50.49	0.0596	113.24	0.1533
46.14	0.0565	117.83	0.1671
46.13	0.0567	120.92	0.1778
44.97	0.0566	123.28	0.1870
38.98	0.0511	122.97	0.1884
33.99	0.0470	125.82	0.1995
33.96	0.0471	125.60	0.2019
26.83	0.0403	127.84	0.2090
21.88	0.0356	130.19	0.2272
21.90	0.0351	132.53	0.2534
16.69	0.0295	135.33	0.2745
11.74	0.0232	134.42	0.2809
11.77	0.0221	138.35	0.3979
5.05	0.0151	140.16	0.4811
0.02	0.0088	142.63	0.5556
-0.04	0.0077	145.78	0.5830
-0.02	0.0079	142.52	0.5859
-0.02	0.0083	0.22	0.3787
0.02	0.0077		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0021 (CH 0440)
 AZ = 89.23 DEGREES R = 11 FT 1.5 IN. V = 4 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 22 CHANNEL 441

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0077
5.33	0.0054	19.55	0.0193
12.31	0.0130	29.57	0.0309
16.44	0.0663	39.42	0.0418
20.51	0.0707	49.16	0.0517
20.46	0.0716	54.50	0.0577
20.47	0.0723	59.57	0.0639
27.05	0.0795	64.20	0.0706
34.69	0.0912	69.32	0.0779
34.53	0.0920	74.16	0.0861
34.53	0.0919	80.16	0.0918
39.70	0.0976	85.61	0.0999
45.90	0.1060	90.58	0.1076
45.65	0.1061	95.69	0.1173
45.62	0.1060	100.92	0.1276
50.10	0.1117	103.25	0.1321
53.47	0.1165	106.11	0.1380
53.29	0.1168	108.31	0.1427
53.21	0.1169	111.08	0.1499
50.49	0.1156	113.24	0.1553
46.14	0.1122	117.83	0.1695
46.13	0.1123	120.92	0.1800
44.97	0.1123	123.28	0.1888
38.98	0.1070	122.97	0.1904
33.99	0.1026	125.82	0.2014
33.96	0.1030	125.60	0.2040
26.83	0.0959	127.84	0.2115
21.88	0.0912	130.19	0.2300
21.90	0.0911	132.53	0.2561
16.69	0.0852	135.33	0.2778
11.74	0.0790	134.42	0.2844
11.77	0.0778	138.35	0.4023
5.05	0.0707	140.16	0.4860
0.02	0.0647	142.63	0.5614
-0.04	0.0633	145.78	0.5888
-0.02	0.0633	142.52	0.5923
-0.02	0.0640	0.22	0.3826
0.02	0.0634		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0022 (CH 0441)
 AZ = 90 DEGREES R = 11 FT 1.3 IN. V = 7 FT 2 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 23 CHANNEL 442

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0088
5.33	0.0037	19.55	0.0227
12.31	0.0092	29.57	0.0362
16.44	0.0127	39.42	0.0493
20.51	0.0183	49.16	0.0621
20.46	0.0195	54.50	0.0695
20.47	0.0201	59.57	0.0773
27.05	0.0310	64.20	0.0866
34.69	0.0446	69.32	0.0968
34.53	0.0466	74.16	0.1086
34.53	0.0460	80.16	0.1246
39.70	0.0543	85.61	0.1408
45.90	0.0654	90.58	0.1588
45.65	0.0662	95.69	0.1796
45.62	0.0670	100.92	0.2004
50.10	0.0728	103.25	0.2115
53.47	0.0800	106.11	0.2238
53.29	0.0805	108.31	0.2289
53.21	0.0809	111.08	0.2412
50.49	0.0788	113.24	0.2553
46.14	0.0745	117.83	0.2999
46.13	0.0746	120.92	0.3389
44.97	0.0742	123.28	0.3859
38.98	0.0674	122.97	0.3956
33.99	0.0622	125.82	0.4199
33.96	0.0621	125.60	0.4252
26.93	0.0533	127.84	0.4371
21.88	0.0472	130.19	0.4804
21.90	0.0474	132.53	0.5469
16.69	0.0402	135.33	0.6585
11.74	0.0331	134.42	0.6856
11.77	0.0317	138.35	0.8101
5.05	0.0230	140.16	0.9179
0.02	0.0160	142.63	1.0768
-0.04	0.0140	145.78	1.2099
-0.02	0.0144	142.52	1.2612
-0.02	0.0151	0.22	0.8738
0.02	0.0149		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0023 (CH 0442)
 AZ = 90 DEGREES R = 11 FT 1.3 IN. V = 9 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 24 CHANNEL 443

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0087
5.33	0.0037	19.55	0.0221
12.31	0.0081	29.57	0.0361
16.44	0.0106	39.42	0.0493
20.51	0.0164	49.16	0.0624
20.46	0.0175	54.50	0.0700
20.47	0.0181	59.57	0.0793
27.05	0.0301	64.20	0.0895
34.69	0.0458	69.32	0.1015
34.53	0.0483	74.16	0.1136
34.53	0.0490	80.16	0.1293
39.70	0.0565	85.61	0.1450
45.90	0.0689	90.58	0.1618
45.65	0.0704	95.69	0.1815
45.62	0.0703	100.92	0.2026
50.10	0.0778	103.25	0.2136
53.47	0.0841	106.11	0.2255
53.29	0.0850	108.31	0.2350
53.21	0.0854	111.08	0.2497
50.49	0.0838	113.24	0.2619
46.14	0.0794	117.83	0.2897
46.13	0.0798	120.92	0.3126
44.97	0.0803	123.28	0.3347
38.98	0.0744	122.97	0.3422
33.99	0.0691	125.82	0.3710
33.96	0.0688	125.60	0.3804
26.83	0.0602	127.84	0.3976
21.88	0.0541	130.19	0.4401
21.90	0.0541	132.53	0.4934
16.69	0.0479	135.33	0.5717
11.74	0.0408	134.42	0.5954
11.77	0.0396	138.35	0.7009
5.05	0.0307	140.16	0.7945
0.02	0.0242	142.63	0.9316
-0.04	0.0198	145.78	1.0629
-0.02	0.0203	142.52	1.1198
-0.02	0.0206	0.22	0.7476
0.02	0.0213		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A

GAGE WR0024 (CH 0443)

AZ = 89.5 DEGREES R = 11 FT 1.3 IN. V = 10 FT 9.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 25 CHANNEL 444

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0042
5.33	0.0033	19.55	0.0135
12.31	0.0076	29.57	0.0233
15.44	0.0105	39.42	0.0324
20.51	0.0153	49.16	0.0415
20.46	0.0166	54.50	0.0470
20.47	0.0169	59.57	0.0530
27.05	0.0241	64.20	0.0604
34.69	0.0321	69.32	0.0682
34.53	0.0332	74.16	0.0775
34.53	0.0333	80.16	0.0887
39.70	0.0388	85.61	0.0989
45.90	0.0458	90.58	0.1081
45.65	0.0459	95.69	0.1190
45.62	0.0460	100.92	0.1304
50.10	0.0503	103.25	0.1360
53.47	0.0546	106.11	0.1419
53.29	0.0543	108.31	0.1468
53.21	0.0552	111.08	0.1540
50.49	0.0528	113.24	0.1594
46.14	0.0497	117.83	0.1728
46.13	0.0498	120.92	0.1825
44.97	0.0503	123.28	0.1916
38.98	0.0457	122.97	0.1933
33.99	0.0416	125.82	0.2026
33.96	0.0414	125.60	0.2051
26.83	0.0355	127.84	0.2106
21.88	0.0310	130.19	0.2212
21.90	0.0311	132.53	0.2331
16.69	0.0266	135.33	0.2484
11.74	0.0215	134.42	0.2521
11.77	0.0206	138.35	0.2728
5.05	0.0144	140.16	0.2896
0.02	0.0095	142.63	0.3187
-0.04	0.0068	145.78	0.3495
-0.02	0.0069	142.52	0.3664
-0.02	0.0068	0.22	0.1642
0.02	0.0079		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0025 (CH 0444)
 AZ = 89.5 DEGREES R = 11 FT 1.3 IN. V = 11 FT 6.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 26 CHANNEL 445

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0042
5.33	0.0026	19.55	0.0132
12.31	0.0078	29.57	0.0232
16.44	0.2914	39.42	0.0322
20.51	0.2960	49.16	0.0414
20.46	0.2973	54.50	0.0464
20.47	0.2977	59.57	0.0533
27.05	0.3047	64.20	0.0602
34.69	0.3128	69.32	0.0683
34.53	0.3140	74.16	0.0775
34.53	0.3142	80.16	0.0886
39.70	0.3198	85.61	0.0983
45.90	0.3266	90.58	0.1080
45.65	0.3270	95.69	0.1191
45.62	0.3269	100.92	0.1302
50.10	0.3314	103.25	0.1359
53.47	0.3353	106.11	0.1418
53.29	0.3360	108.31	0.1468
53.21	0.3359	111.08	0.1538
50.49	0.3340	113.24	0.1596
46.14	0.3306	117.83	0.1726
46.13	0.3303	120.92	0.1827
44.97	0.3312	123.28	0.1912
38.98	0.3268	122.97	0.1931
33.99	0.3220	125.82	0.2021
33.96	0.3224	125.60	0.2049
26.83	0.3164	127.84	0.2107
21.88	0.3118	130.19	0.2212
21.90	0.3120	132.53	0.2331
16.69	0.3072	135.33	0.2482
11.74	0.3025	134.42	0.2522
11.77	0.3012	138.35	0.2726
5.05	0.2950	140.16	0.2894
0.02	0.2904	142.63	0.3185
-0.04	0.2867	145.78	0.3491
-0.02	0.2877	142.52	0.3665
-0.02	0.2873	0.22	0.1641
0.02	0.2883

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 27 CHANNEL 446

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0119
5.33	0.0049	19.55	0.0287
12.31	0.0124	29.57	0.0457
16.44	0.0176	39.42	0.0613
20.51	0.0255	49.16	0.0762
20.46	0.0269	54.50	0.0848
20.47	0.0266	59.57	0.0928
27.05	0.0406	64.20	0.1023
34.69	0.0552	69.32	0.1119
34.53	0.0567	74.16	0.1228
34.53	0.0570	80.16	0.1348
39.70	0.0651	85.61	0.1481
45.90	0.0765	90.58	0.1606
45.65	0.0759	95.69	0.1764
45.62	0.0759	100.92	0.1943
50.10	0.0827	103.25	0.2035
53.47	0.0879	106.11	0.2140
53.29	0.0884	108.31	0.2224
53.21	0.0882	111.08	0.2377
50.49	0.0855	113.24	0.2492
46.14	0.0796	117.83	0.2779
46.13	0.0791	120.92	0.2959
44.97	0.0788	123.28	0.3317
38.98	0.0707	122.97	0.3343
33.99	0.0629	125.82	0.3627
33.96	0.0629	125.60	0.3756
26.83	0.0515	127.84	0.4045
21.88	0.0445	130.19	0.4559
21.90	0.0447	132.53	0.6256
16.69	0.0368	135.33	0.7815
11.74	0.0286	134.42	0.8041
11.77	0.0272	138.35	0.8701
5.05	0.0172	140.16	0.9476
0.02	0.0093	142.63	1.0604
-0.04	0.0062	145.78	1.1592
-0.02	0.0067	142.52	1.1934
-0.02	0.0066	0.22	0.8622
0.02	0.0074		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL ABOVE PL-A

GAGE WR0027 (CH 0446)

AZ = 91 DEGREES R = 11 FT 1.5 IN. V = 16 FT 11.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 28 CHANNEL 447

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0079
5.33	0.0040	19.55	0.0192
12.31	0.0080	29.57	0.0314
16.44	0.0108	39.42	0.0424
20.51	0.0143	49.16	0.0535
20.46	0.0149	54.50	0.0600
20.47	0.0146	59.57	0.0666
27.05	0.0224	64.20	0.0742
34.69	0.0347	69.32	0.0821
34.53	0.0365	74.16	0.0904
34.53	0.0373	80.16	0.0984
39.70	0.0430	85.61	0.1080
45.90	0.0518	90.58	0.1169
45.65	0.0516	95.69	0.1270
45.62	0.0513	100.92	0.1376
50.10	0.0564	103.25	0.1435
53.47	0.0612	106.11	0.1500
53.29	0.0619	108.31	0.1550
53.21	0.0621	111.08	0.1626
50.49	0.0604	113.24	0.1687
46.14	0.0570	117.83	0.1820
46.13	0.0568	120.92	0.1910
44.97	0.0599	123.28	0.1996
38.98	0.0547	122.97	0.2011
33.99	0.0499	125.82	0.2101
33.96	0.0491	125.60	0.2125
26.83	0.0418	127.84	0.2181
21.88	0.0355	130.19	0.2277
21.90	0.0360	132.53	0.2413
16.69	0.0307	135.33	0.2651
11.74	0.0249	134.42	0.2702
11.77	0.0231	138.35	0.2932
5.05	0.0155	140.16	0.3339
0.02	0.0098	142.63	0.4634
-0.04	0.0079	145.78	0.5876
-0.02	0.0084	142.52	0.6225
-0.02	0.0084	0.22	0.3700
0.02	0.0089		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL ABOVE PL-A
 GAGE WR0028 (CH 0447)
 AZ = 90.5 DEGREES R = 11 FT 1.3 IN. V = 22 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 29 CHANNEL 448

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0054
5.33	0.0038	19.55	0.0151
12.31	0.0079	29.57	0.0249
16.44	0.0108	39.42	0.0346
20.51	0.0148	49.16	0.0435
20.46	0.0156	54.50	0.0493
20.47	0.0161	59.57	0.0541
27.05	0.0235	64.20	0.0597
34.69	0.0346	69.32	0.0654
34.53	0.0363	74.16	0.0717
34.53	0.0366	80.16	0.0771
39.70	0.0419	85.61	0.0842
45.90	0.0489	90.58	0.0901
45.65	0.0485	95.69	0.0967
45.62	0.0479	100.92	0.1048
50.10	0.0522	103.25	0.1078
53.47	0.0557	106.11	0.1122
53.29	0.0559	108.31	0.1157
53.21	0.0560	111.08	0.1209
50.49	0.0540	113.24	0.1246
46.14	0.0508	117.83	0.1335
46.13	0.0506	120.92	0.1395
44.97	0.0514	123.28	0.1449
38.98	0.0474	122.97	0.1458
33.99	0.0430	125.82	0.1515
33.96	0.0428	125.60	0.1530
26.83	0.0362	127.84	0.1566
21.88	0.0312	130.19	0.1630
21.90	0.0312	132.53	0.1710
16.69	0.0267	135.33	0.1853
11.74	0.0222	134.42	0.1886
11.77	0.0207	138.35	0.2141
5.05	0.0142	140.16	0.2359
0.02	0.0097	142.63	0.2769
-0.04	0.0081	145.78	0.3208
-0.02	0.0083	142.52	0.3431
-0.02	0.0085	0.22	0.1709
0.02	0.0089		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE
GAGE WR0029 (CH 0448)
AZ = 93 DEGREES R = 11 FT 1.8 IN. V = 24 FT 2.8 IN.

C-872

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 30 CHANNEL 449

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0052
5.33	0.0030	19.55	0.0146
12.31	0.0069	29.57	0.0247
16.44	0.0099	39.42	0.0341
20.51	0.02760	49.16	0.0436
20.46	0.02767	54.50	0.0485
20.47	0.02774	59.57	0.0540
27.05	0.02851	64.20	0.0593
34.69	0.02962	69.32	0.0656
34.53	0.02982	74.16	0.0714
34.53	0.02983	80.16	0.0769
39.70	0.03037	85.61	0.0836
45.90	0.03107	90.58	0.0898
45.65	0.03099	95.69	0.0967
45.62	0.03090	100.92	0.1044
50.10	0.03135	103.25	0.1079
53.47	0.03173	106.11	0.1124
53.29	0.03177	108.31	0.1158
53.21	0.03174	111.08	0.1206
50.49	0.03158	113.24	0.1247
46.14	0.03128	117.83	0.1330
46.13	0.03124	120.92	0.1398
44.97	0.0451	123.28	0.1446
38.98	0.0400	122.97	0.1454
33.99	0.03044	125.82	0.1511
33.96	0.03043	125.60	0.1524
26.83	0.02978	127.84	0.1566
21.88	0.02926	130.19	0.1628
21.90	0.02928	132.53	0.1706
16.69	0.02883	135.33	0.1853
11.74	0.02836	134.42	0.1886
11.77	0.02827	138.35	0.2137
5.05	0.02760	140.16	0.2351
0.02	0.02709	142.63	0.2768
-0.04	0.02695	145.78	0.3209
-0.02	0.02697	142.52	0.3427
-0.02	0.02701	0.22	0.1709
0.02	0.02704		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0030 (CH 0449)

AZ = 93 DEGREES R = 11 FT 2.5 IN. V = 24 FT 7.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 31 CHANNEL 460

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0040
5.33	0.0028	19.55	0.0122
12.31	0.0064	29.57	0.0206
16.44	0.0087	39.42	0.0286
20.51	0.0119	49.16	0.0364
20.46	0.0125	54.50	0.0411
20.47	0.0129	59.57	0.0454
27.05	0.0197	64.20	0.0502
34.69	0.0292	69.32	0.0550
34.53	0.0308	74.16	0.0600
34.53	0.0306	80.16	0.0651
39.70	0.0355	85.61	0.0703
45.90	0.0421	90.58	0.0749
45.65	0.0414	95.69	0.0798
45.62	0.0414	100.92	0.0852
50.10	0.0451	103.25	0.0880
53.47	0.0485	106.11	0.0908
53.29	0.0488	108.31	0.0929
53.21	0.0488	111.08	0.0964
50.49	0.0475	113.24	0.0993
46.14	0.0449	117.83	0.1047
46.13	0.0445	120.92	0.1084
44.97	0.0453	123.28	0.1122
38.98	0.0407	122.97	0.1124
33.99	0.0374	125.82	0.1155
33.96	0.0369	125.60	0.1165
26.83	0.0315	127.84	0.1188
21.88	0.0272	130.19	0.1220
21.90	0.0267	132.53	0.1255
16.69	0.0228	135.33	0.1314
11.74	0.0189	134.42	0.1320
11.77	0.0182	138.35	0.1414
5.05	0.0122	140.16	0.1486
0.02	0.0083	142.63	0.1599
-0.04	0.0081	145.78	0.1710
-0.02	0.0082	142.52	0.1720
-0.02	0.0084	0.22	0.0345
0.02	0.0081		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE
 GAGE WR0031 (CH 0460)
 AZ = 93 DEGREES R = 11 FT 1.8 IN. V = 25 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 32 CHANNEL 461

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0039
5.33	0.0014	19.55	0.0118
12.31	0.0037	29.57	0.0207
16.44	-0.0802	39.42	0.0282
20.51	-0.0772	49.16	0.0363
20.46	-0.0766	54.50	0.0406
20.47	-0.0761	59.57	0.0454
27.05	-0.0694	64.20	0.0497
34.69	-0.0599	69.32	0.0546
34.53	-0.0588	71.16	0.0597
34.53	-0.0585	80.16	0.0646
39.70	-0.0534	85.61	0.0698
45.90	-0.0473	90.58	0.0747
45.65	-0.0479	95.69	0.0793
45.62	-0.0475	100.92	0.0849
50.10	-0.0440	103.25	0.0874
53.47	-0.0404	106.11	0.0903
53.29	-0.0404	108.31	0.0928
53.21	-0.0404	111.08	0.0961
50.49	-0.0416	113.24	0.0989
46.14	-0.0446	117.83	0.1044
46.13	-0.0445	120.92	0.1084
44.97	0.0477	123.28	0.1116
38.98	-0.0478	122.97	0.1119
33.99	-0.0520	125.82	0.1153
33.96	-0.0519	125.60	0.1160
26.83	-0.0579	127.84	0.1183
21.88	-0.0618	130.19	0.1215
21.90	-0.0625	132.53	0.1250
16.69	0.0666	135.33	0.1309
11.74	-0.0703	134.42	0.1316
11.77	-0.0713	138.35	0.1409
5.05	-0.0769	140.16	0.1484
0.02	-0.0806	142.63	0.1594
-0.04	-0.0812	145.78	0.1713
-0.02	-0.0807	142.52	0.1716
-0.02	-0.0806	0.22	0.0345
0.02	-0.0809		

CIRCUMFERENTIAL STRAIN NEAR DOME MID-HEIGHT

GAGE WR0032 (CH 0461)

AZ = 93 DEGREES R = 8 FT 8 IN. V = 31 FT 3.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 33 CHANNEL 462

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0051
5.33	0.0028	19.55	0.0151
12.31	0.0071	29.57	0.0244
16.44	0.0099	39.42	0.0335
20.51	0.0135	49.16	0.0420
20.46	0.0136	54.50	0.0468
20.47	0.0142	59.57	0.0515
27.05	0.0209	64.20	0.0564
34.69	0.0287	69.32	0.0617
34.53	0.0301	74.16	0.0672
34.53	0.0300	80.16	0.0737
39.70	0.0350	85.61	0.0799
45.90	0.0410	90.58	0.0858
45.65	0.0408	95.69	0.0922
45.62	0.0409	100.92	0.0986
50.10	0.0450	103.25	0.1019
53.47	0.0485	106.11	0.1052
53.29	0.0484	108.31	0.1075
53.21	0.0486	111.08	0.1105
50.49	0.0470	113.24	0.1133
46.14	0.0439	117.83	0.1180
46.13	0.0435	120.92	0.1217
44.97	0.0434	123.28	0.1247
38.98	0.0392	122.97	0.1251
33.99	0.0349	125.82	0.1284
33.96	0.0350	125.60	0.1289
26.83	0.0285	127.84	0.1316
21.88	0.0241	130.19	0.1363
21.90	0.0243	132.53	0.1426
16.69	0.0198	135.33	0.1500
11.74	0.0152	134.42	0.1509
11.77	0.0144	138.35	0.1602
5.05	0.0084	140.16	0.1695
0.02	0.0033	142.63	0.1844
-0.04	0.0018	145.78	0.1965
-0.02	0.0024	142.52	0.1975
-0.02	0.0027	0.22	0.0416
0.02	0.0027		

CIRCUMFERENTIAL STRAIN OF CONSTRAINED PENETRATION

GAGE WR0033 (CH 0462)

AZ = 135 DEGREES R = 11 FT 1.3 IN. V = 20 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 34 CHANNEL 463

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0032
5.33	0.0030	19.55	0.0110
12.31	0.0054	29.57	0.0193
16.44	0.0074	39.42	0.0270
20.51	0.0100	49.16	0.0350
20.46	0.0106	54.50	0.0390
20.47	0.0108	59.57	0.0438
27.05	0.0160	64.20	0.0485
34.69	0.0231	69.32	0.0542
34.53	0.0244	74.16	0.0597
34.53	0.0248	80.16	0.0659
39.70	0.0294	85.61	0.0721
45.90	0.0359	90.58	0.0780
45.65	0.0360	95.69	0.0846
45.62	0.0363	100.92	0.0911
50.10	0.0397	103.25	0.0948
53.47	0.0425	106.11	0.0982
53.29	0.0427	108.31	0.1008
53.21	0.0431	111.08	0.1045
50.49	0.0417	113.24	0.1070
46.14	0.0392	117.83	0.1125
46.13	0.0389	120.92	0.1174
44.97	0.0390	123.28	0.1209
38.98	0.0356	122.97	0.1216
33.99	0.0323	125.82	0.1263
33.96	0.0324	125.60	0.1270
26.83	0.0279	127.84	0.1301
21.88	0.0245	130.19	0.1354
21.90	0.0247	132.53	0.1426
16.69	0.0215	135.33	0.1512
11.74	0.0178	134.42	0.1525
11.77	0.0172	138.35	0.1641
5.05	0.0125	140.16	0.1747
0.02	0.0088	142.63	0.1888
-0.04	0.0062	145.78	0.1996
-0.02	0.0068	142.52	0.1992
-0.02	0.0067	0.22	0.0380
0.02	0.0074		

CIRCUMFERENTIAL STRAIN OF CONSTRAINED PENETRATION
GAGE WR0034 (CH 0463)
AZ = 135 DEGREES R = 11 FT 1.3 IN. V = 20 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 35 CHANNEL 464

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0043
5.33	0.0013	19.55	0.0139
12.31	0.0036	29.57	0.0229
16.44	0.0062	39.42	0.0326
20.51	0.0113	49.16	0.0410
20.46	0.0129	54.50	0.0461
20.47	0.0134	59.57	0.0514
27.05	0.0234	64.20	0.0568
34.69	0.0351	69.32	0.0629
34.53	0.0364	74.16	0.0691
34.53	0.0368	80.16	0.0763
39.70	0.0423	85.61	0.0836
45.90	0.0504	90.58	0.0903
45.65	0.0506	95.69	0.0979
45.62	0.0507	100.92	0.1060
50.10	0.0556	103.25	0.1098
53.47	0.0594	106.11	0.1140
53.29	0.0597	108.31	0.1173
53.21	0.0600	111.08	0.1226
50.49	0.0587	113.24	0.1260
46.14	0.0557	117.83	0.1342
46.13	0.0556	120.92	0.1401
44.97	0.0568	123.28	0.1461
38.98	0.0528	122.97	0.1472
33.99	0.0486	125.82	0.1539
33.96	0.0480	125.60	0.1550
26.83	0.0419	127.84	0.1588
21.88	0.0376	130.19	0.1667
21.90	0.0371	132.53	0.1780
16.69	0.0326	135.33	0.1974
11.74	0.0282	134.42	0.2009
11.77	0.0276	138.35	0.2264
5.05	0.0217	140.16	0.2428
0.02	0.0173	142.63	0.2602
-0.04	0.0160	145.78	0.3807
-0.02	0.0161	142.52	0.4105
-0.02	0.0165	0.22	0.2304
0.02	0.0165		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0035 (CH 0464)

AZ = 213 DEGREES R = 11 FT 1.5 IN. V = 24 FT 3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 36 CHANNEL 465

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0048
5.33	0.0032	19.55	0.0140
12.31	0.0090	29.57	0.0237
16.44	0.2812	39.42	0.0326
20.51	0.2868	49.16	0.0413
20.46	0.2879	54.50	0.0463
20.47	0.2886	59.57	0.0518
27.05	0.2990	64.20	0.0572
34.69	0.3102	69.32	0.0635
34.53	0.3116	74.16	0.0694
34.53	0.3120	80.16	0.0766
39.70	0.3174	85.61	0.0838
45.90	0.3256	90.58	0.0906
45.65	0.3259	95.69	0.0980
45.62	0.3258	100.92	0.1061
50.10	0.3305	103.25	0.1100
53.47	0.3348	106.11	0.1144
53.29	0.3352	108.31	0.1178
53.21	0.3355	111.08	0.1226
50.49	0.3342	113.24	0.1264
46.14	0.3311	117.83	0.1347
46.13	0.3309	120.92	0.1408
44.97	0.0847	123.28	0.1462
38.98	0.3278	122.97	0.1476
33.99	0.3237	125.82	0.1540
33.96	0.3233	125.60	0.1553
26.83	0.3173	127.84	0.1592
21.88	0.3126	130.19	0.1665
21.90	0.3126	132.53	0.1786
16.69	0.3079	135.33	0.1975
11.74	0.3033	134.42	0.2015
11.77	0.3027	138.35	0.2267
5.05	0.2966	140.16	0.2427
0.02	0.2922	142.63	0.2603
-0.04	0.2918	145.78	0.3816
-0.02	0.2915	142.52	0.4106
-0.02	0.2914	0.22	0.2310
0.02	0.2916		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B
 GAGE WR0036 (CH 0465)
 AZ = 270.5 DEGREES R = 11 FT 1.3 IN. V = 9 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 37 CHANNEL 466

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	0.0106
5.33	0.0032	19.55	0.0255
12.31	0.0081	29.57	0.0409
16.44	0.0118	39.42	0.0559
20.51	0.0187	49.16	0.0709
20.46	0.0202	54.50	0.0801
20.47	0.0207	59.57	0.0898
27.05	0.0347	64.20	0.1007
34.69	0.0522	69.32	0.1133
34.53	0.0536	74.16	0.1269
34.53	0.0540	80.16	0.1456
39.70	0.0627	85.61	0.1648
45.90	0.0761	90.58	0.1855
45.65	0.0774	95.69	0.2097
45.62	0.0776	100.92	0.2359
50.10	0.0858	103.25	0.2493
53.47	0.0934	106.11	0.2632
53.29	0.0943	108.31	0.2746
53.21	0.0947	111.08	0.2918
50.49	0.0919	113.24	0.3058
46.14	0.0867	117.83	0.3405
46.13	0.0864	120.92	0.3675
44.97	0.0881	123.28	0.3936
38.98	0.0803	122.97	0.4009
33.99	0.0734	125.82	0.4294
33.96	0.0726	125.60	0.4402
26.83	0.0622	127.84	0.4596
21.88	0.0548	130.19	0.5009
21.90	0.0542	132.53	0.5656
16.69	0.0465	135.33	0.6625
11.74	0.0388	134.42	0.6889
11.77	0.0382	138.35	0.7970
5.05	0.0285	140.16	0.8875
0.02	0.0213	142.63	1.0151
-0.04	0.0199	145.78	1.1381
-0.02	0.0195	142.52	1.1793
-0.02	0.0191	0.22	0.8196
0.02	0.0189		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B
 GAGE WR0037 (CH 0466)
 AZ = 270 DEGREES R = 11 FT 1.3 IN. V = 10 FT 10 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 38 CHANNEL 467

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0059
5.33	0.0027	19.55	0.0171
12.31	0.0073	29.57	0.0284
16.44	0.0107	39.42	0.0391
20.51	0.0153	49.16	0.0493
20.46	0.0157	54.50	0.0551
20.47	0.0157	59.57	0.0620
27.05	0.0232	64.20	0.0696
34.69	0.0328	69.32	0.0784
34.53	0.0331	74.16	0.0877
34.53	0.0333	80.16	0.0980
39.70	0.0389	85.61	0.1074
45.90	0.0480	90.58	0.1160
45.65	0.0486	95.69	0.1253
45.62	0.0486	100.92	0.1357
50.10	0.0540	103.25	0.1413
53.47	0.0591	106.11	0.1468
53.29	0.0596	108.31	0.1514
53.21	0.0594	111.08	0.1583
50.49	0.0577	113.24	0.1639
46.14	0.0539	117.83	0.1769
46.13	0.0541	120.92	0.1877
44.97	0.0554	123.28	0.1974
38.98	0.0498	122.97	0.1997
33.99	0.0450	125.82	0.2103
33.96	0.0447	125.60	0.2141
26.83	0.0375	127.84	0.2205
21.88	0.0319	130.19	0.2334
21.90	0.0316	132.53	0.2476
16.69	0.0259	135.33	0.2648
11.74	0.0203	134.42	0.2684
11.77	0.0192	138.35	0.2868
5.05	0.0122	140.16	0.3016
0.02	0.0064	142.63	0.3216
-0.04	0.0054	145.78	0.3465
-0.02	0.0054	142.52	0.3564
-0.02	0.0053	0.22	0.1604
0.02	0.0050		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B

GAGE WR0038 (CH 0467)

AZ = 270.5 DEGREES R = 11 FT 1.3 IN. V = 11 FT 6.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 39 CHANNEL 468

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0056
5.33	0.0040	19.55	0.0146
12.31	0.0091	29.57	0.0244
16.44	0.0129	39.42	0.0338
20.51	0.0182	49.16	0.0432
20.46	0.0189	54.50	0.0486
20.47	0.0190	59.57	0.0542
27.05	0.0268	64.20	0.0606
34.69	0.0348	69.32	0.0676
34.53	0.0349	74.16	0.0748
34.53	0.0350	80.16	0.0841
39.70	0.0397	85.61	0.0924
45.90	0.0462	90.58	0.1006
45.65	0.0463	95.69	0.1106
45.62	0.0466	100.92	0.1210
50.10	0.0518	103.25	0.1269
53.47	0.0561	106.11	0.1323
53.29	0.0565	108.31	0.1363
53.21	0.0565	111.08	0.1429
50.49	0.0548	113.24	0.1485
46.14	0.0515	117.83	0.1610
46.13	0.0513	120.92	0.1705
44.97	0.0532	123.28	0.1800
38.98	0.0481	122.97	0.1822
33.99	0.0439	125.82	0.1919
33.96	0.0429	125.60	0.1951
26.83	0.0364	127.84	0.2015
21.88	0.0312	130.19	0.2126
21.90	0.0307	132.53	0.2248
16.69	0.0256	135.33	0.2405
11.74	0.0207	134.42	0.2448
11.77	0.0197	138.35	0.2607
5.05	0.0135	140.16	0.2722
0.02	0.0081	142.63	0.2871
-0.04	0.0073	145.78	0.3015
-0.02	0.0076	142.52	0.3056
-0.02	0.0078	0.22	0.1221
0.02	0.0079		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B
GAGE WR0039 (CH 0468)

AZ = 270.5 DEGREES R = 11 FT 1.3 IN. V = 11 FT 9.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 40 CHANNEL 469

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0052
5.33	0.0025	19.55	0.0149
12.31	0.0061	29.57	0.0246
16.44	0.0082	39.42	0.0340
20.51	-0.1828	49.16	0.0434
20.46	-0.1824	54.50	0.0483
20.47	-0.1821	59.57	0.0542
27.05	-0.1742	64.20	0.0603
34.69	-0.1667	69.32	0.0672
34.53	-0.1663	74.16	0.0744
34.53	-0.1661	80.16	0.0839
39.70	-0.1615	85.61	0.0922
45.90	-0.1550	90.58	0.1004
45.65	-0.1550	95.69	0.1103
45.62	-0.1546	100.92	0.1210
50.10	-0.1500	103.25	0.1266
53.47	-0.1451	106.11	0.1322
53.29	-0.1448	108.31	0.1365
53.21	-0.1449	111.08	0.1430
50.49	-0.1462	113.24	0.1483
46.14	-0.1498	117.83	0.1611
46.13	-0.1497	120.92	0.1705
44.97	0.0467	123.28	0.1796
38.98	0.0432	122.97	0.1821
33.99	-0.1577	125.82	0.1915
33.96	-0.1582	125.50	0.1952
26.83	-0.1647	127.84	0.2010
21.88	-0.1698	130.19	0.2124
21.90	-0.1704	132.53	0.2246
16.69	-0.1754	135.33	0.2402
11.74	-0.1805	134.42	0.2444
11.77	-0.1813	138.35	0.2604
5.05	-0.1879	140.16	0.2723
0.02	-0.1926	142.63	0.2867
-0.04	-0.1939	145.78	0.3016
-0.02	-0.1924	142.52	0.3053
-0.02	-0.1927	0.22	0.1214
0.02	-0.1934

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 42 CHANNEL 481

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0028
5.33	0.0025	19.55	-0.0022
12.31	0.0065	29.57	-0.0041
16.44	-0.3542	39.42	-0.0028
20.51	-0.3515	49.16	-0.0040
20.46	-0.3510	54.50	-0.0050
20.47	-0.3510	59.57	-0.0050
27.05	-0.3449	64.20	0.0011
34.69	-0.3355	63.32	-0.0050
34.53	-0.3341	74.16	-0.0050
34.53	-0.3338	80.16	0.0018
39.70	-0.3295	85.61	-0.0017
45.90	-0.3218	90.58	-0.0003
45.65	-0.3211	95.69	-0.0049
45.62	-0.3208	100.92	-0.0020
50.10	-0.3170	103.25	-0.0006
53.47	-0.3131	106.11	-0.0028
53.29	-0.3124	108.31	-0.0004
53.21	-0.3121	111.08	-0.0050
50.49	-0.3132	113.24	-0.0050
46.14	-0.3153	117.83	-0.0001
46.13	-0.3153	120.92	-0.0001
44.97	-0.3148	123.28	-0.0018
38.98	-0.3180	122.97	-0.0028
33.99	-0.3213	125.82	-0.0002
33.96	-0.3221	125.60	-0.0028
26.83	-0.3272	127.84	-0.0016
21.88	-0.3311	130.19	0.0011
21.90	-0.3316	132.53	-0.0019
16.69	-0.3356	135.33	-0.0025
11.74	-0.3398	134.42	-0.0041
11.77	-0.3402	138.35	-0.0018
5.05	-0.3451	140.16	-0.0019
0.02	-0.3489	142.63	-0.0006
-0.04	-0.3500	145.78	-0.0028
-0.02	-0.3500	142.52	-0.0017
-0.02	-0.3500	0.22	-0.0003
0.02	-0.3504		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0042 (CH 0481)

AZ = 332.5 DEGREES R = 11 FT 1.9 IN. V = 24 FT 0.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 43 CHANNEL 482

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0041
5.33	-0.0008	19.55	-0.0040
12.31	-0.0006	29.57	-0.0041
16.44	-0.0006	39.42	-0.0040
20.51	-0.0005	49.16	-0.0040
20.46	-0.0005	54.50	-0.0038
20.47	-0.0004	59.57	-0.0036
27.05	-0.0005	64.20	-0.0040
34.69	-0.0001	69.32	-0.0040
34.53	-0.0002	74.16	-0.0039
34.53	-0.0001	80.16	-0.0031
39.70	-0.0005	85.61	-0.0036
45.90	0.0000	90.58	-0.0030
45.65	0.0000	95.69	-0.0021
45.62	-0.0002	100.92	-0.0012
50.10	0.0001	103.25	-0.0009
53.47	-0.0004	106.11	-0.0003
53.29	0.0000	108.31	-0.0002
53.21	-0.0001	111.08	0.0005
50.49	-0.0002	113.24	0.0007
46.14	-0.0003	117.83	0.0020
46.13	-0.0002	120.92	0.0034
44.97	-0.0004	123.28	0.0047
38.98	-0.0006	122.97	0.0047
33.99	-0.0004	125.82	0.0064
33.96	-0.0007	125.60	0.0072
26.83	-0.0005	127.84	0.0076
21.88	-0.0004	130.19	0.0097
21.90	-0.0005	132.53	0.0106
16.69	-0.0001	135.33	0.0131
11.74	-0.0004	134.42	0.0144
11.77	0.0000	138.35	0.0173
5.05	-0.0001	140.16	0.0197
0.02	0.0000	142.63	0.0238
-0.04	-0.0006	145.78	0.0289
-0.02	-0.0010	142.52	0.0321
-0.02	-0.0007	0.22	0.0146
0.02	-0.0017		

MERIDIONAL STRAIN LOWER BASEMAT REGION

GAGE WR0043 (CH 0482)

AZ = 88.7 DEGREES R = 11 FT 2 IN. V = 0.0 FT -10.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 44 CHANNEL 483

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	-0.0003
5.33	0.0002	19.55	0.0036
12.31	0.0025	29.57	0.0087
16.44	0.0040	39.42	0.0132
20.51	0.0051	49.16	0.0185
20.46	0.0055	54.50	0.0218
20.47	0.0062	59.57	0.0261
27.05	0.0089	64.20	0.0413
34.69	0.0133	69.32	0.0519
34.53	0.0146	74.16	0.0646
34.53	0.0147	80.16	0.0826
39.70	0.0179	85.61	0.0968
45.90	0.0219	90.58	0.1101
45.65	0.0232	95.69	0.1247
45.62	0.0236	100.92	0.1379
50.10	0.0263	103.25	0.1449
53.47	0.0293	106.11	0.1516
53.29	0.0301	108.31	0.1569
53.21	0.0310	111.08	0.1650
50.49	0.0303	113.24	0.1710
46.14	0.0291	117.83	0.1810
46.13	0.0293	120.92	0.1877
44.97	0.0301	123.28	0.1930
38.98	0.0278	122.97	0.1932
33.99	0.0261	125.82	0.1986
33.96	0.0266	125.60	0.1999
26.83	0.0240	127.84	0.2038
21.88	0.0219	130.19	0.2090
21.90	0.0217	132.53	0.2131
16.69	0.0201	135.31	0.2179
11.74	0.0177	134.42	0.2175
11.77	0.0171	138.35	0.2249
5.05	0.0136	140.16	0.2294
0.02	0.0110	142.63	0.2355
-0.04	0.0078	145.78	0.2444
-0.02	0.0071	142.52	0.2412
-0.02	0.0076	0.22	0.0203
0.02	0.0066		

MERIDIONAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0044 (CH 0483)

AZ = 88.8 DEGREES R = 11 FT 2 IN. V = 1 FT 3.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 45 CHANNEL 484

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0076
5.33	0.0037	19.55	0.0196
12.31	0.0088	29.57	0.0332
16.44	0.0120	39.42	0.0464
20.51	0.0162	49.16	0.0594
20.46	0.0177	54.50	0.0678
20.47	0.0192	59.57	0.0764
27.05	0.0281	64.20	0.0871
34.69	0.0412	69.32	0.0965
34.53	0.0434	74.16	0.1075
34.53	0.0438	80.16	0.1238
39.70	0.0514	85.61	0.1356
45.90	0.0616	90.58	0.1455
45.65	0.0623	95.69	0.1548
45.62	0.0624	100.92	0.1647
50.10	0.0688	103.25	0.1697
53.47	0.0751	106.11	0.1759
53.29	0.0755	108.31	0.1813
53.21	0.0758	111.08	0.1890
50.49	0.0727	113.24	0.1963
46.14	0.0689	117.83	0.2077
46.13	0.0679	120.92	0.2140
44.97	0.0652	123.28	0.2188
38.98	0.0600	122.97	0.2185
33.99	0.0550	125.82	0.2239
33.96	0.0560	125.60	0.2249
26.83	0.0492	127.84	0.2287
21.88	0.0441	130.19	0.2346
21.90	0.0443	132.53	0.2397
16.69	0.0384	135.33	0.2454
11.74	0.0323	134.42	0.2456
11.77	0.0308	138.35	0.2479
5.05	0.0224	140.16	0.3336
0.02	0.0156	142.63	0.6366
-0.04	0.0095	145.78	0.8789
-0.02	0.0087	142.52	0.9242
-0.02	0.0091	0.22	0.5542
0.02	0.0097		

MERIDIONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE WR0045 (CH 0484)

AZ = 88.9 DEGREES R = 11 FT 2.5 IN. V = 1 FT 6.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 46 CHANNEL 485

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0071
5.33	0.0051	19.55	0.0197
12.31	0.0107	29.57	0.0330
16.44	-0.4637	39.42	0.0459
20.51	-0.4595	49.16	0.0595
20.46	-0.4578	54.50	0.0674
20.47	-0.4562	59.57	0.0761
27.05	-0.4475	64.20	0.0866
34.69	-0.4345	69.32	0.0965
34.53	-0.4322	74.16	0.1078
34.53	-0.4318	80.16	0.1235
39.70	-0.4244	85.61	0.1357
45.90	-0.4143	90.58	0.1455
45.65	-0.4134	95.69	0.1547
45.62	-0.4131	100.92	0.1648
50.10	-0.4070	103.25	0.1698
53.47	-0.4005	106.11	0.1758
53.29	-0.4004	108.31	0.1810
53.21	-0.4008	111.08	0.1886
50.49	-0.4028	113.24	0.1961
46.14	-0.4070	117.83	0.2078
46.13	-0.4077	120.92	0.2139
44.97	-0.4105	123.26	0.2188
38.98	-0.4161	122.97	0.2188
33.99	-0.4209	125.82	0.2236
33.96	-0.4197	125.60	0.2247
26.83	-0.4263	127.84	0.2289
21.88	-0.4317	130.19	0.2341
21.90	-0.4315	132.53	0.2399
16.69	-0.4374	135.33	0.2456
11.74	-0.4433	134.42	0.2455
11.77	-0.4448	138.35	0.2478
5.05	-0.4528	140.16	0.3329
0.02	-0.4594	142.63	0.6366
-0.04	-0.4663	145.78	0.8787
-0.02	-0.4671	142.52	0.9241
-0.02	-0.4663	0.22	0.5541
0.02	-0.4655		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0046 (CH 0485)

AZ = 89 DEGREES R = 11 FT 2.3 IN. V = 2 FT 0.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 47 CHANNEL 486

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0041
5.33	0.0021	19.55	0.0140
12.31	0.0052	29.57	0.0254
16.44	0.0067	39.42	0.0363
20.51	0.0093	49.16	0.0469
20.46	0.0108	54.50	0.0537
20.47	0.0120	59.57	0.0598
27.05	0.0211	64.20	0.0692
34.69	0.0340	69.32	0.0781
34.53	0.0361	74.16	0.0893
34.53	0.0366	80.16	0.1032
39.70	0.0434	85.61	0.1167
45.90	0.0532	90.58	0.1290
45.65	0.0539	95.69	0.1405
45.62	0.0538	100.92	0.1508
50.10	0.0591	103.25	0.1567
53.47	0.0641	106.11	0.1638
53.29	0.0645	108.31	0.1689
53.21	0.0641	111.08	0.1765
50.49	0.0624	113.24	0.1816
46.14	0.0593	117.83	0.1914
46.13	0.0591	120.92	0.1972
44.97	0.0573	123.28	0.2017
38.98	0.0533	122.97	0.2013
33.99	0.0492	125.82	0.2061
33.96	0.0505	125.60	0.2068
26.83	0.0442	127.84	0.2107
21.88	0.0400	130.19	0.2162
21.90	0.0402	132.53	0.2203
16.69	0.0349	135.33	0.2234
11.74	0.0294	134.42	0.2228
11.77	0.0276	138.35	0.2325
5.05	0.0211	140.16	0.2394
0.02	0.0160	142.63	0.2398
-0.04	0.0122	145.78	0.3052
-0.02	0.0121	142.52	0.3129
-0.02	0.0123	0.22	0.0743
0.02	0.0132		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE WR0047 (CH 0486)
AZ = 89.23 DEGREES R = 11 FT 2.3 IN. V = 4 FT 5.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 48 CHANNEL 487

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0058
5.33	0.0052	19.55	0.0149
12.31	0.0118	29.57	0.0247
16.44	0.0160	39.42	0.0330
20.51	0.0198	49.16	0.0416
20.46	0.0209	54.50	0.0458
20.47	0.0223	59.57	0.0502
27.05	0.0278	64.20	0.0546
34.69	0.0355	69.32	0.0602
34.53	0.0362	74.16	0.0650
34.53	0.0367	80.16	0.0701
39.70	0.0411	85.61	0.0773
45.90	0.0457	90.58	0.0836
45.65	0.0442	95.69	0.0901
45.62	0.0436	100.92	0.0972
50.10	0.0464	103.25	0.1003
53.47	0.0480	106.11	0.1044
53.29	0.0468	108.31	0.1079
53.21	0.0458	111.08	0.1132
50.49	0.0441	113.24	0.1177
46.14	0.0411	117.83	0.1295
46.13	0.0410	120.92	0.1393
44.97	0.0419	123.28	0.1496
38.98	0.0382	122.97	0.1517
33.99	0.0341	125.82	0.1627
33.96	0.0347	125.60	0.1740
26.83	0.0293	127.84	0.1823
21.88	0.0252	130.19	0.2026
21.90	0.0260	132.53	0.2288
16.69	0.0214	135.33	0.2715
11.74	0.0164	134.42	0.2873
11.77	0.0154	138.35	0.3433
5.05	0.0085	140.16	0.3953
0.02	0.0032	142.63	0.4623
-0.04	-0.0016	145.78	0.5174
-0.02	-0.0008	142.52	0.5473
-0.02	-0.0006	0.22	0.3786
0.02	0.0020		

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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REDUCTION

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-A

GAGE WR0048 (CH 0487)

AZ = 83.23 DEGREES R = 11 FT 1.5 IN. V = 13 FT 1.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 49 CHANNEL 488

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0015
5.33	0.0044	19.55	0.0080
12.31	0.0094	29.57	0.0153
16.44	0.0128	39.42	0.0213
20.51	0.0156	49.16	0.0278
20.46	0.0153	54.50	0.0318
20.47	0.0166	59.57	0.0370
27.05	0.0174	64.20	0.0437
34.69	0.0168	69.32	0.0520
34.53	0.0165	74.16	0.0610
34.53	0.0165	80.16	0.0698
39.70	0.0181	85.61	0.0798
45.90	0.0209	90.58	0.0901
45.65	0.0199	95.69	0.1020
45.62	0.0194	100.92	0.1137
50.10	0.0220	103.25	0.1194
53.47	0.0254	106.11	0.1259
53.29	0.0254	108.31	0.1308
53.21	0.0256	111.08	0.1378
50.49	0.0240	113.24	0.1439
46.14	0.0222	117.83	0.1640
46.13	0.0221	120.92	0.1830
44.97	0.0234	123.28	0.2112
38.98	0.0217	122.97	0.2173
33.99	0.0190	125.82	0.2393
33.96	0.0192	125.60	0.2493
26.83	0.0157	127.84	0.2624
21.88	0.0134	130.19	0.2927
21.90	0.0138	132.53	0.3242
16.69	0.0105	135.33	0.3601
11.74	0.0072	134.42	0.3713
11.77	0.0063	138.35	0.4122
5.05	0.0015	140.16	0.4488
0.02	-0.0023	142.63	0.5042
-0.04	-0.0055	145.78	0.5627
-0.02	-0.0047	142.52	0.5966
-0.02	-0.0046	0.22	0.3924
0.02	-0.0025		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-A

GAGE WR0049 (CH 0488)

AZ = 82 DEGREES R = 11 FT 1.5 IN. V = 13 FT 1.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 50 CHANNEL 489

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0024
5.33	0.0029	19.55	0.0083
12.31	0.0066	29.57	0.0152
16.44	0.0087	39.42	0.0214
20.51	-0.0771	49.16	0.0278
20.46	-0.0767	54.50	0.0321
20.47	-0.0765	59.57	0.0377
27.05	-0.0752	64.20	0.0441
34.69	-0.0762	69.32	0.0523
34.53	-0.0761	74.16	0.0608
34.53	-0.0764	80.16	0.0701
39.70	-0.0745	85.61	0.0803
45.90	-0.0719	90.58	0.0907
45.65	-0.0727	95.69	0.1019
45.62	-0.0733	100.92	0.1139
50.10	-0.0708	103.25	0.1194
53.47	-0.0672	106.11	0.1263
53.29	-0.0671	108.31	0.1311
53.21	-0.0676	111.08	0.1379
50.49	-0.0685	113.24	0.1440
46.14	-0.0704	117.83	0.1638
46.13	-0.0708	120.92	0.1831
44.97	0.0517	123.28	0.2115
38.98	0.0478	122.97	0.2177
33.99	-0.0734	125.82	0.2392
33.96	-0.0735	125.60	0.2496
26.83	-0.0770	127.84	0.2626
21.88	-0.0793	130.19	0.2927
21.90	-0.0787	132.53	0.3245
16.69	-0.0822	135.33	0.3604
11.74	-0.0852	134.42	0.3717
11.77	-0.0861	138.35	0.4125
5.05	-0.0912	140.16	0.4493
0.02	-0.0950	142.63	0.5045
-0.04	-0.0979	145.78	0.5627
-0.02	-0.0971	142.52	0.5967
-0.02	-0.0968	0.22	0.3928
0.02	-0.0955		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-A

GAGE WR0050 (CH 0489)

AZ = 78 DEGREES R = 11 FT 1.5 IN. V = 13 FT 1.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 51 CHANNEL 500

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0082
5.33	0.0072	19.55	0.0187
12.31	0.0149	29.57	0.0288
16.44	0.0185	39.42	0.0383
20.51	0.0230	49.16	0.0476
20.46	0.0230	54.50	0.0532
20.47	0.0235	59.57	0.0576
27.05	0.0306	64.20	0.0628
34.69	0.0393	69.32	0.0683
34.53	0.0403	74.16	0.0735
34.53	0.0407	80.16	0.0792
39.70	0.0453	85.61	0.0856
45.90	0.0513	90.58	0.0917
45.65	0.0504	95.69	0.0988
45.62	0.0500	100.92	0.1063
50.10	0.0542	103.25	0.1097
53.47	0.0577	106.11	0.1138
53.29	0.0574	108.31	0.1172
53.21	0.0574	111.08	0.1221
50.49	0.0551	113.24	0.1257
46.14	0.0514	117.83	0.1349
46.13	0.0514	120.92	0.1415
44.97	0.0519	123.28	0.1482
38.98	0.0466	122.97	0.1497
33.99	0.0415	125.82	0.1580
33.96	0.0410	125.60	0.1595
26.83	0.0336	127.84	0.1658
21.88	0.0282	130.19	0.1780
21.90	0.0285	132.53	0.1965
16.69	0.0230	135.33	0.2274
11.74	0.0181	134.42	0.2345
11.77	0.0168	138.35	0.3116
5.05	0.0096	140.16	0.4027
0.02	0.0036	142.63	0.5822
-0.04	0.0021	145.78	0.6551
-0.02	0.0024	142.52	0.6784
-0.02	0.0026	0.22	0.4971
0.02	0.0041		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR SPRING LINE
 GAGE WR0051 (CH 0500)
 AZ = 93 DEGREES R = 11 FT 2 IN. V = 23 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 52 CHANNEL 501

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0051
5.33	0.0033	19.55	0.0139
12.31	0.0066	29.57	0.0224
16.44	0.0086	39.42	0.0302
20.51	0.0128	49.16	0.0374
20.46	0.0138	54.50	0.0419
20.47	0.0137	59.57	0.0463
27.05	0.0212	64.20	0.0512
34.69	0.0314	69.32	0.0565
34.53	0.0332	74.16	0.0619
34.53	0.0338	80.16	0.0674
39.70	0.0387	85.61	0.0737
45.90	0.0454	90.58	0.0795
45.65	0.0452	95.69	0.0861
45.62	0.0453	100.92	0.0930
50.10	0.0489	103.25	0.0959
53.47	0.0516	106.11	0.0999
53.29	0.0521	108.31	0.1029
53.21	0.0521	111.08	0.1070
50.49	0.0511	113.24	0.1100
46.14	0.0491	117.83	0.1180
46.13	0.0490	120.92	0.1240
44.97	0.0488	123.28	0.1296
38.98	0.0458	122.97	0.1304
33.99	0.0431	125.82	0.1381
33.96	0.0428	125.60	0.1400
26.83	0.0378	127.84	0.1448
21.88	0.0340	130.19	0.1555
21.90	0.0339	132.53	0.1704
16.69	0.0302	135.33	0.1925
11.74	0.0257	134.42	0.1962
11.77	0.0250	138.35	0.2226
5.05	0.0188	140.16	0.2336
0.02	0.0138	142.63	0.2451
-0.04	0.0114	145.78	0.2480
-0.02	0.0115	142.52	0.2469
-0.02	0.0121	0.22	0.1031
0.02	0.0122		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0052 (CH 0501)

AZ = 93 DEGREES R = 11 FT 2 IN. V = 24 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 53 CHANNEL 502

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0035
5.33	0.0021	19.55	0.0115
12.31	0.0042	29.57	0.0191
16.44	0.0058	39.42	0.0264
20.51	0.0088	49.16	0.0335
20.46	0.0092	54.50	0.0377
20.47	0.0095	59.57	0.0422
27.05	0.0153	64.20	0.0472
34.69	0.0252	69.32	0.0529
34.53	0.0275	74.16	0.0588
34.53	0.0280	80.16	0.0651
39.70	0.0328	85.61	0.0713
45.90	0.0410	90.58	0.0773
45.65	0.0415	95.69	0.0839
45.62	0.0417	100.92	0.0905
50.10	0.0460	103.25	0.0938
53.47	0.0496	106.11	0.0969
53.29	0.0503	108.31	0.0998
53.21	0.0507	111.08	0.1040
50.49	0.0499	113.24	0.1068
46.14	0.0481	117.83	0.1140
46.13	0.0473	120.92	0.1190
44.97	0.0482	123.28	0.1238
38.98	0.0455	122.97	0.1246
33.99	0.0427	125.82	0.1301
33.96	0.0426	125.60	0.1314
26.63	0.0381	127.84	0.1354
21.88	0.0350	130.19	0.1423
21.90	0.0347	132.53	0.1517
16.69	0.0316	135.33	0.1665
11.74	0.0283	134.42	0.1690
11.77	0.0270	138.35	0.1861
5.05	0.0223	140.16	0.1955
0.02	0.0181	142.63	0.2006
-0.04	0.0157	145.78	0.2170
-0.02	0.0158	142.52	0.2167
-0.02	0.0164	0.22	0.0893
0.02	0.0163		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0053 (CH 0502)

AZ = 93 DEGREES R = 11 FT 2.2 IN. V = 24 FT 7.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 54 CHANNEL 503

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0023
5.33	0.0019	19.55	0.0095
12.31	0.0043	29.57	0.0168
16.44	0.0065	39.42	0.0243
20.51	0.0093	49.16	0.0308
20.46	0.0100	54.50	0.0350
20.47	0.0099	59.57	0.0392
27.05	0.0155	64.20	0.0435
34.69	0.0231	69.32	0.0486
34.53	0.0244	74.16	0.0534
34.53	0.0251	80.16	0.0594
39.70	0.0292	85.61	0.0652
45.90	0.0347	90.58	0.0706
45.65	0.0352	95.69	0.0762
45.62	0.0351	100.92	0.0820
50.10	0.0391	103.25	0.0851
53.47	0.0426	106.11	0.0884
53.29	0.0425	108.31	0.0911
53.21	0.0429	111.08	0.0945
50.49	0.0417	113.24	0.0974
46.14	0.0395	117.83	0.1040
46.13	0.0392	120.92	0.1086
44.97	0.0401	123.28	0.1133
38.98	0.0368	122.97	0.1137
33.99	0.0334	125.82	0.1185
33.96	0.0337	125.60	0.1197
26.83	0.0284	127.84	0.1225
21.88	0.0252	130.19	0.1280
21.90	0.0251	132.53	0.1353
16.69	0.0219	135.33	0.1467
11.74	0.0185	134.42	0.1490
11.77	0.0177	138.35	0.1639
5.05	0.0132	140.16	0.1739
0.02	0.0097	142.63	0.1882
-0.04	0.0082	145.78	0.2021
-0.02	0.0090	142.52	0.2043
-0.02	0.0092	0.22	0.0812
0.02	0.0088		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0054 (CH 0503)

AZ = 93 DEGREES R = 11 FT 1.8 IN. V = 25 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 55 CHANNEL 504

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0017
5.33	0.0013	19.55	0.0081
12.31	0.0029	29.57	0.0149
16.44	0.0044	39.42	0.0209
20.51	0.0067	49.16	0.0272
20.46	0.0073	54.50	0.0307
20.47	0.0071	59.57	0.0344
27.05	0.0138	64.20	0.0385
34.69	0.0232	69.32	0.0430
34.53	0.0239	74.16	0.0476
34.53	0.0243	80.16	0.0528
39.70	0.0297	85.61	0.0578
45.90	0.0344	90.58	0.0628
45.65	0.0351	95.69	0.0683
45.62	0.0352	100.92	0.0736
50.10	0.0389	103.25	0.0764
53.47	0.0425	106.11	0.0790
53.29	0.0428	108.31	0.0814
53.21	0.0424	111.08	0.0845
50.49	0.0418	113.24	0.0869
46.14	0.0399	117.83	0.0921
46.13	0.0393	120.92	0.0958
44.97	0.0398	123.28	0.0990
38.98	0.0365	122.97	0.0993
33.99	0.0337	125.82	0.1026
33.96	0.0338	125.60	0.1028
26.83	0.0294	127.84	0.1055
21.88	0.0263	130.19	0.1086
21.90	0.0265	132.53	0.1115
16.69	0.0232	135.33	0.1153
11.74	0.0201	134.42	0.1154
11.77	0.0200	138.35	0.1203
5.05	0.0157	140.16	0.1227
0.02	0.0129	142.63	0.1263
-0.04	0.0118	145.78	0.1304
-0.02	0.0123	142.52	0.1293
-0.02	0.0124	0.22	0.0160
0.02	0.0122		

MERIDIONAL STRAIN NEAR DOME MID-HEIGHT

GAGE WR0055 (CH 0504)

AZ = 93 DEGREES R = 8 FT 8 IN. V = 31 FT 3.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 56 CHANNEL 505

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0069
5.33	0.0042	19.55	0.0157
12.31	0.0082	29.57	0.0247
16.44	0.0111	39.42	0.0331
20.51	0.0161	49.16	0.0412
20.46	0.0168	54.50	0.0463
20.47	0.0172	59.57	0.0512
27.05	0.0242	64.20	0.0564
34.69	0.0345	69.32	0.0620
34.53	0.0350	74.16	0.0680
34.53	0.0348	80.16	0.0772
39.70	0.0408	85.61	0.0846
45.90	0.0487	90.58	0.0914
45.65	0.0507	95.69	0.0986
45.62	0.0519	100.92	0.1062
50.10	0.0565	103.25	0.1097
53.47	0.0608	106.11	0.1137
53.29	0.0617	108.31	0.1171
53.21	0.0638	111.08	0.1214
50.49	0.0639	113.24	0.1244
46.14	0.0610	117.83	0.1327
46.13	0.0609	120.92	0.1382
44.97	0.0682	123.28	0.1430
38.98	0.0645	122.97	0.1433
33.99	0.0611	125.82	0.1486
33.96	0.0617	125.60	0.1490
26.83	0.0558	127.84	0.1528
21.88	0.0513	130.19	0.1574
21.90	0.0513	132.53	0.1625
16.69	0.0466	135.33	0.1691
11.74	0.0421	134.42	0.1696
11.77	0.0423	138.35	0.1771
5.05	0.0363	140.16	0.1820
0.02	0.0325	142.63	0.1891
-0.04	0.0390	145.78	0.1960
-0.02	0.0402	142.52	0.1951
-0.02	0.0406	0.22	0.0272
0.02	0.0406		

MERIDIONAL STRAIN OF DOME UPPER REGION

GAGE WR0056 (CH 0505)

AZ = 93 DEGREES R = 2 FT 2 IN. V = 35 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 57 CHANNEL 506

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0026
5.33	0.0014	19.55	0.0091
12.31	0.0032	29.57	0.0152
16.44	0.0045	39.42	0.0211
20.51	0.0067	49.16	0.0266
20.46	0.0072	54.50	0.0298
20.47	0.0081	59.57	0.0328
27.05	0.0137	64.20	0.0366
34.69	0.0216	69.32	0.0405
34.53	0.0232	74.16	0.0446
34.53	0.0237	80.16	0.0475
39.70	0.0274	85.61	0.0518
45.90	0.0325	90.58	0.0554
45.65	0.0319	95.69	0.0593
45.62	0.0316	100.92	0.0641
50.10	0.0340	103.25	0.0657
53.47	0.0365	106.11	0.0681
53.29	0.0358	108.31	0.0698
53.21	0.0359	111.08	0.0724
50.49	0.0344	113.24	0.0750
46.14	0.0323	117.83	0.0797
46.13	0.0322	120.92	0.0840
44.97	0.0324	123.28	0.0861
38.98	0.0297	122.97	0.0875
33.99	0.0279	125.92	0.0919
33.96	0.0278	125.60	0.0933
26.83	0.0247	127.84	0.0962
21.88	0.0222	130.19	0.1011
21.90	0.0227	132.53	0.1062
16.69	0.0203	135.33	0.1125
11.74	0.0177	134.42	0.1139
11.77	0.0168	138.35	0.1210
5.05	0.0127	140.16	0.1260
0.02	0.0097	142.63	0.1331
-0.04	0.0062	145.78	0.1407
-0.02	0.0069	142.52	0.1413
-0.02	0.0071	0.22	0.0333
0.02	0.0079		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0057 (CH 0506)

AZ = 168 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 58 CHANNEL 507

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0024
5.33	0.0018	19.55	0.0090
12.31	0.0040	29.57	0.0157
16.44	0.0052	39.42	0.0221
20.51	0.0070	49.16	0.0284
20.46	0.0083	54.50	0.0322
20.47	0.0085	59.57	0.0363
27.05	0.0139	64.20	0.0406
34.69	0.0215	69.32	0.0448
34.53	0.0235	74.16	0.0496
34.53	0.0240	80.16	0.0550
39.70	0.0270	85.61	0.0605
45.90	0.0332	90.58	0.0655
45.65	0.0327	95.69	0.0709
45.62	0.0324	100.92	0.0772
50.10	0.0353	103.25	0.0804
53.47	0.0384	106.11	0.0835
53.29	0.0382	108.31	0.0861
53.21	0.0380	111.08	0.0899
50.49	0.0373	113.24	0.0927
46.14	0.0347	117.83	0.0990
46.13	0.0344	120.92	0.1046
44.97	0.0360	123.28	0.1101
38.98	0.0340	122.97	0.1109
33.99	0.0314	125.82	0.1169
33.96	0.0315	125.60	0.1190
26.83	0.0280	127.84	0.1221
21.88	0.0253	130.19	0.1284
21.90	0.0256	132.53	0.1348
16.69	0.0231	135.33	0.1422
11.74	0.0208	134.42	0.1441
11.77	0.0193	138.35	0.1521
5.05	0.0153	140.16	0.1580
0.02	0.0115	142.63	0.1659
-0.04	0.0072	145.78	0.1741
-0.02	0.0075	142.52	0.1753
-0.02	0.0080	0.22	0.0500
0.02	0.0089		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0058 (CH 0507)

AZ = 167.5 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 59 CHANNEL 508

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0040
5.33	0.0010	19.55	0.0119
12.31	0.0037	29.57	0.0208
16.44	0.0054	39.42	0.0290
20.51	0.0087	49.16	0.0365
20.46	0.0096	54.50	0.0412
20.47	0.0098	59.57	0.0461
27.05	0.0156	64.20	0.0524
34.69	0.0226	69.32	0.0598
34.53	0.0239	74.16	0.0690
34.53	0.0244	80.16	0.0790
39.70	0.0273	85.61	0.0894
45.90	0.0348	90.58	0.0996
45.65	0.0343	95.69	0.1115
45.62	0.0346	100.92	0.1250
50.10	0.0384	103.25	0.1318
53.47	0.0428	106.11	0.1378
53.29	0.0432	108.31	0.1429
53.21	0.0436	111.08	0.1503
50.49	0.0428	113.24	0.1558
46.14	0.0403	117.83	0.1677
46.13	0.0403	120.92	0.1771
44.97	0.0412	123.28	0.1859
38.98	0.0383	122.97	0.1883
33.99	0.0355	125.82	0.1978
33.96	0.0354	125.60	0.2021
26.83	0.0310	127.84	0.2087
21.88	0.0277	130.19	0.2233
21.90	0.0276	132.53	0.2426
16.69	0.0243	135.33	0.2680
11.74	0.0205	134.42	0.2765
11.77	0.0188	138.35	0.3033
5.05	0.0136	140.16	0.3278
0.02	0.0095	142.63	0.3638
-0.04	0.0067	145.78	0.4023
-0.02	0.0068	142.52	0.4172
-0.02	0.0070	0.22	0.1859
0.02	0.0082		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0059 (CH 0508)

AZ = 162.5 DEGREES R = 11 FT 1.5 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 60 CHANNEL 509

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0096
5.33	0.0019	19.55	0.0243
12.31	0.0067	29.57	0.0386
16.44	0.0096	39.42	0.0524
20.51	0.0147	49.16	0.0644
20.46	0.0161	54.50	0.0719
20.47	0.0167	59.57	0.0793
27.05	0.0298	64.20	0.0875
34.69	0.0446	69.32	0.0968
34.53	0.0472	74.16	0.1069
34.53	0.0475	80.16	0.1183
39.70	0.0536	85.61	0.1291
45.90	0.0644	90.58	0.1398
45.65	0.0642	95.69	0.1515
45.62	0.0642	100.92	0.1630
50.10	0.0704	103.25	0.1688
53.47	0.0764	106.11	0.1747
53.29	0.0775	108.31	0.1789
53.21	0.0782	111.08	0.1849
50.49	0.0768	113.24	0.1895
46.14	0.0733	117.83	0.1992
46.13	0.0734	120.92	0.2061
44.97	0.0743	123.28	0.2144
38.98	0.0690	122.97	0.2167
33.99	0.0634	125.82	0.2271
33.96	0.0629	125.60	0.2301
26.83	0.0546	127.84	0.2371
21.88	0.0485	130.19	0.2493
21.90	0.0482	132.53	0.2627
16.69	0.0423	135.33	0.2818
11.74	0.0352	134.42	0.2887
11.77	0.0323	138.35	0.3183
5.05	0.0225	140.16	0.3455
0.02	0.0148	142.63	0.3854
-0.04	0.0119	145.78	0.4242
-0.02	0.0120	142.52	0.4352
-0.02	0.0122	0.22	0.2127
0.02	0.0129		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B
GAGE WR0060 (CH 0509)
AZ = 158.5 DEGREES R = 11 FT 1.5 IN. V = 12 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 61 CHANNEL 520

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0057
5.33	0.0027	19.55	0.0185
12.31	0.0075	29.57	0.0329
16.44	0.0106	39.42	0.0465
20.51	0.0141	49.16	0.0603
20.46	0.0154	54.50	0.0693
20.47	0.0160	59.57	0.0791
27.05	0.0237	64.20	0.0904
34.69	0.0356	69.32	0.0982
34.53	0.0373	74.16	0.1087
34.53	0.0377	80.16	0.1300
39.70	0.0449	85.61	0.1436
45.90	0.0575	90.58	0.1556
45.65	0.0589	95.69	0.1675
45.62	0.0591	100.92	0.1810
50.10	0.0672	103.25	0.1882
53.47	0.0744	106.11	0.1975
53.29	0.0760	108.31	0.2047
53.21	0.0761	111.08	0.2182
50.49	0.0740	113.24	0.2307
46.14	0.0694	117.83	0.2565
46.13	0.0688	120.92	0.2686
44.97	0.0687	123.28	0.2741
38.98	0.0628	122.97	0.2748
33.94	0.0568	125.82	0.2780
33.96	0.0565	125.60	0.2793
26.83	0.0482	127.84	0.2824
21.88	0.0416	130.19	0.2855
21.90	0.0416	132.53	0.2907
16.69	0.0355	135.33	0.3613
11.74	0.0292	134.42	0.4397
11.77	0.0284	138.35	0.8934
5.05	0.0205	140.16	0.9457
0.02	0.0147	142.63	1.0194
-0.04	0.0097	145.78	1.1022
-0.02	0.0098	142.52	1.1171
-0.02	0.0104	0.22	0.7289
0.02	0.0109		

MERIDIONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE WR0061 (CH 0520)

AZ = 209.97 DEGREES R = 11 FT 2.5 IN. V = 1 FT 6.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 62 CHANNEL 521

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0063
5.33	0.0015	19.55	0.0191
12.31	0.0051	29.57	0.0330
16.44	0.0072	39.42	0.0463
20.51	0.0115	49.16	0.0589
20.46	0.0120	54.50	0.0661
20.47	0.0123	59.57	0.0742
27.05	0.0232	64.20	0.0831
34.69	0.0393	69.32	0.0907
34.53	0.0410	74.16	0.1014
34.53	0.0413	80.16	0.1218
39.70	0.0493	85.61	0.1349
45.90	0.0609	90.58	0.1463
45.65	0.0611	95.69	0.1582
45.62	0.0612	100.92	0.1701
50.10	0.0675	103.25	0.1763
53.47	0.0731	106.11	0.1826
53.29	0.0733	108.31	0.1878
53.21	0.0730	111.08	0.1942
50.49	0.0708	113.24	0.1987
46.14	0.0667	117.83	0.2087
46.13	0.0658	120.92	0.2124
44.97	0.0654	123.28	0.2143
38.98	0.0602	122.97	0.2139
33.99	0.0542	125.82	0.2147
33.96	0.0546	125.60	0.2136
26.83	0.0463	127.84	0.2143
21.88	0.0406	130.19	0.2144
21.90	0.0408	132.53	0.2097
16.69	0.0350	135.33	0.2038
11.74	0.0288	134.42	0.2309
11.77	0.0281	138.35	0.5329
5.05	0.0209	140.16	0.7686
0.02	0.0153	142.63	0.8922
-0.04	0.0128	145.78	0.9830
-0.02	0.0128	142.52	1.0115
-0.02	0.0123	0.22	0.6516
0.02	0.0126		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0062 (CH 0521)

AZ = 209.97 DEGREES R = 11 FT 2 IN. V = 2 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 63 CHANNEL 522

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0022
5.33	0.0003	19.55	0.0106
12.31	0.0022	29.57	0.0197
16.44	0.0036	39.42	0.0276
20.51	0.0062	49.16	0.0357
20.46	0.0068	54.50	0.0404
20.47	0.0069	59.57	0.0459
27.05	0.0132	64.20	0.0516
34.69	0.0242	69.32	0.0575
34.53	0.0264	74.16	0.0647
34.53	0.0268	80.16	0.0815
39.70	0.0322	85.61	0.0932
45.90	0.0404	90.58	0.1049
45.65	0.0416	95.69	0.1187
45.62	0.0418	100.92	0.1337
50.10	0.0457	103.25	0.1413
53.47	0.0498	106.11	0.1493
53.29	0.0503	108.31	0.1552
53.21	0.0504	111.08	0.1635
50.49	0.0496	113.24	0.1688
46.14	0.0475	117.83	0.1794
46.13	0.0467	120.92	0.1869
44.97	0.0476	123.28	0.1929
38.98	0.0445	122.97	0.1938
33.99	0.0410	125.82	0.1978
33.96	0.0411	125.60	0.1975
26.83	0.0359	127.84	0.1989
21.88	0.0326	130.19	0.1997
21.90	0.0327	132.53	0.2008
16.69	0.0287	135.33	0.2036
11.74	0.0242	134.42	0.2023
11.77	0.0242	138.35	0.2085
5.05	0.0193	140.16	0.2127
0.02	0.0151	142.63	0.2197
-0.04	0.0130	145.78	0.2240
-0.02	0.0129	142.52	0.2217
-0.02	0.0127	0.22	0.0134
0.02	0.0125		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0063 (CH 0522)

AZ = 209.97 DEGREES R = 11 FT 2.3 IN. V = 2 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 64 CHANNEL 523

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0043
5.33	0.0029	19.55	0.0122
12.31	0.0066	29.57	0.0204
16.44	0.0091	39.42	0.0278
20.51	0.0127	49.16	0.0350
20.46	0.0129	54.50	0.0391
20.47	0.0129	59.57	0.0442
27.05	0.0195	64.20	0.0489
34.69	0.0286	69.32	0.0538
34.53	0.0287	74.16	0.0591
34.53	0.0291	80.16	0.0644
39.70	0.0335	85.61	0.0695
45.90	0.0402	90.58	0.0745
45.65	0.0402	95.69	0.0809
45.62	0.0403	100.92	0.0888
50.10	0.0446	103.25	0.0920
53.47	0.0479	106.11	0.0958
53.29	0.0478	108.31	0.0991
53.21	0.0480	111.08	0.1036
50.49	0.0469	113.24	0.1074
46.14	0.0443	117.83	0.1159
46.13	0.0441	120.92	0.1214
44.97	0.0451	123.28	0.1274
38.98	0.0411	122.97	0.1289
33.99	0.0379	125.82	0.1366
33.96	0.0376	125.60	0.1375
26.83	0.0322	127.84	0.1421
21.88	0.0280	130.19	0.1522
21.90	0.0280	132.53	0.1670
16.69	0.0240	135.33	0.1855
11.74	0.0194	134.42	0.1882
11.77	0.0189	138.35	0.2062
5.05	0.0141	140.16	0.2044
0.02	0.0094	142.63	0.1993
-0.04	0.0090	145.78	0.2236
-0.02	0.0083	142.52	0.2324
-0.02	0.0084	0.22	0.0893
0.02	0.0079		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0064 (CH 0523)

AZ = 213 DEGREES R = 11 FT 1.8 IN. V = 24 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 65 CHANNEL 524

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0033
5.33	0.0018	19.55	0.0116
12.31	0.0044	29.57	0.0191
16.44	0.0066	39.42	0.0262
20.51	0.0101	49.16	0.0340
20.46	0.0105	54.50	0.0377
20.47	0.0109	59.57	0.0422
27.05	0.0186	64.20	0.0465
34.69	0.0284	69.32	0.0519
34.53	0.0295	74.16	0.0571
34.53	0.0298	80.16	0.0632
39.70	0.0341	85.61	0.0689
45.90	0.0408	90.58	0.0747
45.65	0.0414	95.69	0.0812
45.62	0.0416	100.92	0.0879
50.10	0.0452	103.25	0.0905
53.47	0.0492	106.11	0.0949
53.29	0.0494	108.31	0.0977
53.21	0.0500	111.08	0.1022
50.49	0.0490	113.24	0.1051
46.14	0.0466	117.83	0.1125
46.13	0.0469	120.92	0.1176
44.97	0.0475	123.28	0.1233
38.98	0.0435	122.97	0.1252
33.99	0.0406	125.82	0.1306
33.96	0.0404	125.60	0.1314
26.83	0.0355	127.84	0.1350
21.88	0.0322	130.19	0.1416
21.90	0.0319	132.53	0.1518
16.69	0.0283	135.33	0.1677
11.74	0.0239	134.42	0.1708
11.77	0.0235	138.35	0.1971
5.05	0.0184	140.16	0.2212
0.02	0.0139	142.63	0.2710
-0.04	0.0144	145.78	0.3233
-0.02	0.0135	142.52	0.3356
-0.02	0.0139	0.22	0.2000
0.02	0.0136		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0065 (CH 0524)

AZ = 213 DEGREES R = 11 FT 2 IN. V = 25 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 66 CHANNEL 525

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0031
5.33	0.0028	19.55	0.0087
12.31	0.0059	29.57	0.0150
16.44	0.0085	39.42	0.0209
20.51	0.0128	49.16	0.0258
20.46	0.0134	54.50	0.0291
20.47	0.0140	59.57	0.0315
27.05	0.0224	64.20	0.0349
34.69	0.0284	69.32	0.0383
34.53	0.0284	74.16	0.0425
34.53	0.0284	80.16	0.0473
39.70	0.0318	85.61	0.0545
45.90	0.0348	90.58	0.0617
45.65	0.0345	95.69	0.0698
45.62	0.0341	100.92	0.0798
50.10	0.0352	103.25	0.0854
53.47	0.0377	106.11	0.0910
53.29	0.0375	108.31	0.0958
53.21	0.0374	111.08	0.1030
50.49	0.0361	113.24	0.1098
46.14	0.0337	117.83	0.1275
46.13	0.0340	120.92	0.1447
44.97	0.0363	123.28	0.1638
38.98	0.0327	122.97	0.1711
33.99	0.0305	125.82	0.1926
33.96	0.0298	125.60	0.2028
26.83	0.0256	127.84	0.2147
21.88	0.0222	130.19	0.2405
21.90	0.0220	132.53	0.2710
16.69	0.0181	135.33	0.3073
11.74	0.0148	134.42	0.3194
11.77	0.0137	138.35	0.3548
5.05	0.0086	140.16	0.3841
0.02	0.0046	142.63	0.4207
-0.04	0.0047	145.78	0.4541
-0.02	0.0059	142.52	0.4654
-0.02	0.0053	0.22	0.3146
0.02	0.0044		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-B
 GAGE WR0066 (CH 0525)

AZ = 263 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 67 CHANNEL 526

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0136
5.33	0.0058	19.55	0.0309
12.31	0.0121	29.57	0.0487
16.44	0.0160	39.42	0.0653
20.51	0.0220	49.16	0.0817
20.46	0.0232	54.50	0.0907
20.47	0.0232	59.57	0.1567
27.05	0.0404	64.20	0.1892
34.69	0.0572	69.32	0.3021
34.53	0.0582	74.15	0.3470
34.53	0.0585	80.10	0.35
39.70	0.0677	85.61	0.2383
45.90	0.0811	90.58	0.2472
45.65	0.0808	95.69	0.1860
45.62	0.0804	100.92	0.2067
50.10	0.0872	103.25	0.2098
53.47	0.0925	106.11	0.2225
53.29	0.0928	108.31	0.2307
53.21	0.0927	111.08	0.2411
50.49	0.0888	113.24	0.2459
46.14	0.0822	117.83	0.2616
46.13	0.0818	120.92	0.2628
44.97	0.0859	123.28	0.4098
38.98	0.0754	122.97	0.4691
33.99	0.0678	125.82	0.7917
33.96	0.0675	125.60	0.8985
26.83	0.0561	127.84	0.9772
21.88	0.0479	130.19	1.0079
21.90	0.0480	132.53	1.0314
16.69	0.0413	135.33	1.3607
11.74	0.0299	134.42	1.3792
11.77	0.0296	138.35	1.4067
5.05	0.0186	140.16	1.4205
0.02	0.0116	142.63	1.4918
-0.04	0.0115	145.78	1.5892
-0.02	0.0120	142.52	1.6065
-0.02	0.0121	0.22	1.1719
0.02	0.0103		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-B

GAGE WR0067 (CH 0526)

AZ = 262.23 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 68 CHANNEL 527

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0059
5.33	0.0017	19.55	0.0159
12.31	0.0051	29.57	0.0270
16.44	0.0072	39.42	0.0375
20.51	0.0103	49.16	0.0472
20.46	0.0109	54.50	0.0531
20.47	0.0110	59.57	0.0592
27.05	0.0176	64.20	0.0659
34.69	0.0293	69.32	0.0727
34.53	0.0306	74.16	0.0807
34.53	0.0308	80.16	0.0905
39.70	0.0371	85.61	0.1007
45.90	0.0473	90.58	0.1095
45.65	0.0477	95.69	0.1198
45.62	0.0482	100.92	0.1303
50.10	0.0539	103.25	0.1351
53.47	0.0594	106.11	0.1406
53.29	0.0598	108.31	0.1448
53.21	0.0599	111.08	0.1518
50.49	0.0588	113.24	0.1578
46.14	0.0556	117.83	0.1699
46.13	0.0555	120.92	0.1792
44.97	0.0566	123.28	0.1888
38.98	0.0515	122.97	0.1912
33.99	0.0470	125.82	0.2044
33.96	0.0471	125.60	0.2075
26.83	0.0398	127.84	0.2170
21.88	0.0354	130.19	0.2364
21.90	0.0352	132.53	0.2669
16.69	0.0301	135.33	0.3120
11.74	0.0256	134.42	0.3180
11.77	0.0252	138.35	0.3581
5.05	0.0183	140.16	0.3937
0.02	0.0135	142.63	0.4585
-0.04	0.0123	145.78	0.5233
-0.02	0.0115	142.52	0.5452
-0.02	0.0116	0.22	0.3153
0.02	0.0117		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-B
 GAGE WR0068 (CH 0527)
 AZ = 258 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 69 CHANNEL 528

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0068
5.33	0.0028	19.55	0.0170
12.31	0.0061	29.57	0.0269
16.44	0.0087	39.42	0.0363
20.51	0.0136	49.16	0.0454
20.46	0.0149	54.50	0.0505
20.47	0.0154	59.57	0.0560
27.05	0.0254	64.20	0.0619
34.69	0.0354	69.32	0.0681
34.53	0.0359	74.16	0.0744
34.53	0.0358	80.16	0.0801
39.70	0.0415	85.61	0.0878
45.90	0.0495	90.58	0.0949
45.65	0.0495	95.69	0.1033
45.62	0.0493	100.92	0.1131
50.10	0.0546	103.25	0.1185
53.47	0.0594	106.11	0.1243
53.29	0.0601	108.31	0.1284
53.21	0.0598	111.08	0.1347
50.49	0.0584	113.24	0.1395
46.14	0.0556	117.83	0.1501
46.13	0.0561	120.92	0.1596
44.97	0.0585	123.28	0.1711
38.98	0.0540	122.97	0.1758
33.99	0.0496	125.82	0.1931
33.96	0.0491	125.60	0.2014
26.83	0.0426	127.84	0.2124
21.88	0.0378	130.19	0.2339
21.90	0.0377	132.53	0.2570
16.69	0.0322	135.33	0.2868
11.74	0.0271	134.42	0.2972
11.77	0.0269	138.35	0.3267
5.05	0.0199	140.16	0.3515
0.02	0.0143	142.63	0.3836
-0.04	0.0138	145.78	0.4196
-0.02	0.0145	142.52	0.4410
-0.02	0.0136	0.22	0.2451
0.02	0.0135		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE WR0069 (CH 0528)
AZ = 305.48 DEGREES R = 11 FT 2.3 IN. V = 1 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 70 CHANNEL 529

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0045
5.33	0.0016	19.55	0.0126
12.31	0.0057	29.57	0.0212
16.44	0.0088	39.42	0.0298
20.51	0.0124	49.16	0.0383
20.46	0.0128	54.50	0.0430
20.47	0.0130	59.57	0.0466
27.05	0.0191	64.20	0.0511
34.69	0.0268	69.32	0.0561
34.53	0.0268	74.16	0.0605
34.53	0.0263	80.16	0.0658
39.70	0.0310	85.61	0.0713
45.90	0.0369	90.58	0.0764
45.65	0.0361	95.69	0.0828
45.62	0.0365	100.92	0.0889
50.10	0.0402	103.25	0.0914
53.47	0.0429	106.11	0.0941
53.29	0.0432	108.31	0.0964
53.21	0.0428	111.08	0.0999
50.49	0.0413	113.24	0.1028
46.14	0.0386	117.83	0.1076
46.13	0.0384	120.92	0.1111
44.97	0.0391	123.28	0.1137
38.98	0.0348	122.97	0.1146
33.99	0.0297	125.82	0.1184
33.96	0.0295	125.60	0.1198
26.83	0.0226	127.84	0.1221
21.88	0.0178	130.19	0.1285
21.90	0.0172	132.53	0.1369
16.69	0.0121	135.33	0.1476
11.74	0.0071	134.42	0.1477
11.77	0.0064	138.35	0.1673
5.05	-0.0005	140.16	0.1858
0.02	-0.0058	142.63	0.2080
-0.04	-0.0023	145.78	0.2256
-0.02	-0.0008	142.52	0.2258
-0.02	-0.0037	0.22	0.0869
0.02	-0.0053		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0070 (CH 0529)

AZ = 305.5 DEGREES R = 11 FT 1.5 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 71 CHANNEL 540

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0017
5.33	0.0002	19.55	0.0075
12.31	0.0004	29.57	0.0129
16.44	-0.0011	39.42	0.0177
20.51	-0.0068	49.16	0.0226
20.46	-0.0265	54.50	0.0251
20.47	-0.0306	59.57	0.0281
27.05	-0.0319	64.20	0.0320
34.69	-0.0238	69.32	0.0362
34.53	-0.0228	74.16	0.0404
34.53	-0.0230	80.16	0.0453
39.70	-0.0224	85.61	0.0504
45.90	-0.0188	90.58	0.0549
45.65	-0.0200	95.69	0.0601
45.62	-0.0241	100.92	0.0662
50.10	-0.0271	103.25	0.0692
53.47	-0.0267	106.11	0.0724
53.29	-0.0445	108.31	0.0746
53.21	-0.0649	111.08	0.0782
50.49	-0.0868	113.24	0.0809
46.14	-0.0879	117.83	0.0870
46.13	-0.0857	120.92	0.0910
44.97	-0.0499	123.28	0.0952
38.98	-0.0512	122.97	0.0964
33.99	-0.0606	125.82	0.1000
33.96	-0.1322	125.60	0.1009
26.83	-0.1187	127.84	0.1030
21.88	-0.1186	130.19	0.1061
21.90	-0.1183	132.53	0.1090
16.69	-0.1209	135.33	0.1140
11.74	-0.1228	134.42	0.1138
11.77	-0.1460	138.35	0.1207
5.05	-0.1557	140.16	0.1284
0.02	-0.1484	142.63	0.1422
-0.04	-0.0943	145.78	0.1614
-0.02	-0.2635	142.52	0.1654
-0.02	-0.1607	0.22	0.0408
0.02	-0.1226		

MERIDIONAL STRAIN OF CYLINDER WALL 10 DEG. FROM CONSTRAINED PENETRATION
 GAGE WR0071 (CH 0540)
 AZ = 305 DEGREES R = 11 FT 1.5 IN. V = 20 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 72 CHANNEL 541

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	-0.0016
5.33	0.0000	19.55	0.0011
12.31	0.0012	29.57	0.0034
16.44	0.0014	39.42	0.0057
20.51	0.0027	49.16	0.0081
20.46	0.0026	54.50	0.0099
20.47	0.0025	59.57	0.0113
27.05	0.0048	64.20	0.0129
34.69	0.0070	69.32	0.0153
34.53	0.0079	74.16	0.0170
34.53	0.0082	80.16	0.0190
39.70	0.0094	85.61	0.0215
45.90	0.0118	90.58	0.0237
45.65	0.0121	95.69	0.0257
45.62	0.0122	100.92	0.0288
50.10	0.0133	103.25	0.0297
53.47	0.0148	106.11	0.0309
53.29	0.0147	108.31	0.0323
53.21	0.0146	111.08	0.0333
50.49	0.0144	113.24	0.0347
46.14	0.0136	117.83	0.0369
46.13	0.0142	120.92	0.0392
44.97	0.0142	123.28	0.0408
38.98	0.0136	122.97	0.0413
33.99	0.0123	125.82	0.0431
33.96	0.0128	125.60	0.0435
26.83	0.0108	127.84	0.0445
21.88	0.0097	130.19	0.0460
21.90	0.0097	132.53	0.0480
16.69	0.0087	135.33	0.0513
11.74	0.0075	134.42	0.0517
11.77	0.0072	138.35	0.0576
5.05	0.0057	140.16	0.0622
0.02	0.0042	142.63	0.0697
-0.04	0.0034	145.78	0.0790
-0.02	0.0046	142.52	0.0820
-0.02	0.0036	0.22	0.0244
0.02	0.0041		

MERIDIONAL STRAIN OF CYLINDER WALL 3 DEG. FROM CONSTRAINED PENETRATION
 GAGE WR0072 (CH 0541)
 AZ = 312 DEGREES R = 11 FT 1.5 IN. V = 20 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 73 CHANNEL 542

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0016
5.33	0.0003	19.55	0.0016
12.31	0.0014	29.57	0.0049
16.44	0.0018	39.42	0.0080
20.51	0.0031	49.16	0.0112
20.46	0.0030	54.50	0.0128
20.47	0.0036	59.57	0.0148
27.05	0.0064	64.20	0.0167
34.69	0.0096	69.32	0.0188
34.53	0.0096	74.16	0.0218
34.53	0.0100	80.16	0.0240
39.70	0.0115	85.61	0.0268
45.90	0.0143	90.58	0.0292
45.65	0.0145	95.69	0.0313
45.62	0.0146	100.92	0.0346
50.10	0.0162	103.25	0.0359
53.47	0.0178	106.11	0.0372
53.29	0.0178	108.31	0.0384
53.21	0.0181	111.08	0.0401
50.49	0.0174	113.24	0.0413
46.14	0.0165	117.83	0.0445
46.13	0.0163	120.92	0.0464
44.97	0.0164	123.28	0.0484
38.98	0.0154	122.97	0.0487
33.99	0.0142	125.82	0.0501
33.96	0.0141	125.60	0.0507
26.83	0.0115	127.84	0.0512
21.88	0.0103	130.19	0.0543
21.90	0.0101	132.53	0.0570
16.69	0.0088	135.33	0.0606
11.74	0.0075	134.42	0.0612
11.77	0.0074	138.35	0.0654
5.05	0.0053	140.16	0.0698
0.02	0.0036	142.63	0.0766
-0.04	0.0028	145.78	0.0845
-0.02	0.0033	142.52	0.0869
-0.02	0.0032	0.22	0.0314
0.02	0.0031		

MERIDIONAL STRAIN OF CYLINDER WALL 2 DEG. FROM CONSTRAINED PENETRATION
 GAGE WR0073 (CH 0542)

AZ = 313 DEGREES R = 11 FT 1.5 IN. V = 20 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 74 CHANNEL 543

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0061
5.33	0.0031	19.55	0.0167
12.31	0.0069	29.57	0.0276
16.44	0.0090	39.42	0.0385
20.51	0.0127	49.16	0.0492
20.46	0.0132	54.50	0.0555
20.47	0.0137	59.57	0.0617
27.05	0.0209	64.20	0.0704
34.69	0.0309	69.32	0.0793
34.53	0.0318	74.16	0.0914
34.53	0.0321	80.16	0.1066
39.70	0.0382	85.61	0.1193
45.90	0.0489	90.58	0.1295
45.65	0.0499	95.69	0.1397
45.62	0.0502	100.92	0.1488
50.10	0.0564	103.25	0.1516
53.47	0.0618	106.11	0.1533
53.29	0.0623	108.31	0.1539
53.21	0.0625	111.08	0.1526
50.49	0.0605	113.24	0.1512
46.14	0.0569	117.83	0.1481
46.13	0.0564	120.92	0.1481
44.97	0.0578	123.28	0.1492
38.98	0.0531	122.97	0.1492
33.99	0.0483	125.82	0.1506
33.96	0.0478	125.60	0.1515
26.83	0.0407	127.84	0.1540
21.88	0.0357	130.19	0.1537
21.90	0.0352	132.53	0.1522
16.69	0.0299	135.33	0.1568
11.74	0.0249	134.42	0.1564
11.77	0.0245	138.35	0.1617
5.05	0.0176	140.16	0.1740
0.02	0.0124	142.63	0.2346
-0.04	0.0087	145.78	0.3599
-0.02	0.0105	142.52	0.4686
-0.02	0.0109	0.22	0.1847
0.02	0.0109		

MERIDIONAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0074 (CH 0543)

AZ = 332.77 DEGREES R = 11 FT 2 IN. V = 1 FT 5.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 75 CHANNEL 544

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0103
5.33	0.0035	19.55	0.0255
12.31	0.0081	29.57	0.0414
16.44	0.0111	39.42	0.0565
20.51	0.0175	49.16	0.0711
20.46	0.0193	54.50	0.0785
20.47	0.0212	59.57	0.0870
27.05	0.0323	64.20	0.0972
34.69	0.0487	69.32	0.1078
34.53	0.0483	74.16	0.1222
34.53	0.0451	80.16	0.1373
39.70	0.0494	85.61	0.1515
45.90	0.0605	90.58	0.1622
45.65	0.0599	95.69	0.1748
45.62	0.0595	100.92	0.1887
50.10	0.0663	103.25	0.1945
53.47	0.0719	106.11	0.2012
53.29	0.0725	108.31	0.2060
53.21	0.0730	111.08	0.2134
50.19	0.0705	113.24	0.2186
46.14	0.0656	117.83	0.2282
46.13	0.0654	120.92	0.2299
44.97	0.0774	123.28	0.2326
38.98	0.0704	122.97	0.2343
33.99	0.0645	125.82	0.2364
33.96	0.0630	125.60	0.2395
26.83	0.0538	127.84	0.2427
21.88	0.0467	130.19	0.2440
21.90	0.0464	132.53	0.2460
16.69	0.0394	135.33	0.2430
11.74	0.0330	134.42	0.2508
11.77	0.0322	138.35	0.2693
5.05	0.0229	140.16	0.9386
0.02	0.0162	142.63	1.0789
-0.04	0.0026	145.78	1.2052
-0.02	0.0085	142.52	1.2220
-0.02	0.0092	0.22	0.8252
0.02	0.0091		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0075 (CH 0544)

AZ = 332.77 DEGREES R = 11 FT 1.5 IN. V = 2 FT 0.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 76 CHANNEL 545

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0053
5.33	0.0019	19.55	0.0175
12.31	0.0047	29.57	0.0297
16.44	0.0061	39.42	0.0418
20.51	0.0094	49.16	0.0533
20.46	0.0106	54.50	0.0603
20.47	0.0105	59.57	0.0673
27.05	0.0194	64.20	0.0768
34.69	0.0335	69.32	0.0862
34.53	0.0349	74.16	0.0997
34.53	0.0358	80.16	0.1157
39.70	0.0429	85.61	0.1301
45.90	0.0552	90.58	0.1413
45.65	0.0564	95.69	0.1554
45.62	0.0566	100.92	0.1697
50.10	0.0632	103.25	0.1774
53.47	0.0686	106.11	0.1844
53.29	0.0695	108.31	0.1896
53.21	0.0696	111.08	0.1969
50.49	0.0680	113.24	0.2022
46.14	0.0640	117.83	0.2133
46.13	0.0639	120.92	0.2192
44.97	0.0670	123.28	0.2246
38.98	0.0614	122.97	0.2259
33.99	0.0565	125.82	0.2311
33.96	0.0559	125.60	0.2329
26.83	0.0485	127.84	0.2347
21.88	0.0427	130.19	0.2344
21.90	0.0424	132.53	0.2354
16.69	0.0365	135.33	0.2350
11.74	0.0308	134.42	0.2338
11.77	0.0301	138.35	0.2384
5.05	0.0229	140.16	0.2428
0.02	0.0179	142.63	0.3441
-0.04	0.0150	145.78	0.6394
-0.02	0.0165	142.52	0.7663
-0.02	0.0164	0.22	0.4621
0.02	0.0160		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0076 (CH 0545)

AZ = 332.77 DEGREES R = 11 FT 1.8 IN. V = 2 FT 4.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 77 CHANNEL 546

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0038
5.33	0.0035	19.55	0.0121
12.31	0.0080	29.57	0.0206
16.44	0.0106	39.42	0.0285
20.51	0.0146	49.16	0.0361
20.46	0.0146	54.50	0.0401
20.47	0.0144	59.57	0.0449
27.05	0.0207	64.20	0.0496
34.69	0.0291	69.32	0.0552
34.53	0.0291	74.16	0.0608
34.53	0.0295	80.16	0.0654
39.70	0.0335	85.61	0.0723
45.90	0.0404	90.58	0.0784
45.65	0.0403	95.69	0.0845
45.62	0.0401	100.92	0.0921
50.10	0.0438	103.25	0.0948
53.47	0.0471	106.11	0.0988
53.29	0.0469	108.31	0.1020
53.21	0.0473	111.08	0.1061
50.49	0.0459	113.24	0.1087
46.14	0.0431	117.83	0.1166
46.13	0.0431	120.92	0.1214
44.97	0.0434	123.28	0.1264
38.98	0.0396	122.97	0.1277
33.99	0.0360	125.82	0.1339
33.96	0.0358	125.60	0.1355
26.83	0.0301	127.84	0.1388
21.88	0.0256	130.19	0.1450
21.90	0.0258	132.53	0.1537
16.69	0.0212	135.33	0.1688
11.74	0.0166	134.42	0.1709
11.77	0.0167	138.35	0.1954
5.05	0.0109	140.16	0.2140
0.02	0.0065	142.63	0.2451
-0.04	0.0067	145.78	0.2571
-0.02	0.0066	142.52	0.2533
-0.02	0.0063	0.22	0.1109
0.02	0.0067		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0077 (CH 0546)

AZ = 332.5 DEGREES R = 11 FT 1.9 IN. V = 24 FT 2.3 IN.

Pressure (psig)-Channel #2

[Illegible text]

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0078 (CH 0547)

AZ = 332.5 DEGREES R = 11 FT 1.9 IN. V = 25 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 79 CHANNEL 548

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0030
5.33	0.0021	19.55	0.0094
12.31	0.0051	29.57	0.0155
16.44	0.0070	39.42	0.0208
20.51	0.0099	49.16	0.0264
20.46	0.0105	54.50	0.0287
20.47	0.0111	59.57	0.0309
27.05	0.0175	64.20	0.0334
34.69	0.0239	69.32	0.0362
34.53	0.0238	74.16	0.0385
34.53	0.0233	80.16	0.0386
39.70	0.0262	85.61	0.0415
45.90	0.0303	90.58	0.0440
45.65	0.0288	95.69	0.0461
45.62	0.0285	100.92	0.0492
50.10	0.0312	103.25	0.0498
53.47	0.0324	106.11	0.0520
53.29	0.0324	108.31	0.0533
53.21	0.0314	111.08	0.0549
50.49	0.0301	113.24	0.0564
46.14	0.0268	117.83	0.0607
46.13	0.0266	120.92	0.0635
44.97	0.0279	123.28	0.0658
38.98	0.0249	122.97	0.0666
33.99	0.0212	125.82	0.0706
33.96	0.0214	125.60	0.0719
26.83	0.0172	127.84	0.0750
21.88	0.0141	130.19	0.0791
21.90	0.0143	132.53	0.0851
16.69	0.0114	135.33	0.0917
11.74	0.0085	134.42	0.0920
11.77	0.0082	138.35	0.0997
5.05	0.0047	140.16	0.1032
0.02	0.0015	142.63	0.1064
-0.04	0.0008	145.78	0.1089
-0.02	0.0032	142.52	0.1041
-0.02	0.0041	0.22	0.0142
0.02	0.0034		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WR0079 (CH 0548)

AZ = 348 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 80 CHANNEL 549

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0049
5.33	0.0030	19.55	0.0124
12.31	0.0071	29.57	0.0205
16.44	0.0098	39.42	0.0289
20.51	0.0141	49.16	0.0367
20.46	0.0153	54.50	0.0413
20.47	0.0160	59.57	0.0455
27.05	0.0234	64.20	0.0498
34.69	0.0318	69.32	0.0538
34.53	0.0312	74.16	0.0574
34.53	0.0315	80.16	0.0599
39.70	0.0351	85.61	0.0647
45.90	0.0393	90.58	0.0694
45.65	0.0389	95.69	0.0755
45.62	0.0384	100.92	0.0817
50.10	0.0414	103.25	0.0855
53.47	0.0435	106.11	0.0890
53.29	0.0436	108.31	0.0916
53.21	0.0432	111.08	0.0963
50.49	0.0414	113.24	0.0996
46.14	0.0381	117.83	0.1069
46.13	0.0381	120.92	0.1136
44.97	0.0429	123.28	0.1213
38.98	0.0385	122.97	0.1242
33.99	0.0344	125.82	0.1320
33.96	0.0338	125.60	0.1364
26.83	0.0285	127.84	0.1414
21.88	0.0243	130.19	0.1508
21.90	0.0239	132.53	0.1624
16.59	0.0198	135.33	0.1820
11.74	0.0157	134.42	0.1894
11.77	0.0148	138.35	0.2151
5.05	0.0096	140.16	0.2401
0.02	0.0061	142.63	0.2744
-0.04	0.0033	145.78	0.3084
-0.02	0.0071	142.52	0.3260
-0.02	0.0077	0.22	0.1492
0.02	0.0071		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0080 (CH 0549)

AZ = 348 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 81 CHANNEL 560

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0014	9.89	0.0029
5.33	0.0029	19.55	0.0102
12.31	0.0060	29.57	0.0177
16.44	0.0075	39.42	0.0257
20.51	0.0102	49.16	0.0334
20.46	0.0103	54.50	0.0381
20.47	0.0103	59.57	0.0425
27.05	0.0147	64.20	0.0488
34.69	0.0201	69.32	0.0557
34.53	0.0208	74.16	0.0623
34.53	0.0205	80.16	0.0705
39.70	0.0245	85.61	0.0782
45.90	0.0313	90.58	0.0860
45.65	0.0316	95.69	0.0950
45.62	0.0320	100.92	0.1052
50.10	0.0355	103.25	0.1115
53.47	0.0399	106.11	0.1180
53.29	0.0403	108.31	0.1229
53.21	0.0405	111.08	0.1314
50.49	0.0397	113.24	0.1375
46.14	0.0374	117.83	0.1531
46.13	0.0374	120.92	0.1659
44.97	0.0385	123.28	0.1791
38.98	0.0357	122.97	0.1836
33.99	0.0324	125.82	0.1961
33.96	0.0323	125.60	0.2025
26.83	0.0279	127.84	0.2095
21.88	0.0240	130.19	0.2218
21.90	0.0243	132.53	0.2375
16.69	0.0204	135.33	0.2595
11.74	0.0172	134.42	0.2661
11.77	0.0161	138.35	0.2939
5.05	0.0123	140.16	0.3207
0.02	0.0089	142.63	0.3647
-0.04	0.0074	145.78	0.4169
-0.02	0.0086	142.52	0.4412
-0.02	0.0086	0.22	0.2372
0.02	0.0078		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0081 (CH 0560)

AZ = 342.5 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 82 CHANNEL 561

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0022
5.33	0.0010	19.55	0.0096
12.31	0.0031	29.57	0.0176
16.44	0.0047	39.42	0.0250
20.51	0.0069	49.16	0.0323
20.46	0.0076	54.50	0.0364
20.47	0.0073	59.57	0.0405
27.05	0.0123	64.20	0.0460
34.69	0.0204	69.32	0.0507
34.53	0.0211	74.16	0.0552
34.53	0.0207	80.16	0.0612
39.70	0.0248	85.61	0.0676
45.90	0.0312	90.58	0.0728
45.65	0.0313	95.69	0.0790
45.62	0.0315	100.92	0.0859
50.10	0.0351	103.25	0.0889
53.47	0.0386	106.11	0.0923
53.29	0.0387	108.31	0.0950
53.21	0.0391	111.08	0.0992
50.49	0.0382	113.24	0.1022
46.14	0.0353	117.83	0.1090
46.13	0.0351	120.92	0.1142
44.97	0.0356	123.28	0.1195
38.98	0.0323	122.97	0.1206
33.99	0.0283	125.82	0.1273
33.96	0.0276	125.60	0.1288
26.83	0.0228	127.84	0.1330
21.88	0.0194	130.19	0.1411
21.90	0.0193	132.53	0.1505
16.69	0.0149	135.33	0.1636
11.74	0.0112	134.42	0.1653
11.77	0.0104	138.35	0.1782
5.05	0.0067	140.16	0.1906
0.02	0.0038	142.63	0.2069
-0.04	0.0035	145.78	0.2262
-0.02	0.0046	142.52	0.2351
-0.02	0.0038	0.22	0.0961
0.02	0.0020

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 83 CHANNEL 562

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0016
5.33	0.0008	19.55	0.0005
12.31	0.0013	29.57	0.0026
16.44	0.0021	39.42	0.0049
20.51	0.0022	49.16	0.0075
20.46	0.0032	54.50	0.0093
20.47	0.0034	59.57	0.0109
27.05	0.0047	64.20	0.0127
34.69	0.0077	69.32	0.0150
34.53	0.0089	74.16	0.0192
34.53	0.0084	80.16	0.0241
39.70	0.0101	85.61	0.0273
45.90	0.0135	90.58	0.0302
45.65	0.0142	95.69	0.0336
45.62	0.0146	100.92	0.0386
50.10	0.0157	103.25	0.0414
53.47	0.0174	106.11	0.0438
53.29	0.0175	108.31	0.0455
53.21	0.0181	111.08	0.0478
50.49	0.0177	113.24	0.0493
46.14	0.0167	117.83	0.0533
46.13	0.0168	120.92	0.0565
44.97	0.0174	123.28	0.0596
38.98	0.0163	122.97	0.0604
33.99	0.0154	125.82	0.0631
33.96	0.0146	125.60	0.0646
26.83	0.0135	127.84	0.0664
21.88	0.0126	130.19	0.0691
21.90	0.0123	132.53	0.0730
16.69	0.0113	135.33	0.0774
11.74	0.0099	134.42	0.0797
11.77	0.0100	138.35	0.0868
5.05	0.0082	140.16	0.0921
0.02	0.0071	142.63	0.1014
-0.04	0.0064	145.78	0.1093
-0.02	0.0063	142.52	0.1132
-0.02	0.0063	0.22	0.0445
0.02	0.0066		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0083 (CH 0562)

AZ = 44 DEGREES R = 11 FT 2.3 IN. V = 4 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 84 CHANNEL 563

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0054
5.33	0.0017	19.55	0.0149
12.31	0.0053	29.57	0.0250
16.44	0.0082	39.42	0.0340
20.51	0.0127	49.16	0.0427
20.46	0.0134	54.50	0.0482
20.47	0.0140	59.57	0.0533
27.05	0.0216	64.20	0.0590
34.69	0.0319	69.32	0.0655
34.53	0.0336	74.16	0.0726
34.53	0.0335	80.16	0.0803
39.70	0.0394	85.61	0.0878
45.90	0.0472	90.58	0.0946
45.65	0.0479	95.69	0.1023
45.62	0.0482	100.92	0.1107
50.10	0.0529	103.25	0.1146
53.47	0.0568	106.11	0.1187
53.29	0.0569	108.31	0.1217
53.21	0.0574	111.08	0.1266
50.49	0.0558	113.24	0.1305
46.14	0.0523	117.83	0.1374
46.13	0.0525	120.92	0.1434
44.97	0.0527	123.28	0.1479
38.96	0.0480	122.97	0.1482
33.99	0.0444	125.82	0.1533
33.96	0.0441	125.60	0.1535
26.83	0.0381	127.84	0.1573
21.88	0.0338	130.19	0.1636
21.90	0.0335	132.53	0.1715
16.69	0.0290	135.33	0.1821
11.74	0.0243	134.42	0.1833
11.77	0.0238	138.35	0.2022
5.05	0.0177	140.16	0.2235
0.02	0.0127	142.63	0.2535
-0.04	0.0099	145.78	0.2616
-0.02	0.0103	142.52	0.2420
-0.02	0.0111	0.22	0.0797
0.02	0.0110		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0084 (CH 0563)

AZ = 45.5 DEGREES R = 11 FT 1.5 IN. V = 10 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 85 CHANNEL 564

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0014	9.89	0.0027
5.33	0.0002	19.55	0.0105
12.31	0.0002	29.57	0.0182
16.44	0.0007	39.42	0.0257
20.51	0.0039	49.16	0.0326
20.46	0.0052	54.50	0.0367
20.47	0.0053	59.57	0.0413
27.05	0.0157	64.20	0.0464
34.69	0.0299	69.32	0.0517
34.53	0.0315	74.16	0.0574
34.53	0.0318	80.16	0.0637
39.70	0.0372	85.61	0.0695
45.90	0.0453	90.58	0.0758
45.65	0.0459	95.69	0.0829
45.62	0.0458	100.92	0.0907
50.10	0.0503	103.25	0.0946
53.47	0.0542	106.11	0.0992
53.29	0.0547	108.31	0.1024
53.21	0.0552	111.08	0.1077
50.49	0.0541	113.24	0.1115
46.14	0.0514	117.83	0.1203
46.13	0.0518	120.92	0.1268
44.97	0.0533	123.28	0.1316
38.98	0.0497	122.97	0.1319
33.99	0.0466	125.82	0.1359
33.96	0.0464	125.60	0.1372
26.83	0.0421	127.84	0.1403
21.88	0.0386	130.19	0.1450
21.90	0.0383	132.53	0.1513
16.69	0.0346	135.33	0.1620
11.74	0.0319	134.42	0.1642
11.77	0.0315	138.35	0.1840
5.05	0.0274	140.16	0.2003
0.02	0.0247	142.63	0.2170
-0.04	0.0222	145.78	0.2282
-0.02	0.0223	142.52	0.2254
-0.02	0.0227	0.22	0.0779
0.02	0.0233		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL GAGE WR0085 (CH 0564)

AZ = 46 DEGREES R = 11 FT 2 IN. V = 16 FT 8.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 86 CHANNEL 565

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0056
5.33	0.0041	19.55	0.0155
12.31	0.0081	29.57	0.0257
16.44	0.0118	39.42	0.0348
20.51	0.0164	49.16	0.0431
20.46	0.0170	54.50	0.0477
20.47	0.0171	59.57	0.0526
27.05	0.0259	64.20	0.0573
34.69	0.0355	69.32	0.0631
34.53	0.0363	74.16	0.0688
34.53	0.0362	80.16	0.0746
39.70	0.0402	85.61	0.0806
45.90	0.0472	90.58	0.0863
45.65	0.0471	95.69	0.0928
45.62	0.0467	100.92	0.0996
50.10	0.0510	103.25	0.1031
53.47	0.0545	106.11	0.1066
53.29	0.0545	108.31	0.1092
53.21	0.0544	111.08	0.1140
50.49	0.0531	113.24	0.1165
46.14	0.0500	117.83	0.1236
46.13	0.0499	120.92	0.1287
44.97	0.0505	123.28	0.1335
38.98	0.0457	122.97	0.1342
33.99	0.0418	125.82	0.1401
33.96	0.0412	125.60	0.1409
26.83	0.0347	127.84	0.1448
21.88	0.0302	130.19	0.1516
21.90	0.0300	132.53	0.1599
16.69	0.0258	135.33	0.1737
11.74	0.0200	134.42	0.1763
11.77	0.0193	138.35	0.1916
5.05	0.0127	140.16	0.2003
0.02	0.0076	142.63	0.2119
-0.04	0.0066	145.78	0.2219
-0.02	0.0067	142.52	0.2247
-0.02	0.0074	0.22	0.0885
0.02	0.0080		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0086 (CH 0565)

AZ = 46.5 DEGREES R = 11 FT 1.5 IN. V = 21 FT 7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 87 CHANNEL 566

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0012	9.89	0.0035
5.33	0.0015	19.55	0.0107
12.31	0.0041	29.57	0.0178
16.44	0.0060	39.42	0.0256
20.51	0.0091	49.16	0.0330
20.46	0.0091	54.50	0.0371
20.47	0.0094	59.57	0.0411
27.05	0.0158	64.20	0.0457
34.69	0.0242	69.32	0.0504
34.53	0.0250	74.16	0.0555
34.53	0.0254	80.16	0.0623
39.70	0.0286	85.61	0.0679
45.90	0.0351	90.58	0.0732
45.65	0.0366	95.69	0.0789
45.62	0.0370	100.92	0.0846
50.10	0.0412	103.25	0.0878
53.47	0.0451	106.11	0.0913
53.29	0.0456	108.31	0.0939
53.21	0.0456	111.08	0.0973
50.49	0.0444	113.24	0.1001
46.14	0.0422	117.83	0.1069
46.13	0.0424	120.92	0.1117
44.97	0.0413	123.28	0.1159
38.98	0.0385	122.97	0.1164
33.99	0.0350	125.82	0.1206
33.96	0.0348	125.60	0.1218
26.83	0.0307	127.84	0.1245
21.88	0.0269	130.19	0.1292
21.90	0.0265	132.53	0.1357
16.69	0.0235	135.33	0.1470
11.74	0.0187	134.42	0.1498
11.77	0.0190	138.35	0.1663
5.05	0.0147	140.16	0.1792
0.02	0.0110	142.63	0.1967
-0.04	0.0105	145.78	0.2124
-0.02	0.0098	142.52	0.2133
-0.02	0.0093	0.22	0.0668
0.02	0.0104		

CIRCUMFERENTIAL STRAIN OF DOME ABOVE SPRING LINE
 GAGE WR0087 (CH 0566)
 AZ = 94 DEGREES R = 11 FT 6 IN. V = 24 FT 7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 89 CHANNEL 568

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0031
5.33	0.0011	19.55	0.0112
12.31	0.0043	29.57	0.0191
16.44	0.0066	39.42	0.0273
20.51	0.0098	49.16	0.0349
20.46	0.0103	54.50	0.0394
20.47	0.0103	59.57	0.0438
27.05	0.0168	64.20	0.0485
34.69	0.0251	69.32	0.0534
34.53	0.0249	74.16	0.0584
34.53	0.0259	80.16	0.0654
39.70	0.0298	85.61	0.0714
45.90	0.0353	90.58	0.0767
45.65	0.0359	95.69	0.0829
45.62	0.0356	100.92	0.0891
50.10	0.0401	103.25	0.0920
53.47	0.0434	106.11	0.0952
53.29	0.0434	108.31	0.0982
53.21	0.0432	111.08	0.1014
50.49	0.0424	113.24	0.1045
46.14	0.0396	117.83	0.1104
46.13	0.0396	120.92	0.1154
44.97	0.0380	123.28	0.1194
38.98	0.0345	122.97	0.1190
33.99	0.0306	125.82	0.1229
33.96	0.0309	125.60	0.1236
26.83	0.0257	127.84	0.1262
21.88	0.0217	130.19	0.1298
21.90	0.0218	132.53	0.1336
16.69	0.0178	135.33	0.1388
11.74	0.0143	134.42	0.1390
11.77	0.0142	138.35	0.1451
5.05	0.0092	140.16	0.1494
0.02	0.0051	142.63	0.1545
-0.04	0.0045	145.78	0.1601
-0.02	0.0047	142.52	0.1596
-0.02	0.0047	0.22	0.0240
0.02	0.0043		

CIRCUMFERENTIAL STRAIN NEAR DOME MID-HEIGHT
 GAGE WR0089 (CH 0568)
 AZ = 94 DEGREES R = 8 FT 10.6 IN. V = 31 FT 5.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 90 CHANNEL 569

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0049
5.33	-0.0011	19.55	-0.0048
12.31	-0.0021	29.57	-0.0034
16.44	-0.0027	39.42	-0.0016
20.51	-0.0034	49.16	0.0005
20.46	-0.0040	54.50	0.0024
20.47	-0.0044	59.57	0.0040
27.05	-0.0031	64.20	0.0076
34.69	-0.0011	69.32	0.0108
34.53	-0.0007	74.16	0.0132
34.53	-0.0002	80.16	0.0177
39.70	0.0014	85.61	0.0212
45.90	0.0033	90.58	0.0244
45.65	0.0029	95.69	0.0277
45.62	0.0038	100.92	0.0310
50.10	0.0044	103.25	0.0322
53.47	0.0058	106.11	0.0335
53.29	0.0063	108.31	0.0348
53.21	0.0061	111.08	0.0360
50.49	0.0054	113.24	0.0367
46.14	0.0050	117.83	0.0390
46.13	0.0049	120.92	0.0400
44.97	0.0043	123.28	0.0404
38.98	0.0032	122.97	0.0398
33.99	0.0021	125.82	0.0410
33.96	0.0023	125.60	0.0405
26.83	0.0010	127.84	0.0421
21.88	0.0002	130.19	0.0448
21.90	0.0004	132.53	0.0489
16.69	-0.0001	135.33	0.0540
11.74	-0.0004	134.42	0.0556
11.77	-0.0005	138.35	0.0649
5.05	-0.0009	140.16	0.0724
0.02	-0.0005	142.63	0.0843
-0.04	0.0024	145.78	0.0975
-0.02	0.0024	142.52	0.1015
-0.02	0.0018	0.22	0.0295
0.02	0.0001		

MERIDIONAL STRAIN OF UPPER BASEMAT REGION
 GAGE WR0090 (CH 0569)

AZ = 93 DEGREES R = 11 FT 6.1 IN. V = 1 FT 1.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 92 CHANNEL 580

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0048
5.33	-0.0008	19.55	-0.0042
12.31	-0.0015	29.57	-0.0035
16.44	-0.0021	39.42	-0.0019
20.51	-0.0027	49.16	0.0001
20.46	-0.0034	54.50	0.0011
20.47	-0.0043	59.57	0.0026
27.05	-0.0035	64.20	0.0053
34.69	-0.0015	69.32	0.0063
34.53	-0.0007	74.16	0.0057
34.53	-0.0001	80.16	0.0089
39.70	0.0013	85.61	0.0107
45.90	0.0032	90.58	0.0123
45.65	0.0033	95.69	0.0140
45.62	0.0034	100.92	0.0149
50.10	0.0044	103.25	0.0151
53.47	0.0059	106.11	0.0159
53.29	0.0060	108.31	0.0168
53.21	0.0061	111.08	0.0182
50.49	0.0054	113.24	0.0198
46.14	0.0045	117.83	0.0249
46.13	0.0046	120.92	0.0278
44.97	0.0042	123.28	0.0301
38.98	0.0033	122.97	0.0300
33.99	0.0029	125.82	0.0335
33.96	0.0026	125.60	0.0332
26.83	0.0013	127.84	0.0359
21.88	0.0000	130.19	0.0410
21.90	-0.0001	132.53	0.0481
16.69	-0.0005	135.33	0.0597
11.74	-0.0006	134.42	0.0608
11.77	0.0001	138.35	0.0772
5.05	-0.0002	140.16	0.0854
0.02	0.0002	142.63	0.0984
-0.04	0.0023	145.78	0.1087
-0.02	0.0022	142.52	0.1070
-0.02	0.0021	0.22	0.0406
0.02	0.0007		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0092 (CH 0580)

AZ = 93 DEGREES R = 11 FT 6.4 IN. V = 2 FT 0.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 93 CHANNEL 581

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0021
5.33	-0.0006	19.55	-0.0004
12.31	0.0004	29.57	0.0014
16.44	0.0004	39.42	0.0034
20.51	0.0007	49.16	0.0052
20.46	0.0004	54.50	0.0065
20.47	0.0002	59.57	0.0079
27.05	0.0014	64.20	0.0097
34.69	0.0042	69.32	0.0105
34.53	0.0054	74.16	0.0099
34.53	0.0057	80.16	0.0133
39.70	0.0072	85.61	0.0156
45.90	0.0094	90.58	0.0182
45.65	0.0100	95.69	0.0214
45.62	0.0098	100.92	0.0244
50.10	0.0105	103.25	0.0262
53.47	0.0117	106.11	0.0282
53.29	0.0118	108.31	0.0294
53.21	0.0119	111.08	0.0316
50.49	0.0116	113.24	0.0339
46.14	0.0111	117.83	0.0391
46.13	0.0106	120.92	0.0428
44.97	0.0104	123.28	0.0465
38.98	0.0096	122.97	0.0471
33.99	0.0092	125.82	0.0510
33.96	0.0086	125.60	0.0516
26.83	0.0075	127.84	0.0544
21.88	0.0064	130.19	0.0610
21.90	0.0065	132.53	0.0698
16.69	0.0063	135.33	0.0816
11.74	0.0058	134.42	0.0831
11.77	0.0062	138.35	0.0984
5.05	0.0047	140.16	0.1073
0.02	0.0040	142.63	0.1205
-0.04	0.0034	145.78	0.1314
-0.02	0.0031	142.52	0.1307
-0.02	0.0033	0.22	0.0438
0.02	0.0033		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE WR0093 (CH 0581)
AZ = 93 DEGREES R = 11 FT 6.4 IN. V = 2 FT 5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 94 CHANNEL 582

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0013
5.33	0.0031	19.55	0.0056
12.31	0.0059	29.57	0.0098
16.44	0.0086	39.42	0.0135
20.51	0.0113	49.16	0.0175
20.46	0.0115	54.50	0.0196
20.47	0.0122	59.57	0.0222
27.05	0.0152	64.20	0.0260
34.69	0.0168	69.32	0.0315
34.53	0.0168	74.16	0.0367
34.53	0.0163	80.16	0.0404
39.70	0.0178	85.61	0.0465
45.90	0.0171	90.58	0.0518
45.65	0.0163	95.69	0.0587
45.62	0.0161	100.92	0.0668
50.10	0.0171	103.25	0.0709
53.47	0.0181	106.11	0.0753
53.29	0.0177	108.31	0.0790
53.21	0.0174	111.08	0.0835
50.49	0.0164	113.24	0.0874
46.14	0.0156	117.83	0.1038
46.13	0.0152	120.92	0.1174
44.97	0.0154	123.28	0.1288
38.98	0.0135	122.97	0.1309
33.99	0.0125	125.82	0.1407
33.96	0.0129	125.60	0.1430
26.83	0.0104	127.84	0.1481
21.88	0.0093	130.19	0.1596
21.90	0.0095	132.53	0.1742
16.69	0.0075	135.33	0.1926
11.74	0.0055	134.42	0.1963
11.77	0.0048	138.35	0.2274
5.05	0.0015	140.16	0.2484
0.02	-0.0005	142.63	0.2779
-0.04	-0.0026	145.78	0.3057
-0.02	-0.0026	142.52	0.3219
-0.02	-0.0020	0.22	0.1731
0.02	-0.0010		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-A

GAGE WR0094 (CH 0582)

AZ = 83 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 95 CHANNEL 583

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0026
5.33	0.0027	19.55	0.0082
12.31	0.0059	29.57	0.0134
16.44	0.0078	39.42	0.0184
20.51	0.0104	49.16	0.0228
20.46	0.0106	54.50	0.0255
20.47	0.0115	59.57	0.0283
27.05	0.0147	64.20	0.0324
34.69	0.0168	69.32	0.0379
34.53	0.0170	74.16	0.0440
34.53	0.0166	80.16	0.0500
39.70	0.0181	85.61	0.0573
45.90	0.0214	90.58	0.0656
45.65	0.0214	95.69	0.0745
45.62	0.0209	100.92	0.0845
50.10	0.0238	103.25	0.0892
53.47	0.0270	106.11	0.0945
53.29	0.0271	108.31	0.0990
53.21	0.0273	111.08	0.1050
50.49	0.0265	113.24	0.1107
46.14	0.0249	117.83	0.1227
46.13	0.0249	120.92	0.1303
44.97	0.0252	123.28	0.1377
38.98	0.0232	122.97	0.1391
33.99	0.0214	125.82	0.1484
33.96	0.0218	125.60	0.1511
26.83	0.0187	127.84	0.1580
21.88	0.0171	130.19	0.1711
21.90	0.0175	132.53	0.1877
16.69	0.0150	135.33	0.2081
11.74	0.0118	134.42	0.2141
11.77	0.0109	138.35	0.2448
5.05	0.0070	140.16	0.2726
0.02	0.0038	142.63	0.3097
-0.04	0.0020	145.78	0.3477
-0.02	0.0022	142.52	0.3771
-0.02	0.0028	0.22	0.2137
0.02	0.0040		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-A
GAGE WR0095 (CH 0583)
AZ = 82 DEGREES R = 11 FT 5.3 IN. V = 13 FT 1.5 IN.

C-998

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 96 CHANNEL 584

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0014
5.33	0.0008	19.55	0.0063
12.31	0.0017	29.57	0.0114
16.44	0.0021	39.42	0.0157
20.51	0.0033	49.16	0.0204
20.46	0.0036	54.50	0.0231
20.47	0.0033	59.57	0.0266
27.05	0.0059	64.20	0.0305
34.69	0.0112	69.32	0.0358
34.53	0.0120	74.16	0.0408
34.53	0.0120	80.16	0.0514
39.70	0.0153	85.61	0.0587
45.90	0.0206	90.58	0.0653
45.65	0.0233	95.69	0.0733
45.62	0.0239	100.92	0.0818
50.10	0.0274	103.25	0.0861
53.47	0.0312	106.11	0.0904
53.29	0.0321	108.31	0.0936
53.21	0.0321	111.08	0.0989
50.49	0.0328	113.24	0.1030
46.14	0.0314	117.83	0.1135
46.13	0.0318	120.92	0.1214
44.97	0.0300	123.28	0.1296
38.98	0.0284	122.97	0.1314
33.99	0.0272	125.82	0.1420
33.96	0.0264	125.60	0.1450
26.83	0.0229	127.84	0.1516
21.88	0.0204	130.19	0.1685
21.90	0.0184	132.53	0.1903
16.69	0.0160	135.33	0.2081
11.74	0.0131	134.42	0.2102
11.77	0.0133	138.35	0.2217
5.05	0.0115	140.16	0.2298
0.02	0.0088	142.63	0.2410
-0.04	0.0094	145.78	0.2529
-0.02	0.0083	142.52	0.2555
-0.02	0.0083	0.22	0.1184
0.02	0.0081		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-A
 GAGE WR0096 (CH 0584)
 AZ = 74 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 97 CHANNEL 585

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0087
5.33	0.0049	19.55	0.0199
12.31	0.0110	29.57	0.0314
16.44	0.0142	39.42	0.0425
20.51	0.0190	49.16	0.0530
20.46	0.0189	54.50	0.0669
20.47	0.0187	59.57	0.0642
27.05	0.0265	64.20	0.0537
34.69	0.0360	69.32	0.0767
34.53	0.0362	74.16	0.0817
34.53	0.0363	80.16	0.0860
39.70	0.0409	85.00	0.0945
45.90	0.0479	90.58	0.1015
45.65	0.0493	95.44	0.1075
45.62	0.0496	100.82	0.1137
50.10	0.0550	105.25	0.1161
53.47	0.0588	109.31	0.1190
53.29	0.0588	113.31	0.1222
53.21	0.0585	117.05	0.1255
50.49	0.0570	121.24	0.1288
46.14	0.0548	125.82	0.1350
46.13	0.0550	130.52	0.1386
44.97	0.0488	135.28	0.1430
38.98	0.0436	139.97	0.1430
33.99	0.0365	144.82	0.1471
33.96	0.0383	149.60	0.1470
26.83	0.0307	154.84	0.1490
21.88	0.0248	160.14	0.1532
21.90	0.0249	165.53	0.1560
16.66	0.0186	170.33	0.1618
11.74	0.0120	174.42	0.1600
11.77	0.0125	179.35	0.1672
5.66	0.0059	184.15	0.1740
0.22	0.0006	188.63	0.1801
-0.24	-0.0001	193.78	0.1976
-0.07	-0.0006	198.52	0.1974
-0.02	-0.0015	0.22	0.0662
0.02	-0.0013

A resolution test chart featuring several groups of horizontal and vertical lines of varying thicknesses. Each group is accompanied by a numerical value indicating the resolution. The values include 1.0, 1.1, 1.25, 1.4, 1.6, 1.8, 2.0, 2.2, 2.5, 2.8, 3.2, 3.6, 4.0, 4.5, 5.0, 5.6, 6.3, 7.1, 8.0, 9.0, 10.0, 11.2, 12.5, 14.0, 16.0, 18.0, 20.0, 22.4, 25.0, 28.0, 31.5, 36.0, 40.0, 45.0, 50.0, 56.0, 63.0, 71.0, 80.0, 90.0, 100.0, 112.0, 125.0, 140.0, 160.0, 180.0, 200.0, 224.0, 250.0, 280.0, 315.0, 360.0, 400.0, 450.0, 500.0, 560.0, 630.0, 710.0, 800.0, 900.0, 1000.0, 1120.0, 1250.0, 1400.0, 1600.0, 1800.0, 2000.0, 2240.0, 2500.0, 2800.0, 3150.0, 3600.0, 4000.0, 4500.0, 5000.0, 5600.0, 6300.0, 7100.0, 8000.0, 9000.0, 10000.0.

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REDUCTION

MERIDIONAL STRAIN OF CYLINDER WALL NEAR SPRING LINE
 GAGE WR0097 (CH 0585)
 AZ = 94 DEGREES R = 11 FT 6 IN. V = 23 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 98 CHANNEL 586

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0008	9.89	0.0003
5.33	0.0007	19.55	0.0050
12.31	0.0021	29.57	0.0103
16.44	0.0026	39.42	0.0151
20.51	0.0043	49.16	0.0201
20.46	0.0045	54.50	0.0231
20.47	0.0044	59.57	0.0259
27.05	0.0081	64.20	0.0296
34.69	0.0150	69.32	0.0328
34.53	0.0161	74.16	0.0371
34.53	0.0165	80.16	0.0441
39.70	0.0195	85.61	0.0490
45.90	0.0247	90.58	0.0537
45.65	0.0266	95.69	0.0585
45.62	0.0272	100.92	0.0641
50.10	0.0304	103.25	0.0668
53.47	0.0339	106.11	0.0691
53.29	0.0349	108.31	0.0714
53.21	0.0350	111.08	0.0744
50.49	0.0352	113.24	0.0764
46.14	0.0340	117.83	0.0818
46.13	0.0339	120.92	0.0852
44.97	0.0325	123.28	0.0885
38.98	0.0311	122.97	0.0890
33.99	0.0289	125.82	0.0915
33.96	0.0291	125.60	0.0924
26.83	0.0262	127.84	0.0936
21.88	0.0242	130.19	0.0965
21.90	0.0243	132.53	0.0989
16.69	0.0218	135.33	0.1025
11.74	0.0192	134.42	0.1032
11.77	0.0191	138.35	0.1081
5.05	0.0167	140.16	0.1122
0.02	0.0147	142.63	0.1213
-0.04	0.0144	145.78	0.1299
-0.02	0.0143	142.52	0.1312
-0.02	0.0136	0.22	0.0386
0.02	0.0138

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 99 CHANNEL 587

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0013
5.33	0.0002	19.55	0.0066
12.31	0.0021	29.57	0.0122
16.44	0.0028	39.42	0.0178
20.51	0.0050	49.16	0.0229
20.46	0.0053	54.50	0.0260
20.47	0.0052	59.57	0.0292
27.05	0.0096	64.20	0.0330
34.69	0.0168	69.32	0.0368
34.53	0.0179	74.16	0.0409
34.53	0.0179	80.16	0.0473
39.70	0.0212	85.61	0.0520
45.90	0.0263	90.58	0.0566
45.65	0.0286	95.69	0.0619
45.62	0.0288	100.92	0.0666
50.10	0.0325	103.25	0.0689
53.47	0.0357	106.11	0.0719
53.29	0.0367	108.31	0.0738
53.21	0.0371	111.08	0.0763
50.49	0.0366	113.24	0.0785
46.14	0.0352	117.83	0.0831
46.13	0.0349	120.92	0.0866
44.97	0.0340	123.28	0.0892
38.98	0.0317	122.97	0.0895
33.99	0.0294	125.82	0.0923
33.96	0.0292	125.60	0.0926
26.83	0.0262	127.84	0.0944
21.88	0.0236	130.19	0.0964
21.90	0.0235	132.53	0.0983
16.69	0.0207	135.33	0.1007
11.74	0.0178	134.42	0.1008
11.77	0.0178	138.35	0.1035
5.05	0.0145	140.16	0.1059
0.02	0.0123	142.63	0.1112
-0.04	0.0112	145.78	0.1180
-0.02	0.0114	142.52	0.1186
-0.02	0.0106	0.22	0.0269
0.02	0.0108		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE GAGE WR0099 (CH 0587)

AZ = 94 DEGREES R = 11 FT 5.3 IN. V = 24 FT 9.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 100 CHANNEL 588

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psi)	% Strain	Pressure (psi)	% Strain
0.008	0.0008	9.89	0.0012
-0.05	0.0023	19.55	0.0066
5.33	0.0041	29.57	0.0125
12.31	0.0049	39.42	0.0179
16.44	0.0072	49.16	0.0236
20.51	0.0076	54.50	0.0267
20.46	0.0078	59.57	0.0302
27.05	0.0115	64.20	0.0337
34.69	0.0176	69.32	0.0371
34.53	0.0186	74.16	0.0414
34.53	0.0186	80.16	0.0484
39.70	0.0217	85.61	0.0534
45.90	0.0266	90.58	0.0580
45.65	0.0284	95.69	0.0631
45.62	0.0288	100.92	0.0682
50.10	0.0321	103.25	0.0706
53.47	0.0356	106.11	0.0733
53.29	0.0368	108.31	0.0751
53.21	0.0367	111.08	0.0783
50.49	0.0359	113.24	0.0803
46.14	0.0345	117.83	0.0852
46.13	0.0342	120.92	0.0884
44.97	0.0327	123.28	0.0917
38.98	0.0302	122.97	0.0921
33.99	0.0280	125.82	0.0946
33.96	0.0282	125.60	0.0948
26.83	0.0250	127.84	0.0964
21.88	0.0225	130.19	0.0983
21.90	0.0222	132.53	0.1002
16.69	0.0195	135.33	0.1014
11.74	0.0166	134.42	0.1013
11.77	0.0171	138.35	0.1027
5.05	0.0137	140.16	0.1039
0.02	0.0116	142.63	0.1071
-0.04	0.0102	145.78	0.1118
-0.02	0.0108	142.52	0.1121
-0.02	0.0099	0.22	0.0212
0.02	0.0104		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE
 GAGE WR0100 (CH 0588)
 AZ = 94 DEGREES R = 11 FT 5.4 IN. V = 25 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 101 CHANNEL 589

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0026
5.33	0.0014	19.55	0.0094
12.31	0.0032	29.57	0.0161
16.44	0.0046	39.42	0.0228
20.51	0.0070	49.16	0.0289
20.46	0.0077	54.50	0.0324
20.47	0.0078	59.57	0.0365
27.05	0.0146	64.20	0.0407
34.69	0.0239	69.32	0.0455
34.53	0.0247	74.16	0.0502
34.53	0.0248	80.16	0.0579
39.70	0.0283	85.61	0.0631
45.90	0.0359	90.58	0.0681
45.65	0.0377	95.69	0.0732
45.62	0.0384	100.92	0.0788
50.10	0.0422	103.25	0.0817
53.47	0.0456	106.11	0.0840
53.29	0.0460	108.31	0.0870
53.21	0.0465	111.08	0.0898
50.49	0.0459	113.24	0.0922
46.14	0.0440	117.83	0.0976
46.13	0.0436	120.92	0.1018
44.97	0.0409	123.28	0.1047
38.98	0.0381	122.97	0.1046
33.99	0.0357	125.82	0.1080
33.96	0.0354	125.60	0.1079
26.83	0.0317	127.84	0.1102
21.88	0.0285	130.19	0.1134
21.90	0.0284	132.53	0.1167
16.69	0.0253	135.33	0.1210
11.74	0.0219	134.42	0.1207
11.77	0.0225	138.35	0.1264
5.05	0.0183	140.16	0.1305
0.02	0.0155	142.63	0.1351
-0.04	0.0146	145.78	0.1402
-0.02	0.0136	142.52	0.1403
-0.02	0.0134	0.22	0.0213
0.02	0.0133		

MERIDIONAL STRAIN NEAR DOME MID-HEIGHT

CAGE WR0101 (CH 0589)

AZ = 94 DEGREES R = 8 FT 10.6 IN. V = 31 FT 5.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 102 CHANNEL 600

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0024
5.33	0.0018	19.55	0.0087
12.31	0.0042	29.57	0.0156
16.44	0.0061	39.42	0.0219
20.51	0.0082	49.15	0.0282
20.46	0.0084	54.50	0.0319
20.47	0.0085	59.57	0.0352
27.05	0.0133	64.20	0.0388
34.69	0.0202	69.32	0.0440
34.53	0.0208	74.16	0.0483
34.53	0.0211	80.16	0.0611
39.70	0.0250	85.61	0.0694
45.90	0.0314	90.58	0.0761
45.65	0.0329	95.69	0.0836
45.62	0.0335	100.92	0.0913
50.10	0.0372	103.25	0.0948
53.47	0.0403	106.11	0.0984
53.29	0.0406	108.31	0.1007
53.21	0.0416	111.08	0.1056
50.49	0.0406	113.24	0.1087
46.14	0.0389	117.83	0.1152
46.13	0.0383	120.92	0.1198
44.97	0.0362	123.28	0.1229
38.98	0.0326	122.97	0.1229
33.99	0.0307	125.82	0.1259
33.96	0.0306	125.60	0.1260
26.83	0.0272	127.84	0.1282
21.88	0.0239	130.19	0.1312
21.90	0.0240	132.53	0.1350
16.69	0.0211	135.33	0.1377
11.74	0.0181	134.42	0.1375
11.77	0.0186	138.35	221.8900
5.05	0.0145	140.16	0.1464
0.02	0.0112	142.63	0.1505
-0.04	0.0105	145.78	0.1564
-0.02	0.0088	142.52	0.1559
-0.02	0.0089	0.22	0.0161
0.02	0.0086		

MERIDIONAL STRAIN OF DOME UPPER REGION
GAGE WR0102 (CH 0600)
AZ = 94 DEGREES R = 2 FT 3.7 IN. V = 35 FT 5.2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 103 CHANNEL 601

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0025
5.33	0.0018	19.55	0.0094
12.31	0.0036	29.57	0.0164
16.44	0.0054	39.42	0.0225
20.51	0.0074	49.16	0.0280
20.46	0.0081	54.50	0.0316
20.47	0.0086	59.57	0.0352
27.05	0.0136	64.20	0.0397
34.69	0.0213	69.32	0.0437
34.53	0.0230	74.16	0.0496
34.53	0.0235	80.16	0.0544
39.70	0.0274	85.61	0.0584
45.90	0.0343	90.58	0.0607
45.65	0.0343	95.69	0.0634
45.62	0.0345	100.92	0.0659
50.10	0.0380	103.25	0.0665
53.47	0.0414	106.11	0.0680
53.29	0.0415	108.31	0.0694
53.21	0.0414	111.08	0.0699
50.49	0.0408	113.24	0.0706
46.14	0.0387	117.83	0.0739
46.13	0.0379	120.92	0.0759
44.97	0.0375	123.28	0.0770
38.98	0.0351	122.97	0.0771
33.99	0.0328	125.82	0.0805
33.96	0.0328	125.60	0.0801
26.83	0.0290	127.84	0.0820
21.88	0.0262	130.19	0.0850
21.90	0.0264	132.53	0.0880
16.69	0.0236	135.33	0.0912
11.74	0.0203	134.42	0.0904
11.77	0.0195	138.35	0.0945
5.05	0.0147	140.16	0.0962
0.02	0.0110	142.63	0.0991
-0.04	0.0103	145.78	0.1024
-0.02	0.0100	142.52	0.1010
-0.02	0.0106	0.22	0.0097
0.02	0.0102		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0103 (CH 0601)

AZ = 168 DEGREES R = 11 FT 6.3 IN. V = 13 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 104 CHANNEL 602

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0029
5.33	0.0021	19.55	0.0109
12.31	0.0042	29.57	0.0195
16.44	0.0059	39.42	0.0278
20.51	0.0079	49.16	0.0361
20.46	0.0090	54.50	0.0409
20.47	0.0098	59.57	0.0459
27.05	0.0151	64.20	0.0512
34.69	0.0227	69.32	0.0575
34.53	0.0244	74.16	0.0639
34.53	0.0251	80.16	0.0722
39.70	0.0295	85.61	0.0793
45.90	0.0378	90.58	0.0862
45.65	0.0385	95.69	0.0937
45.62	0.0381	100.92	0.1012
50.10	0.0425	103.25	0.1049
53.47	0.0465	106.11	0.1097
53.29	0.0474	108.31	0.1126
53.21	0.0469	111.08	0.1178
50.49	0.0465	113.24	0.1212
46.14	0.0441	117.83	0.1301
46.13	0.0438	120.92	0.1359
44.97	0.0450	123.28	0.1422
38.98	0.0414	122.97	0.1431
33.99	0.0384	125.82	0.1497
33.96	0.0383	125.60	0.1513
26.83	0.0337	127.84	0.1553
21.88	0.0306	130.19	0.1623
21.90	0.0306	132.53	0.1698
16.69	0.0273	135.33	0.1778
11.74	0.0233	134.42	0.1793
11.77	0.0223	138.35	0.1873
5.05	0.0174	140.16	0.1933
0.02	0.0141	142.63	0.2011
-0.04	0.0112	145.78	0.2090
-0.02	0.0118	142.52	0.2089
-0.02	0.0122	0.22	0.0457
0.02	0.0115		

MERIDIONAL STRAIN OF CYLLINDER WALL NEAR EQ-B
GAGE WR0104 (CH 0602)
AZ = 167 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 105 CHANNEL 603

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0029
5.33	0.0009	19.55	0.0113
12.31	0.0039	29.57	0.0203
16.44	0.0053	39.42	0.0285
20.51	0.0075	49.16	0.0360
20.46	0.0074	54.50	0.0407
20.47	0.0078	59.57	0.0447
27.05	0.0140	64.20	0.0502
34.69	0.0212	69.32	0.0556
34.53	0.0206	74.16	0.0620
34.53	0.0206	80.16	0.0699
39.70	0.0246	85.61	0.0760
45.90	0.0310	90.58	0.0818
45.65	0.0331	95.69	0.0878
45.62	0.0338	100.92	0.0941
50.10	0.0382	103.25	0.0970
53.47	0.0420	106.11	0.0999
53.29	0.0432	108.31	0.1018
53.21	0.0429	111.08	0.1053
50.49	0.0422	113.24	0.1078
46.14	0.0395	117.83	0.1133
46.13	0.0397	120.92	0.1167
44.97	0.0363	123.28	0.1201
38.98	0.0325	122.97	0.1198
33.99	0.0287	125.82	0.1233
33.96	0.0283	125.60	0.1237
26.83	0.0229	127.84	0.1263
21.88	0.0182	130.19	0.1311
21.90	0.0164	132.53	0.1370
16.69	0.0123	135.33	0.1534
11.74	0.0080	134.42	0.1568
11.77	0.0090	138.35	0.1797
5.05	0.0042	140.16	0.1955
0.02	0.0010	142.63	0.2169
-0.04	0.0023	145.78	0.2354
-0.02	0.0018	142.52	0.2380
-0.02	0.0012	0.22	0.1003
0.02	0.0001		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B
 GAGE WR0105 (CH 0603)

AZ = 156 DEGREES R = 11 FT 6.3 IN. V = 13 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 106 CHANNEL 604

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0004
5.33	0.0014	19.55	0.0051
12.31	0.0066	29.57	0.0104
16.44	0.0085	39.42	0.0155
20.51	0.0128	49.16	0.0206
20.46	0.0149	54.50	0.0234
20.47	0.0163	59.57	0.0267
27.05	0.0209	64.20	0.0295
34.69	0.0274	69.32	0.0333
34.53	0.0284	74.16	0.0363
34.53	0.0286	80.16	0.0431
39.70	0.0321	85.61	0.0474
45.90	0.0357	90.58	0.0513
45.65	0.0310	95.69	0.0545
45.62	0.0286	100.92	0.0580
50.10	0.0306	103.25	0.0602
53.47	0.0334	106.11	0.0629
53.29	0.0308	108.31	0.0643
53.21	0.0343	111.08	0.0667
50.49	0.0359	113.24	0.0692
46.14	0.0337	117.83	0.0737
46.13	0.0336	120.92	0.0774
44.97	0.0387	123.28	0.0804
38.98	0.0375	122.97	0.0806
33.99	0.0352	125.82	0.0830
33.96	0.0364	125.60	0.0836
26.83	0.0336	127.84	0.0849
21.88	0.0318	130.19	0.0880
21.90	0.0318	132.53	0.0911
16.69	0.0298	135.33	0.0937
11.74	0.0269	134.42	0.0944
11.77	0.0263	138.35	0.0991
5.05	0.0230	140.16	0.1051
0.02	0.0193	142.63	0.1163
-0.04	0.0135	145.78	0.1285
-0.02	0.0161	142.52	0.1309
-0.02	0.0146	0.22	0.0473
0.02	0.0169		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0106 (CH 0604)

AZ = 215 DEGREES R = 11 FT 6 IN. V = 24 FT 5.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 107 CHANNEL 605

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0012
5.33	0.0013	19.55	0.0075
12.31	0.0037	29.57	0.0132
16.44	0.0052	39.42	0.0198
20.51	0.0072	49.16	0.0253
20.46	0.0077	54.50	0.0286
20.47	0.0081	59.57	0.0320
27.05	0.0135	64.20	0.0352
34.69	0.0207	69.32	0.0389
34.53	0.0207	74.16	0.0428
34.53	0.0206	80.16	0.0489
39.70	0.0244	85.61	0.0532
45.90	0.0294	90.58	0.0573
45.65	0.0302	95.69	0.0611
45.62	0.0303	100.92	0.0659
50.10	0.0336	103.25	0.0681
53.47	0.0359	106.11	0.0702
53.29	0.0368	108.31	0.0723
53.21	0.0369	111.08	0.0748
50.49	0.0361	113.24	0.0769
46.14	0.0342	117.83	0.0814
46.13	0.0341	120.92	0.0848
44.97	0.0328	123.28	0.0872
38.98	0.0298	122.97	0.0875
33.99	0.0269	125.82	0.0896
33.96	0.0267	125.60	0.0897
26.83	0.0231	127.84	0.0918
21.88	0.0203	130.19	0.0942
21.90	0.0200	132.53	0.0967
16.69	0.0174	135.33	0.0996
11.74	0.0143	134.42	0.0997
11.77	0.0143	138.35	0.1047
5.05	0.0103	140.16	0.1087
0.02	0.0081	142.63	0.1165
-0.04	0.0058	145.78	0.1255
-0.02	0.0066	142.52	0.1273
-0.02	0.0060	0.22	0.0367
0.02	0.0066		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

AZ = 215 DEGREES R = 11 FT 5.5 IN. V = 25 FT 1.9 IN.
GAGE WR0107 (CH 0605)

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 108 CHANNEL 606

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0014	9.89	0.0001
5.33	0.0020	19.55	0.0037
12.31	0.0044	29.57	0.0079
16.44	0.0059	39.42	0.0112
20.51	0.0082	49.16	0.0149
20.46	0.0088	54.50	0.0170
20.47	0.0090	59.57	0.0187
27.05	0.0146	64.20	0.0200
34.69	0.0201	69.32	0.0227
34.53	0.0206	74.16	0.0250
34.53	0.0202	80.16	0.0272
39.70	0.0225	85.61	0.0319
45.90	0.0245	90.58	0.0362
45.65	0.0243	95.69	0.0407
45.62	0.0240	100.92	0.0454
50.10	0.0259	103.25	0.0479
53.47	0.0265	106.11	0.0503
53.29	0.0268	108.31	0.0524
53.21	0.0269	111.08	0.0551
50.49	0.0258	113.24	0.0580
46.14	0.0246	117.83	0.0655
46.13	0.0243	120.92	0.0712
44.97	0.0254	123.28	0.0781
38.98	0.0236	122.97	0.0824
33.99	0.0215	125.82	0.0829
33.96	0.0218	125.60	0.0826
26.83	0.0190	127.84	0.0833
21.88	0.0173	130.19	0.0837
21.90	0.0172	132.53	0.0823
16.69	0.0151	135.33	0.0847
11.74	0.0131	134.42	0.0869
11.77	0.0128	138.35	0.0939
5.05	0.0102	140.16	0.1036
0.02	0.0076	142.63	0.1147
-0.04	0.0077	145.78	0.1275
-0.02	0.0073	142.52	0.1341
-0.02	0.0069	0.22	0.0593
0.02	0.0077		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-B

GAGE WR0108 (CH 0606)

AZ = 263 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 109 CHANNEL 607

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0007
5.33	0.0018	19.55	0.0060
12.31	0.0036	29.57	0.0110
16.44	0.0053	39.42	0.0158
20.51	0.0082	49.16	0.0201
20.46	0.0087	54.50	0.0228
20.47	0.0083	59.57	0.0251
27.05	0.0147	64.20	0.0279
34.69	0.0179	69.32	0.0314
34.53	0.0172	74.16	0.0358
34.53	0.0168	80.16	0.0394
39.70	0.0183	85.61	0.0467
45.90	0.0229	90.58	0.0526
45.65	0.0230	95.69	0.0591
45.62	0.0227	100.92	0.0661
50.10	0.0252	103.25	0.0693
53.47	0.0270	106.11	0.0727
53.29	0.0274	108.31	0.0754
53.21	0.0271	111.08	0.0796
50.49	0.0264	113.24	0.0826
46.14	0.0246	117.83	0.0910
46.13	0.0247	120.92	0.0982
44.97	0.0252	123.28	0.1074
38.98	0.0226	122.97	0.1126
33.99	0.0207	125.82	0.1342
33.96	0.0203	125.60	0.1421
26.83	0.0170	127.84	0.1530
21.88	0.0147	130.19	0.1791
21.90	0.0148	132.53	0.2204
16.69	0.0125	135.33	0.2747
11.74	0.0100	134.42	0.2928
11.77	0.0095	138.35	0.3377
5.05	0.0068	140.16	0.3742
0.02	0.0043	142.63	0.4192
-0.04	0.0043	145.78	0.4610
-0.02	0.0038	142.52	0.4797
-0.02	0.0035	0.22	0.3022
0.02	0.0041		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-B
 GAGE WR0109 (CH 0607)

AZ = 262 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 110 CHANNEL 608

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0017	9.89	0.0049
5.33	0.0048	19.55	0.0129
12.31	0.0081	29.57	0.0215
16.44	0.0098	39.42	0.0299
20.51	0.0135	49.16	0.0379
20.46	0.0143	54.50	0.0422
20.47	0.0144	59.57	0.0474
27.05	0.0213	64.20	0.0525
34.69	0.0305	69.32	0.0591
34.53	0.0308	74.16	0.0654
34.53	0.0313	80.16	0.0754
39.70	0.0358	85.61	0.0850
45.90	0.0424	90.58	0.0927
45.65	0.0432	95.69	0.1015
45.62	0.0434	100.92	0.1107
50.10	0.0476	103.25	0.1150
53.47	0.0504	106.11	0.1200
53.29	0.0510	108.31	0.1238
53.21	0.0517	111.08	0.1290
50.49	0.0502	113.24	0.1333
46.14	0.0479	117.83	0.1433
46.13	0.0478	120.92	0.1516
44.97	0.0440	123.28	0.1574
38.98	0.0401	122.97	0.1577
33.99	0.0370	125.82	0.1658
33.96	0.0371	125.60	0.1678
26.83	0.0317	127.84	0.1760
21.88	0.0281	130.19	0.1913
21.90	0.0281	132.53	0.2072
16.69	0.0247	135.33	0.2229
11.74	0.0208	134.42	0.2279
11.77	0.0206	138.35	0.2317
5.05	0.0161	140.16	0.2435
0.02	0.0121	142.63	0.2485
-0.04	0.0052	145.78	0.2513
-0.02	0.0041	142.52	0.2501
-0.02	0.0066	0.22	0.1074
0.02	0.0086		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR PL-B

GAGE WR0110 (CH 0608)

AZ = 254 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 111 CHANNEL 609

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0028	9.89	-0.0035
5.33	-0.0021	19.55	-0.0001
12.31	-0.0019	29.57	0.0032
16.44	-0.0016	39.42	0.0069
20.51	-0.0002	49.16	0.0103
20.46	-0.0001	54.50	0.0128
20.47	-0.0001	59.57	0.0148
27.05	0.0022	64.20	0.0179
34.69	0.0068	69.32	0.0215
34.53	0.0070	74.16	0.0260
34.53	0.0068	80.16	0.0312
39.70	0.0094	85.61	0.0363
45.90	0.0136	90.58	0.0408
45.65	0.0137	95.69	0.0460
45.62	0.0145	100.92	0.0519
50.10	0.0166	103.25	0.0546
53.47	0.0191	106.11	0.0578
53.29	0.0189	108.31	0.0603
53.21	0.0198	111.08	0.0642
50.49	0.0189	113.24	0.0671
46.14	0.0182	117.83	0.0732
46.13	0.0181	120.92	0.0775
44.97	0.0162	123.28	0.0816
38.98	0.0144	122.97	0.0823
33.99	0.0131	125.82	0.0882
33.96	0.0125	125.60	0.0896
26.83	0.0108	127.84	0.0953
21.88	0.0091	130.19	0.1026
21.90	0.0087	132.53	0.1147
16.69	0.0072	135.33	0.1297
11.74	0.0057	134.42	0.1304
11.77	0.0055	138.35	0.1494
5.05	0.0050	140.16	0.1623
0.02	0.0052	142.63	0.1814
-0.04	0.0066	145.78	0.1984
-0.02	0.0019	142.52	0.1979
-0.02	0.0019	0.22	0.1096
0.02	0.0024		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR01 1 (CH 0609)

AZ = 305.83 DEGREES R = 11 FT 6.4 IN. V = 1 FT 11.3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 112 CHANNEL 620

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	0.0060
5.33	0.0060	19.55	0.0171
12.31	0.0119	29.57	0.0286
16.44	0.0148	39.42	0.0397
20.51	0.0180	49.16	0.0496
20.46	0.0182	54.50	0.0551
20.47	0.0183	59.57	0.0608
27.05	0.0276	64.20	0.0659
34.69	0.0367	69.32	0.0718
34.53	0.0364	74.16	0.0772
34.53	0.0368	80.16	0.0885
39.70	0.0420	85.61	0.0955
45.90	0.0499	90.58	0.1024
45.65	0.0504	95.69	0.1100
45.62	0.0510	100.92	0.1177
50.10	0.0564	103.25	0.1213
53.47	0.0597	106.11	0.1251
53.29	0.0602	108.31	0.1282
53.21	0.0601	111.08	0.1328
50.49	0.0586	113.24	0.1365
46.14	0.0551	117.83	0.1447
46.13	0.0553	120.92	0.1504
44.97	0.0470	123.28	0.1551
38.98	0.0421	122.97	0.1539
33.99	0.0376	125.82	0.1579
33.96	0.0382	125.60	0.1558
26.83	0.0311	127.84	0.1592
21.88	0.0256	130.19	0.1693
21.90	0.0257	132.53	0.1881
16.69	0.0202	135.33	0.2151
11.74	0.0148	134.42	0.2194
11.77	0.0156	138.35	0.2572
5.05	0.0092	140.16	0.2854
0.02	0.0038	142.63	0.3003
-0.04	0.0009	145.78	0.3045
-0.02	-0.0037	142.52	0.3020
-0.02	-0.0025	0.22	0.1541
0.02	0.0000		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0112 (CH 0620)

AZ = 305.5 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 113 CHANNEL 621

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0038
5.33	0.0029	19.55	0.0126
12.31	0.0057	29.57	0.0218
16.44	0.0077	39.42	0.0307
20.51	0.0125	49.16	0.0394
20.46	0.0130	54.50	0.0443
20.47	0.0132	59.57	0.0491
27.05	0.0216	64.20	0.0538
34.69	0.0302	69.32	0.0582
34.53	0.0304	74.16	0.0630
34.53	0.0306	80.16	0.0709
39.70	0.0354	85.61	0.0758
45.90	0.0412	90.58	0.0807
45.65	0.0419	95.69	0.0865
45.62	0.0424	100.92	0.0922
50.10	0.0464	103.25	0.0950
53.47	0.0495	106.11	0.0982
53.29	0.0497	108.31	0.1011
53.21	0.0495	111.08	0.1052
50.49	0.0484	113.24	0.1084
46.14	0.0453	117.83	0.1158
46.13	0.0448	120.92	0.1208
44.97	0.0409	123.28	0.1246
38.98	0.0368	122.97	0.1242
33.99	0.0328	125.82	0.1292
33.96	0.0328	125.60	0.1292
26.83	0.0267	127.84	0.1330
21.88	0.0225	130.19	0.1407
21.90	0.0224	132.53	0.1501
16.69	0.0175	135.33	0.1637
11.74	0.0131	134.42	0.1662
11.77	0.0135	138.35	0.1880
5.05	0.0079	140.16	0.2065
0.02	0.0042	142.63	0.2264
-0.04	0.0015	145.78	0.2318
-0.02	0.0008	142.52	0.2298
-0.02	0.0008	0.22	0.0816
0.02	0.0016		

MERIDIONAL STRAIN OF CYLINDER WALL 3 DEG. FROM CONSTRAINED PENETRATION
 GAGE WR0113 (CH 0621)
 AZ = 312 DEGREES R = 11 FT 6.3 IN. V = 20 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 114 CHANNEL 622

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0004
5.33	0.0008	19.55	0.0041
12.31	0.0016	29.57	0.0094
16.44	0.0023	39.42	0.0147
20.51	0.0039	49.16	0.0199
20.46	0.0041	54.50	0.0233
20.47	0.0039	59.57	0.0268
27.05	0.0079	64.20	0.0308
34.69	0.0145	69.32	0.0350
34.53	0.0157	74.16	0.0394
34.53	0.0159	80.16	0.0469
39.70	0.0197	85.61	0.0524
45.90	0.0264	90.58	0.0582
45.65	0.0283	95.69	0.0643
45.62	0.0288	100.92	0.0705
50.10	0.0323	103.25	0.0735
53.47	0.0359	106.11	0.0773
53.29	0.0372	108.31	0.0798
53.21	0.0373	111.08	0.0834
50.49	0.0372	113.24	0.0864
46.14	0.0362	117.83	0.0930
46.13	0.0365	120.92	0.0975
44.97	0.0354	123.28	0.1014
38.98	0.0334	122.97	0.1018
33.99	0.0315	125.82	0.1054
33.96	0.0315	125.60	0.1061
26.83	0.0284	127.84	0.1086
21.88	0.0259	130.19	0.1126
21.90	0.0256	132.53	0.1183
16.69	0.0236	135.33	0.1284
11.74	0.0209	134.42	0.1301
11.77	0.0213	138.35	0.1483
5.05	0.0181	140.16	0.1670
0.02	0.0164	142.63	0.1969
-0.04	0.0155	145.78	0.2144
-0.02	0.0146	142.52	0.2160
-0.02	0.0141	0.22	0.0809
0.02	0.0141		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0114 (CH 0622)

AZ = 331.5 DEGREES R = 11 FT 6.3 IN. V = 20 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 115 CHANNEL 623

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0026
5.33	0.0025	19.55	0.0107
12.31	0.0043	29.57	0.0193
16.44	0.0061	39.42	0.0272
20.51	0.0103	49.16	0.0354
20.46	0.0113	54.50	0.0398
20.47	0.0115	59.57	0.0443
27.05	0.0196	64.20	0.0490
34.69	0.0284	69.32	0.0538
34.53	0.0285	74.16	0.0582
34.53	0.0291	80.16	0.0655
39.70	0.0338	85.61	0.0711
45.90	0.0402	90.58	0.0759
45.65	0.0410	95.69	0.0820
45.62	0.0411	100.92	0.0878
50.10	0.0450	103.25	0.0905
53.47	0.0484	106.11	0.0937
53.29	0.0489	108.31	0.0966
53.21	0.0487	111.08	0.1005
50.49	0.0480	113.24	0.1036
46.14	0.0453	117.83	0.1106
46.13	0.0452	120.92	0.1152
44.97	0.0422	123.28	0.1190
38.98	0.0386	122.97	0.1183
33.99	0.0348	125.82	0.1227
33.96	0.0349	125.60	0.1224
26.83	0.0294	127.84	0.1258
21.88	0.0252	130.19	0.1318
21.90	0.0252	132.53	0.1389
16.69	0.0211	135.33	0.1494
11.74	0.0171	134.42	0.1503
11.77	0.0173	138.35	0.1647
5.05	0.0122	140.16	0.1731
0.02	0.0088	142.63	0.1847
-0.04	0.0073	145.78	0.1932
-0.02	0.0056	142.52	0.1917
-0.02	0.0061	0.22	0.0705
0.02	0.0064		

MERIDIONAL STRAIN OF CYLINDER WALL 2 DEG. FROM CONSTRAINED PENETRATION

GAGE WR0115 (CH 0623)

AZ = 313 DEGREES R = 11 FT 6.3 IN. V = 19 FT 9.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 116 CHANNEL 624

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0004
5.33	0.0002	19.55	0.0035
12.31	0.0011	29.57	0.0081
16.44	0.0017	39.42	0.0123
20.51	0.0033	49.16	0.0165
20.46	0.0039	54.50	0.0193
20.47	0.0039	59.57	0.0220
27.05	0.0070	64.20	0.0255
34.69	0.0123	69.32	0.0293
34.53	0.0132	74.16	0.0324
34.53	0.0131	80.16	0.0352
39.70	0.0158	85.61	0.0453
45.90	0.0202	90.58	0.0509
45.65	0.0214	95.69	0.0568
45.62	0.0215	100.92	0.0630
50.10	0.0243	103.25	0.0665
53.47	0.0272	106.11	0.0698
53.29	0.0280	108.31	0.0719
53.21	0.0280	111.08	0.0758
50.49	0.0281	113.24	0.0787
46.14	0.0270	117.83	0.0848
46.13	0.0271	120.92	0.0889
44.97	0.0274	123.28	0.0936
38.98	0.0257	122.97	0.0941
33.99	0.0237	125.82	0.0976
33.96	0.0239	125.60	0.0982
26.83	0.0216	127.84	0.1002
21.88	0.0193	130.19	0.1028
21.90	0.0189	132.55	0.1058
16.69	0.0172	135.33	0.1094
11.74	0.0153	134.42	0.1099
11.77	0.0149	138.35	0.1158
5.05	0.0127	140.16	0.1217
0.02	0.0103	142.63	0.1315
-0.04	0.0105	145.78	0.1430
-0.02	0.0097	142.52	0.1456
-0.02	0.0096	0.22	0.0457
0.02	0.0094		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0116 (CH 0624)

AZ = 341.5 DEGREES R = 11 FT 6 IN. V = 24 FT 5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 117 CHANNEL 625

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	-0.0005
5.33	0.0008	19.55	0.0042
12.31	0.0019	29.57	0.0091
16.44	0.0029	39.42	0.0134
20.51	0.0040	49.16	0.0182
20.46	0.0044	54.50	0.0213
20.47	0.0046	59.57	0.0245
27.05	0.0080	64.20	0.0282
34.69	0.0142	69.32	0.0320
34.53	0.0152	74.16	0.0366
34.53	0.0153	80.16	0.0436
39.70	0.0185	85.61	0.0490
45.90	0.0241	90.58	0.0540
45.65	0.0256	95.69	0.0597
45.62	0.0259	100.92	0.0655
50.10	0.0294	103.25	0.0687
53.47	0.0323	106.11	0.0713
53.29	0.0333	108.31	0.0739
53.21	0.0339	111.08	0.0767
50.49	0.0334	113.24	0.0794
46.14	0.0323	117.83	0.0844
46.13	0.0323	120.92	0.0880
44.97	0.0324	123.28	0.0918
38.98	0.0307	122.97	0.0927
33.99	0.0290	125.82	0.0952
33.96	0.0289	125.60	0.0949
26.83	0.0263	127.84	0.0966
21.88	0.0239	130.19	0.0993
21.90	0.0240	132.53	0.1016
16.69	0.0220	135.33	0.1040
11.74	0.0194	134.42	0.1040
11.77	0.0197	138.35	0.1070
5.05	0.0166	140.16	0.1089
0.02	0.0147	142.63	0.1125
-0.04	0.0139	145.78	0.1171
-0.02	0.0134	142.52	0.1172
-0.02	0.0135	0.22	0.0221
0.02	0.0134		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0117 (CH 0625)

AZ = 341.5 DEGREES R = 11 FT 5.2 IN. V = 25 FT 5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 118 CHANNEL 626

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0044
5.33	0.0000	19.55	-0.0044
12.31	0.0001	29.57	-0.0049
16.44	0.0000	39.42	-0.0048
20.51	-0.0006	49.16	-0.0047
20.46	-0.0005	54.50	-0.0048
20.47	-0.0004	59.57	-0.0049
27.05	-0.0003	64.20	-0.0052
34.69	-0.0005	69.32	-0.0054
34.53	-0.0002	74.16	-0.0055
34.53	-0.0003	80.16	-0.0055
39.70	-0.0006	85.61	-0.0058
45.90	-0.0006	90.58	-0.0061
45.65	-0.0010	95.69	-0.0060
45.62	-0.0005	100.92	-0.0081
50.10	-0.0009	103.25	-0.0087
53.47	-0.0011	106.11	-0.0086
53.29	-0.0009	108.31	-0.0088
53.21	-0.0009	111.08	-0.0088
50.49	-0.0007	113.24	-0.0093
46.14	-0.0009	117.83	-0.0093
46.13	-0.0005	120.92	-0.0101
44.97	0.0001	123.28	-0.0101
38.98	-0.0001	122.97	-0.0105
33.99	-0.0001	125.82	-0.0104
33.96	0.0000	125.60	-0.0098
26.83	0.0002	127.84	-0.0098
21.88	-0.0002	130.19	-0.0098
21.90	-0.0005	132.53	-0.0098
16.69	-0.0004	135.33	-0.0094
11.74	-0.0002	134.42	-0.0090
11.77	-0.0001	138.35	-0.0091
5.05	-0.0003	140.16	-0.0084
0.02	-0.0001	142.63	-0.0079
-0.04	-0.0017	145.78	-0.0066
-0.02	-0.0008	142.52	-0.0061
-0.02	-0.0005	0.22	-0.0093
0.02	-0.0005		

MERIDIONAL STRAIN LOWER BASEMAT REGION

GAGE WR0118 (CH 0626)

AZ = 359.53 DEGREES R = 11 FT 6.5 IN. V = -1 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 119 CHANNEL 627

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0040
5.33	0.0007	19.55	0.0145
12.31	0.0029	29.57	0.0281
16.44	0.0039	39.42	0.0403
20.51	0.0047	49.16	0.0517
20.46	0.0048	54.50	0.0583
20.47	0.0050	59.57	0.0655
27.05	0.0090	64.20	0.0733
34.69	0.0252	69.32	0.0815
34.53	0.0268	74.16	0.0869
34.53	0.0271	80.16	0.0983
39.70	0.0361	85.61	0.1066
45.90	0.0514	90.58	0.1140
45.65	0.0551	95.69	0.1230
45.62	0.0560	100.92	0.1321
50.10	0.0635	103.25	0.1362
53.47	0.0710	106.11	0.1409
53.29	0.0727	108.31	0.1442
53.21	0.0736	111.08	0.1482
50.49	0.0728	113.24	0.1520
46.14	0.0693	117.83	0.1589
46.13	0.0694	120.92	0.1636
44.97	0.0657	123.28	0.1672
38.98	0.0608	122.97	0.1670
33.99	0.0566	125.82	0.1694
33.96	0.0554	125.60	0.1678
26.83	0.0485	127.84	0.1707
21.88	0.0428	130.19	0.1739
21.90	0.0427	132.53	0.1773
16.69	0.0373	135.33	0.1804
11.74	0.0321	134.42	0.1794
11.77	0.0324	138.35	0.1825
5.05	0.0264	140.16	0.1826
0.02	0.0217	142.63	0.1815
-0.04	0.0193	145.78	0.1804
-0.02	0.0177	142.52	0.1731
-0.02	0.0180	0.22	0.0124
0.02	0.0183		

MERIDIONAL STRAIN OF CYLINDER WALL BELOW EQ-A

GAGE WR0119 (CH 0627)

AZ = 359.53 DEGREES R = 11 FT 6.5 IN. V = 4 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 120 CHANNEL 628

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0086
5.33	0.0024	19.55	0.0216
12.31	0.0067	29.57	0.0345
16.44	0.0095	39.42	0.0464
20.51	0.0134	49.16	0.0577
20.46	0.0130	54.50	0.0639
20.47	0.0135	59.57	0.0708
27.05	0.0245	64.20	0.0777
34.69	0.0405	69.32	0.0852
34.53	0.0416	74.16	0.0905
34.53	0.0416	80.16	0.0993
39.70	0.0488	85.61	0.1067
45.90	0.0600	90.58	0.1129
45.65	0.0614	95.69	0.1207
45.62	0.0618	100.92	0.1285
50.10	0.0683	103.25	0.1325
53.47	0.0738	106.11	0.1361
53.29	0.0743	108.31	0.1394
53.21	0.0749	111.08	0.1433
50.49	0.0733	113.24	0.1468
46.14	0.0697	117.83	0.1535
46.13	0.0695	120.92	0.1581
44.97	0.0667	123.28	0.1615
38.98	0.0617	122.97	0.1617
33.99	0.0571	125.82	0.1653
33.96	0.0565	125.60	0.1649
26.83	0.0490	127.84	0.1681
21.88	0.0436	130.19	0.1720
21.90	0.0435	132.53	0.1762
16.69	0.0373	135.33	0.1813
11.74	0.0314	134.42	0.1811
11.77	0.0318	138.35	0.1866
5.05	0.0242	140.16	0.1876
0.02	0.0177	142.63	0.1880
-0.04	0.0158	145.78	0.1871
-0.02	0.0147	142.52	0.1821
-0.02	0.0141	0.22	0.0129
0.02	0.0151		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-A

GAGE WR0120 (CH 0628)

AZ = 359.53 DEGREES R = 11 FT 6.5 IN. V = 5 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 121 CHANNEL 629

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0023
5.33	0.0023	19.55	0.0079
12.31	0.0044	29.57	0.0130
16.44	0.0060	39.42	0.0183
20.51	0.0085	49.16	0.0227
20.46	0.0089	54.50	0.0252
20.47	0.0091	59.57	0.0273
27.05	0.0142	64.20	0.0303
34.69	0.0207	69.32	0.0333
34.53	0.0205	74.16	0.0360
34.53	0.0201	80.16	0.0377
39.70	0.0230	85.61	0.0415
45.90	0.0266	90.58	0.0455
45.65	0.0258	95.69	0.0497
45.62	0.0258	100.92	0.0546
50.10	0.0281	103.25	0.0567
53.47	0.0298	106.11	0.0596
53.29	0.0300	108.31	0.0616
53.21	0.0300	111.08	0.0642
50.49	0.0288	113.24	0.0663
46.14	0.0267	117.83	0.0701
46.13	0.0266	120.92	0.0731
44.97	0.0302	123.28	0.0753
38.98	0.0276	122.97	0.0763
33.99	0.0250	125.82	0.0797
33.96	0.0244	125.60	0.0823
26.83	0.0204	127.84	0.0858
21.88	0.0175	130.19	0.0918
21.90	0.0177	132.53	0.0979
16.69	0.0145	135.33	0.1064
11.74	0.0116	134.42	0.1076
11.77	0.0109	138.35	0.1167
5.05	0.0074	140.16	0.1230
0.02	0.0044	142.63	0.1315
-0.04	0.0045	145.78	0.1406
-0.02	0.0069	142.52	0.1439
-0.02	0.0068	0.22	0.0428
0.02	0.0059		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0121 (CH 0629)

AZ = 348.5 DEGREES R = 11 FT 6.3 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 122 CHANNEL 640

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0029
5.33	0.0015	19.55	0.0093
12.31	0.0047	29.57	0.0157
16.44	0.0061	39.42	0.0216
20.51	0.0095	49.16	0.0269
20.46	0.0103	54.50	0.0297
20.47	0.0101	59.57	0.0326
27.05	0.0150	64.20	0.0359
34.69	0.0220	69.32	0.0397
34.53	0.0224	74.16	0.0431
34.53	0.0221	80.16	0.0451
39.70	0.0249	85.61	0.0494
45.90	0.0291	90.58	0.0534
45.65	0.0286	95.69	0.0586
45.62	0.0287	100.92	0.0638
50.10	0.0309	103.25	0.0663
53.47	0.0336	106.11	0.0689
53.29	0.0329	108.31	0.0716
53.21	0.0333	111.08	0.0754
50.49	0.0322	113.24	0.0779
46.14	0.0301	117.83	0.0851
46.13	0.0296	120.92	0.0902
44.97	0.0321	123.28	0.0958
38.98	0.0300	122.97	0.0971
33.99	0.0274	125.82	0.1030
33.96	0.0267	125.60	0.1057
26.83	0.0226	127.84	0.1092
21.88	0.0199	130.19	0.1156
21.90	0.0199	132.53	0.1236
16.69	0.0167	135.33	0.1341
11.74	0.0139	134.42	0.1359
11.77	0.0127	138.35	0.1481
5.05	0.0091	140.16	0.1580
0.02	0.0058	142.63	0.1712
-0.04	0.0045	145.78	0.1843
-0.02	0.0068	142.52	0.1889
-0.02	0.0070	0.22	0.0670
0.02	0.0066		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WR0122 (CH 0640)
 AZ = 348 DEGREES R = 11 FT 6.3 IN. V = 13 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 123 CHANNEL 641

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0030
5.33	0.0021	19.55	0.0106
12.31	0.0059	29.57	0.0190
16.44	0.0081	39.42	0.0269
20.51	0.0111	49.16	0.0354
20.46	0.0110	54.50	0.0397
20.47	0.0109	59.57	0.0444
27.05	0.0180	64.20	0.0499
34.69	0.0261	69.32	0.0550
34.53	0.0262	74.16	0.0603
34.53	0.0266	80.16	0.0696
39.70	0.0305	85.61	0.0765
45.90	0.0366	90.58	0.0831
45.65	0.0376	95.69	0.0897
45.62	0.0376	100.92	0.0969
50.10	0.0418	103.25	0.0998
53.47	0.0455	106.11	0.1039
53.29	0.0458	108.31	0.1068
53.21	0.0458	111.08	0.1108
50.49	0.0448	113.24	0.1141
46.14	0.0422	117.83	0.1216
46.13	0.0422	120.92	0.1277
44.97	0.0374	123.28	0.1336
38.98	0.0332	122.97	0.1344
33.99	0.0298	125.82	0.1420
33.96	0.0295	125.60	0.1420
26.83	0.0239	127.84	0.1482
21.88	0.0202	130.19	0.1634
21.90	0.0199	132.53	0.1806
16.69	0.0152	135.33	0.1993
11.74	0.0116	134.42	0.2025
11.77	0.0116	138.35	0.2126
5.05	0.0067	140.16	0.2101
0.02	0.0030	142.63	0.2084
-0.04	0.0034	145.78	0.2118
-0.02	0.0010	142.52	0.2104
-0.02	0.0003	0.22	0.0875
0.02	0.0000		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A
GAGE WR0123 (CH 0641)
AZ = 336 DEGREES R = 11 FT 6.3 IN. V = 13 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 124 CHANNEL 642

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	0.0065
5.33	0.0012	19.55	0.0181
12.31	0.0053	29.57	0.0307
16.44	0.0076	39.42	0.0424
20.51	0.0111	49.16	0.0536
20.46	0.0113	54.50	0.0592
20.47	0.0112	59.57	0.0663
27.05	0.0186	64.20	0.0726
34.69	0.0316	69.32	0.0806
34.53	0.0322	74.16	0.0874
34.53	0.0329	80.16	0.1025
39.70	0.0411	85.61	0.1129
45.90	0.0523	90.58	0.1234
45.65	0.0555	95.69	0.1366
45.62	0.0568	100.92	0.1510
50.10	0.0633	103.25	0.1584
53.47	0.0696	106.11	0.1664
53.29	0.0710	108.31	0.1733
53.21	0.0710	111.08	0.1838
50.49	0.0696	113.24	0.1921
46.14	0.0655	117.83	0.2139
46.13	0.0658	120.92	0.2308
44.97	0.0632	123.28	0.2441
38.98	0.0569	122.97	0.2471
33.99	0.0511	125.82	0.2628
33.96	0.0503	125.60	0.2677
26.83	0.0414	127.84	0.2761
21.88	0.0337	130.19	0.2890
21.90	0.0315	132.53	0.3057
16.69	0.0255	135.33	0.3377
11.74	0.0204	134.42	0.3548
11.77	0.0214	138.35	0.4067
5.05	0.0149	140.16	0.4478
0.02	0.0099	142.63	0.5508
-0.04	0.0105	145.78	0.7566
-0.02	0.0099	142.52	0.8067
-0.02	0.0091	0.22	0.4998
0.02	0.0080		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0124 (CH 0642)
 AZ = 90 DEGREES R = 11 FT 7.3 IN. V = 8 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 125 CHANNEL 643

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0031
5.33	0.0028	19.55	0.0101
12.31	0.0060	29.57	0.0169
16.44	0.0079	39.42	0.0235
20.51	0.0107	49.16	0.0303
20.46	0.0113	54.50	0.0337
20.47	0.0115	59.57	0.0379
27.05	0.0161	64.20	0.0430
34.69	0.0215	69.32	0.0479
34.53	0.0222	74.16	0.0540
34.53	0.0220	80.16	0.0597
39.70	0.0253	85.61	0.0665
45.90	0.0304	90.58	0.0725
45.65	0.0310	95.69	0.0800
45.62	0.0306	100.92	0.0873
50.10	0.0340	103.25	0.0912
53.47	0.0377	106.11	0.0960
53.29	0.0381	108.31	0.0997
53.21	0.0388	111.08	0.1048
50.49	0.0371	113.24	0.1088
46.14	0.0353	117.83	0.1187
46.13	0.0350	120.92	0.1266
44.97	0.0370	123.28	0.1333
38.98	0.0336	122.97	0.1348
33.99	0.0310	125.82	0.1428
33.96	0.0308	125.60	0.1449
26.83	0.0269	127.84	0.1498
21.88	0.0245	130.19	0.1591
21.90	0.0242	132.53	0.1713
16.69	0.0207	135.33	0.1863
11.74	0.0167	134.42	0.1899
11.77	0.0151	138.35	0.2090
5.05	0.0108	140.16	0.2237
0.02	0.0075	142.63	0.2444
-0.04	0.0055	145.78	0.2646
-0.02	0.0059	142.52	0.2723
-0.02	0.0065	0.22	0.1311
0.02	0.0073		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A

GAGE WR0125 (CH 0643)

AZ = 89.5 DEGREES R = 11 FT 7.3 IN. V = 11 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 126 CHANNEL 644

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psi)	% Strain	Pressure (psi)	% Strain
-0.05	0.0014	9.89	0.0035
5.33	0.0039	19.55	0.0109
12.31	0.0073	29.57	0.0185
16.44	0.0103	39.42	0.0264
20.51	0.0143	49.16	0.0336
20.46	0.0145	54.50	0.0375
20.47	0.0155	59.57	0.0422
27.05	0.0212	64.20	0.0473
34.69	0.0270	69.32	0.0530
34.53	0.0272	74.16	0.0585
34.53	0.0276	80.16	0.0651
39.70	0.0313	85.61	0.0716
45.90	0.0356	90.58	0.0776
45.65	0.0355	95.69	0.0845
45.62	0.0356	100.92	0.0920
50.10	0.0391	103.25	0.0956
53.47	0.0427	106.11	0.0990
53.29	0.0428	108.31	0.1028
53.21	0.0432	111.08	0.1072
50.49	0.0418	113.24	0.1106
46.14	0.0394	117.83	0.1186
46.13	0.0390	120.92	0.1246
44.97	0.0400	123.28	0.1297
38.98	0.0365	122.97	0.1304
33.99	0.0334	125.82	0.1362
33.96	0.0338	125.60	0.1371
26.83	0.0289	127.84	0.1408
21.88	0.0256	130.19	0.1473
21.90	0.0258	132.53	0.1544
16.69	0.0222	135.33	0.1641
11.74	0.0180	134.42	0.1655
11.77	0.0174	138.35	0.1780
5.05	0.0123	140.16	0.1868
0.02	0.0081	142.63	0.1986
-0.04	0.0057	145.78	0.2095
-0.02	0.0058	142.52	0.2113
-0.02	0.0060	0.22	0.0838
0.02	0.0072		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0126 (CH 0644)
 AZ = 89.5 DEGREES R = 11 FT 7.3 IN. V = 11 FT 10 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 127 CHANNEL 645

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0055
5.33	0.0019	19.55	0.0158
12.31	0.0047	29.57	0.0267
16.44	0.0068	39.42	0.0373
20.51	0.0105	49.16	0.0473
20.46	0.0105	54.50	0.0531
20.47	0.0109	59.57	0.0588
27.05	0.0204	64.20	0.0645
34.69	0.0328	69.32	0.0707
34.53	0.0322	74.16	0.0767
34.53	0.0326	80.16	0.0879
39.70	0.0385	85.61	0.0951
45.90	0.0487	90.58	0.1018
45.65	0.0525	95.69	0.1087
45.62	0.0533	100.92	0.1154
50.10	0.0595	103.25	0.1190
53.47	0.0641	106.11	0.1231
53.29	0.0655	108.31	0.1262
53.21	0.0659	111.08	0.1303
50.49	0.0644	113.24	0.1344
46.14	0.0611	117.83	0.1427
46.13	0.0612	120.92	0.1480
44.97	0.0578	123.28	0.1532
38.98	0.0526	122.97	0.1533
33.99	0.0487	125.82	0.1594
33.96	0.0479	125.60	0.1600
26.83	0.0414	127.84	0.1645
21.88	0.0368	130.19	0.1725
21.90	0.0356	132.53	0.1851
16.69	0.0302	135.33	0.2039
11.74	0.0245	134.42	0.2077
11.77	0.0256	138.35	0.2361
5.05	0.0200	140.16	0.2596
0.02	0.0158	142.63	0.3143
-0.04	0.0153	145.78	0.4069
-0.02	0.0140	142.52	0.4467
-0.02	0.0131	0.22	0.2585
0.02	0.0131		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL NEAR SPRING LINE
 GAGE WR0127 (CH 0645)
 AZ = 94 DEGREES R = 11 FT 7.3 IN. V = 23 FT 10 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 128 CHANNEL 646

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0029
5.33	0.0016	19.55	0.0111
12.31	0.0037	29.57	0.0191
16.44	0.0052	39.42	0.0274
20.51	0.0074	49.16	0.0352
20.46	0.0079	54.50	0.0394
20.47	0.0080	59.57	0.0439
27.05	0.0146	64.20	0.0487
34.69	0.0240	69.32	0.0545
34.53	0.0236	74.16	0.0596
34.53	0.0239	80.16	0.0697
39.70	0.0281	85.61	0.0763
45.90	0.0358	90.58	0.0827
45.65	0.0395	95.69	0.0894
45.62	0.0406	100.92	0.0964
50.10	0.0452	103.25	0.1000
53.47	0.0498	106.11	0.1033
53.29	0.0507	108.31	0.1061
53.21	0.0510	111.08	0.1105
50.49	0.0503	113.24	0.1137
46.14	0.0480	117.83	0.1212
46.13	0.0480	120.92	0.1267
44.97	0.0462	123.28	0.1316
38.98	0.0427	122.97	0.1319
33.99	0.0393	125.82	0.1368
33.96	0.0387	125.60	0.1376
26.83	0.0334	127.84	0.1414
21.88	0.0297	130.19	0.1477
21.90	0.0287	132.53	0.1572
16.69	0.0246	135.33	0.1731
11.74	0.0200	134.42	0.1766
11.77	0.0206	138.35	0.2012
5.05	0.0161	140.16	0.2219
0.02	0.0133	142.63	0.2526
-0.04	0.0137	145.78	0.2824
-0.02	0.0125	142.52	0.2903
-0.02	0.0119	0.22	0.1276
0.02	0.0109		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0128 (CH 0646)

AZ = 94 DEGREES R = 11 FT 6.8 IN. V = 24 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 129 CHANNEL 647

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0048
5.33	0.0019	19.55	0.0157
12.31	0.0036	29.57	0.0272
16.44	0.0056	39.42	0.0378
20.51	0.0107	49.16	0.0487
20.46	0.0116	54.50	0.0543
20.47	0.0124	59.57	0.0609
27.05	0.0229	64.20	0.0680
34.69	0.0343	69.32	0.0757
34.53	0.0351	74.16	0.0843
34.53	0.0354	80.16	0.0935
39.70	0.0407	85.61	0.1029
45.90	0.0524	90.58	0.1122
45.65	0.0532	95.69	0.1218
45.62	0.0528	100.92	0.1329
50.10	0.0585	103.25	0.1385
53.47	0.0635	106.11	0.1438
53.29	0.0640	108.31	0.1482
53.21	0.0641	111.08	0.1545
50.49	0.0630	113.24	0.1596
46.14	0.0594	117.83	0.1702
46.13	0.0589	120.92	0.1781
44.97	0.0586	123.28	0.1859
38.98	0.0542	122.97	0.1871
33.99	0.0495	125.82	0.1943
33.96	0.0493	125.60	0.1962
26.83	0.0421	127.84	0.2003
21.88	0.0377	130.19	0.2070
21.90	0.0374	132.53	0.2134
16.69	0.0326	135.33	0.2216
11.74	0.0278	134.42	0.2233
11.77	0.0267	138.35	0.2327
5.05	0.0201	140.16	0.2394
0.02	0.0158	142.63	0.2480
-0.04	0.0150	145.78	0.2572
-0.02	0.0151	142.52	0.2571
-0.02	0.0149	0.22	0.0606
0.02	0.0151		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-B

GAGE WR0129 (CH 0647)

AZ = 179 DEGREES R = 11 FT 7.3 IN. V = 10 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 130 CHANNEL 648

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	0.0054
5.33	0.0030	19.55	0.0170
12.31	0.0063	29.57	0.0291
16.44	0.0088	39.42	0.0409
20.51	0.0136	49.16	0.0514
20.46	0.0149	54.50	0.0580
20.47	0.0158	59.57	0.0642
27.05	0.0260	64.20	0.0701
34.69	0.0384	69.32	0.0771
34.53	0.0395	74.16	0.0830
34.53	0.0398	80.16	0.0907
39.70	0.0467	85.61	0.0974
45.90	0.0585	90.58	0.1037
45.65	0.0598	95.69	0.1110
45.62	0.0594	100.92	0.1193
50.10	0.0652	103.25	0.1230
53.47	0.0702	106.11	0.1268
53.29	0.0704	108.31	0.1307
53.21	0.0707	111.08	0.1352
50.49	0.0690	113.24	0.1381
46.14	0.0651	117.83	0.1461
46.13	0.0646	120.92	0.1519
44.97	0.0634	123.28	0.1559
38.98	0.0588	122.97	0.1575
33.99	0.0543	125.82	0.1630
33.96	0.0541	125.60	0.1640
26.83	0.0466	127.84	0.1677
21.88	0.0415	130.19	0.1728
21.90	0.0411	132.53	0.1781
16.69	0.0359	135.33	0.1852
11.74	0.0306	134.42	0.1858
11.77	0.0297	138.35	0.1943
5.05	0.0227	140.16	0.1998
0.02	0.0169	142.63	0.2083
-0.04	0.0147	145.78	0.2166
-0.02	0.0149	142.52	0.2177
-0.02	0.0150	0.22	0.0526
0.02	0.0153		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-B
GAGE WR0130 (CH 0648)
AZ = 179 DEGREES R = 11 FT 7.3 IN. V = 10 FT 9.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 131 CHANNEL 649

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0013	9.89	0.0059
5.33	0.0011	19.55	0.0169
12.31	0.0041	29.57	0.0291
16.44	0.0066	39.42	0.0401
20.51	0.0114	49.16	0.0504
20.46	0.0120	54.50	0.0558
20.47	0.0130	59.57	0.0616
27.05	0.0230	64.20	0.0676
34.69	0.0348	69.32	0.0732
34.53	0.0360	74.16	0.0788
34.53	0.0364	80.16	0.0840
39.70	0.0419	85.61	0.0899
45.90	0.0537	90.58	0.0943
45.65	0.0542	95.69	0.0991
45.62	0.0545	100.92	0.1042
50.10	0.0590	103.25	0.1062
53.47	0.0640	106.11	0.1094
53.29	0.0638	108.31	0.1113
53.21	0.0640	111.08	0.1143
50.49	0.0619	113.24	0.1167
46.14	0.0583	117.83	0.1219
46.13	0.0582	120.92	0.1253
44.97	0.0566	123.28	0.1276
38.98	0.0517	122.97	0.1272
33.99	0.0470	125.82	0.1315
33.96	0.0465	125.60	0.1308
26.83	0.0393	127.84	0.1334
21.88	0.0344	130.19	0.1370
21.90	0.0342	132.53	0.1410
16.69	0.0293	135.33	0.1451
11.74	0.0234	134.42	0.1444
11.77	0.0228	138.35	0.1502
5.05	0.0163	140.16	0.1541
0.02	0.0108	142.63	0.1592
-0.04	0.0094	145.78	0.1644
-0.02	0.0099	142.52	0.1626
-0.02	0.0101	0.22	0.0293
0.02	0.0100		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-B
 GAGE WR0131 (CH 0649)
 AZ = 179 DEGREES R = 11 FT 7.3 IN. V = 10 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 132 CHANNEL 660

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0030
5.33	0.0014	19.55	0.0113
12.31	0.0034	29.57	0.0202
16.44	0.0053	39.42	0.0288
20.51	0.0100	49.16	0.0377
20.46	0.0107	54.50	0.0426
20.47	0.0110	59.57	0.0475
27.05	0.0186	64.20	0.0526
34.69	0.0277	69.32	0.0584
34.53	0.0280	74.16	0.0640
34.53	0.0278	80.16	0.0729
39.70	0.0324	85.61	0.0801
45.90	0.0395	90.58	0.0863
45.65	0.0408	95.69	0.0935
45.62	0.0412	100.92	0.1009
50.10	0.0466	103.25	0.1038
53.47	0.0507	106.11	0.1080
53.29	0.0511	108.31	0.1114
53.21	0.0513	111.08	0.1156
50.49	0.0501	113.24	0.1185
46.14	0.0471	117.83	0.1264
46.13	0.0470	120.92	0.1316
44.97	0.0454	123.28	0.1357
38.98	0.0409	122.97	0.1359
33.99	0.0374	125.82	0.1402
33.96	0.0372	125.60	0.1409
26.83	0.0316	127.84	0.1449
21.88	0.0277	130.19	0.1516
21.90	0.0273	132.53	0.1618
16.69	0.0236	135.33	0.1783
11.74	0.0195	134.42	0.1822
11.77	0.0196	138.35	0.2110
5.05	0.0149	140.16	0.2384
0.02	0.0114	142.63	0.2797
-0.04	0.0102	145.78	0.3179
-0.02	0.0100	142.52	0.3371
-0.02	0.0103	0.22	0.1685
0.02	0.0102		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0132 (CH 0660)

AZ = 215 DEGREES R = 11 FT 6.5 IN. V = 24 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 133 CHANNEL 661

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0094
5.33	0.0038	19.55	0.0235
12.31	0.0087	29.57	0.0376
16.44	0.0119	39.42	0.0509
20.51	0.0170	49.16	0.0639
20.46	0.0175	54.50	0.0712
20.47	0.0180	59.57	0.0788
27.05	0.0288	64.20	0.0868
34.69	0.0426	69.32	0.0962
34.53	0.0434	74.16	0.1060
34.53	0.0439	80.16	0.1213
39.70	0.0515	85.61	0.1330
45.90	0.0634	90.58	0.1442
45.65	0.0653	95.69	0.1572
45.62	0.0661	100.92	0.1717
50.10	0.0730	103.25	0.1793
53.47	0.0794	106.11	0.1877
53.29	0.0809	108.31	0.1944
53.21	0.0810	111.08	0.2080
50.49	0.0791	113.24	0.2176
46.14	0.0749	117.83	0.2409
46.13	0.0747	120.92	0.2583
44.97	0.0704	123.28	0.2726
38.98	0.0643	122.97	0.2734
33.99	0.0584	125.82	0.2904
33.96	0.0588	125.60	0.2955
26.83	0.0496	127.84	0.3083
21.88	0.0436	130.19	0.3322
21.90	0.0430	132.53	0.3631
16.69	0.0365	135.33	0.3988
11.74	0.0298	134.42	0.4052
11.77	0.0303	138.35	0.4484
5.05	0.0222	140.16	0.4928
0.02	0.0159	142.63	0.5542
-0.04	0.0074	145.78	0.6461
-0.02	0.0087	142.52	0.6805
-0.02	0.0109	0.22	0.3699
0.02	0.0124		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B

GAGE WR0133 (CH 0661)

AZ = 269.5 DEGREES R = 11 FT 7.3 IN. V = 10 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 134 CHANNEL 662

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0019
5.33	0.0025	19.55	0.0083
12.31	0.0052	29.57	0.0150
16.44	0.0075	39.42	0.0219
20.51	0.0104	49.16	0.0284
20.46	0.0108	54.50	0.0328
20.47	0.0110	59.57	0.0371
27.05	0.0151	64.20	0.0416
34.69	0.0208	69.32	0.0465
34.53	0.0217	74.16	0.0515
34.53	0.0217	80.16	0.0577
39.70	0.0250	85.61	0.0647
45.90	0.0306	90.58	0.0706
45.65	0.0310	95.69	0.0779
45.62	0.0315	100.92	0.0854
50.10	0.0351	103.25	0.0892
53.47	0.0382	106.11	0.0931
53.29	0.0390	108.31	0.0965
53.21	0.0393	111.08	0.1016
50.49	0.0378	113.24	0.1048
46.14	0.0355	117.83	0.1138
46.13	0.0353	120.92	0.1206
44.97	0.0368	123.28	0.1272
38.98	0.0332	122.97	0.1293
33.99	0.0299	125.82	0.1367
33.96	0.0301	125.60	0.1381
26.83	0.0253	127.84	0.1426
21.88	0.0224	130.19	0.1500
21.90	0.0217	132.53	0.1584
16.69	0.0185	135.33	0.1695
11.74	0.0155	134.42	0.1709
11.77	0.0150	138.35	0.1819
5.05	0.0107	140.16	0.1898
0.02	0.0072	142.63	0.1996
-0.04	0.0071	145.78	0.2102
-0.02	0.0069	142.52	0.2121
-0.02	0.0069	0.22	0.0808
0.02	0.0065		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B
 GAGE WR0134 (CH 0662)
 AZ = 269.5 DEGREES R = 11 FT 7.3 IN. V = 11 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 135 CHANNEL 663

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0003
5.33	0.0024	19.55	0.0041
12.31	0.0052	29.57	0.0089
16.44	0.0074	39.42	0.0141
20.51	0.0109	49.16	0.0191
20.46	0.0111	54.50	0.0218
20.47	0.0111	59.57	0.0248
27.05	0.0159	64.20	0.0280
34.69	0.0194	69.32	0.0313
34.53	0.0190	74.16	0.0351
34.53	0.0190	80.16	0.0386
39.70	0.0207	85.61	0.0434
45.90	0.0220	90.58	0.0475
45.55	0.0216	95.69	0.0523
45.62	0.0213	100.92	0.0576
50.10	0.0229	103.25	0.0604
53.47	0.0240	106.11	0.0630
53.29	0.0243	108.31	0.0653
53.21	0.0243	111.08	0.0681
50.49	0.0226	113.24	0.0704
46.14	0.0210	117.83	0.0761
46.13	0.0209	120.92	0.0803
44.97	0.0212	123.28	0.0851
38.98	0.0183	122.97	0.0862
33.99	0.0157	125.82	0.0910
33.96	0.0154	125.60	0.0918
26.83	0.0117	127.84	0.0947
21.88	0.0094	130.19	0.0990
21.90	0.0089	132.53	0.1043
16.69	0.0061	135.33	0.1104
11.74	0.0039	134.42	0.1112
11.77	0.0036	138.35	0.1178
5.05	0.0004	140.16	0.1220
0.02	-0.0017	142.63	0.1279
-0.04	-0.0011	145.78	0.1326
-0.02	-0.0012	142.52	0.1327
-0.02	-0.0017	0.22	0.0442
0.02	-0.0018		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW PL-B

GAGE WR0135 (CH 0663)

AZ = 269.5 DEGREES R = 11 FT 7.3 IN. V = 11 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 136 CHANNEL 664

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0073
5.33	0.0032	19.55	0.0195
12.31	0.0072	29.57	0.0328
16.44	0.0108	39.42	0.0459
20.51	0.0164	49.16	0.0588
20.46	0.0174	54.50	0.0657
20.47	0.0174	59.57	0.0728
27.05	0.0297	64.20	0.0794
34.69	0.0431	69.32	0.0870
34.53	0.0434	74.16	0.0936
34.53	0.0437	80.16	0.1046
39.70	0.0506	85.61	0.1126
45.90	0.0601	90.58	0.1205
45.65	0.0611	95.69	0.1294
45.62	0.0614	100.92	0.1380
50.10	0.0671	103.25	0.1423
53.47	0.0715	106.11	0.1473
53.29	0.0719	108.31	0.1509
53.21	0.0719	111.08	0.1568
50.49	0.0699	113.24	0.1609
46.14	0.0656	117.83	0.1714
46.13	0.0653	120.92	0.1787
44.97	0.0617	123.28	0.1842
38.98	0.0560	122.97	0.1846
33.99	0.0504	125.82	0.1930
33.96	0.0500	125.60	0.1945
26.83	0.0414	127.84	0.2011
21.88	0.0354	130.19	0.2129
21.90	0.0347	132.53	0.2276
16.69	0.0284	135.33	0.2504
11.74	0.0220	134.42	0.2524
11.77	0.0220	138.35	0.2696
5.05	0.0140	140.16	0.2797
0.02	0.0085	142.63	0.2905
-0.04	0.0054	145.78	0.2950
-0.02	0.0051	142.52	0.2936
-0.02	0.0050	0.22	0.0824
0.02	0.0050		

CIRCUMFERENTIAL STRAIN OF CONSTRAINED PENETRATION

GAGE WR0136 (CH 0664)

AZ = 314 DEGREES R = 11 FT 7.5 IN. V = 20 FT 6.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 137 CHANNEL 665

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0075
5.33	0.0028	19.55	0.0196
12.31	0.0068	29.57	0.0331
16.44	0.0101	39.42	0.0455
20.51	0.0149	49.16	0.0573
20.46	0.0158	54.50	0.0641
20.47	0.0164	59.57	0.0709
27.05	0.0260	64.20	0.0782
34.69	0.0389	69.32	0.0864
34.53	0.0398	74.16	0.0950
34.53	0.0399	80.16	0.1088
39.70	0.0470	85.61	0.1191
45.90	0.0570	90.58	0.1284
45.65	0.0586	95.69	0.1387
45.62	0.0591	100.92	0.1496
50.10	0.0652	103.25	0.1556
53.47	0.0705	106.11	0.1611
53.29	0.0715	108.31	0.1658
53.21	0.0718	111.08	0.1729
50.49	0.0700	113.24	0.1781
46.14	0.0661	117.83	0.1905
46.13	0.0658	120.92	0.1996
44.97	0.0631	123.28	0.2073
38.98	0.0575	122.97	0.2077
33.99	0.0526	125.82	0.2171
33.96	0.0525	125.60	0.2188
26.83	0.0447	127.84	0.2260
21.88	0.0390	130.19	0.2388
21.90	0.0386	132.53	0.2500
16.69	0.0328	135.33	0.2617
11.74	0.0269	134.42	0.2631
11.77	0.0263	138.35	0.2704
5.05	0.0191	140.16	0.2741
0.02	0.0138	142.63	0.2794
-0.04	0.0105	145.78	0.2845
-0.02	0.0100	142.52	0.2832
-0.02	0.0099	0.22	0.0499
0.02	0.0098		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL ABOVE CONSTRAINED PENETRATION
GAGE WR0137 (CH 0665)

AZ = 314.5 DEGREES R = 11 FT 7.5 IN. V = 20 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 138 CHANNEL 666

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0013	9.89	0.0036
5.33	0.0009	19.55	0.0118
12.31	0.0030	29.57	0.0204
16.44	0.0050	39.42	0.0284
20.51	0.0080	49.16	0.0363
20.46	0.0088	54.50	0.0407
20.47	0.0090	59.57	0.0458
27.05	0.0171	64.20	0.0508
34.69	0.0282	69.32	0.0560
34.53	0.0293	74.16	0.0615
34.53	0.0294	80.16	0.0697
39.70	0.0342	85.61	0.0757
45.90	0.0419	90.58	0.0819
45.65	0.0435	95.69	0.0885
45.62	0.0440	100.92	0.0948
50.10	0.0482	103.25	0.0982
53.47	0.0524	106.11	0.1019
53.29	0.0532	108.31	0.1048
53.21	0.0534	111.08	0.1089
50.49	0.0524	113.24	0.1120
46.14	0.0501	117.83	0.1201
46.13	0.0497	120.92	0.1258
44.97	0.0487	123.28	0.1303
38.98	0.0449	122.97	0.1313
33.99	0.0419	125.82	0.1356
33.96	0.0415	125.60	0.1361
26.83	0.0364	127.84	0.1397
21.88	0.0328	130.19	0.1450
21.90	0.0325	132.53	0.1511
16.69	0.0286	135.33	0.1598
11.74	0.0247	134.42	0.1610
11.77	0.0247	138.35	0.1750
5.05	0.0199	140.16	0.1884
0.02	0.0161	142.63	0.2082
-0.04	0.0141	145.78	0.2287
-0.02	0.0137	142.52	0.2325
-0.02	0.0134	0.22	0.0811
0.02	0.0140		

CIRCUMFERENTIAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0138 (CH 0666)

AZ = 341.5 DEGREES R = 11 FT 6.8 IN. V = 24 FT 5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 139 CHANNEL 667

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0030
5.33	0.0025	19.55	0.0099
12.31	0.0050	29.57	0.0168
16.44	0.0065	39.42	0.0238
20.51	0.0085	49.16	0.0311
20.46	0.0087	54.50	0.0362
20.47	0.0088	59.57	0.0413
27.05	0.0136	64.20	0.0484
34.69	0.0215	69.32	0.0562
34.53	0.0223	74.16	0.0647
34.53	0.0221	80.16	0.0736
39.70	0.0264	85.61	0.0836
45.90	0.0324	90.58	0.0933
45.65	0.0335	95.69	0.1042
45.62	0.0339	100.92	0.1156
50.10	0.0376	103.25	0.1217
53.47	0.0423	106.11	0.1274
53.29	0.0429	108.31	0.1322
53.21	0.0432	111.08	0.1394
50.49	0.0422	113.24	0.1445
46.14	0.0397	117.83	0.1568
46.13	0.0396	120.92	0.1660
44.97	0.0410	123.28	0.1740
38.98	0.0376	122.97	0.1758
33.99	0.0344	125.82	0.1841
33.96	0.0344	125.60	0.1865
26.83	0.0298	127.84	0.1922
21.88	0.0264	130.19	0.2009
21.90	0.0263	132.53	0.2113
16.69	0.0227	135.33	0.2256
11.74	0.0192	134.42	0.2287
11.77	0.0188	138.35	0.2494
5.05	0.0140	140.16	0.2654
0.02	0.0104	142.63	0.2921
-0.04	0.0088	145.78	0.3201
-0.02	0.0095	142.52	0.3307
-0.02	0.0101	0.22	0.1474
0.02	0.0100		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-A

SAGE WR0139 (CH 0667)

AZ = 0.5 DEGREES R = 11 FT 7.3 IN. V = 9 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 140 CHANNEL 668

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0050
5.33	0.0040	19.55	0.0149
12.31	0.0084	29.57	0.0250
16.44	0.0110	39.42	0.0349
20.51	0.0150	49.16	0.0442
20.46	0.0153	54.50	0.0498
20.47	0.0151	59.57	0.0560
27.05	0.0218	64.20	0.0631
34.69	0.0291	69.32	0.0713
34.53	0.0291	74.16	0.0785
34.53	0.0290	80.16	0.0867
39.70	0.0336	85.61	0.0950
45.90	0.0397	90.58	0.1035
45.65	0.0392	95.69	0.1125
45.62	0.0387	100.92	0.1233
50.10	0.0439	103.25	0.1287
53.47	0.0514	106.11	0.1349
53.29	0.0518	108.31	0.1396
53.21	0.0518	111.08	0.1471
50.49	0.0504	113.24	0.1531
46.14	0.0467	117.83	0.1676
46.13	0.0467	120.92	0.1785
44.97	0.0476	123.28	0.1880
38.98	0.0424	122.97	0.1901
33.99	0.0382	125.82	0.2013
33.96	0.0380	125.60	0.2042
26.83	0.0312	127.84	0.2122
21.88	0.0266	130.19	0.2251
21.90	0.0263	132.53	0.2433
16.69	0.0210	135.33	0.2685
11.74	0.0162	134.42	0.2736
11.77	0.0156	138.35	0.3063
5.05	0.0091	140.16	0.3339
0.02	0.0042	142.63	0.3703
-0.04	0.0026	145.78	0.4214
-0.02	0.0041	142.52	0.4562
-0.02	0.0043	0.22	0.2446
0.02	0.0041		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-A

GAGE WR0140 (CH 0668)

AZ = 0.5 DEGREES R = 11 FT 7.3 IN. V = 10 FT 8.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 141 CHANNEL 669

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0039
5.33	0.0029	19.55	0.0122
12.31	0.0077	29.57	0.0203
16.44	0.0103	39.42	0.0283
20.51	0.0144	49.16	0.0364
20.46	0.0146	54.50	0.0410
20.47	0.0151	59.57	0.0461
27.05	0.0207	64.20	0.0527
34.69	0.0283	69.32	0.0587
34.53	0.0281	74.16	0.0650
34.53	0.0277	80.16	0.0720
39.70	0.0315	85.61	0.0794
45.90	0.0362	90.58	0.0864
45.65	0.0355	95.69	0.0940
45.62	0.0350	100.92	0.1025
50.10	0.0390	103.25	0.1068
53.47	0.0443	106.11	0.1118
53.29	0.0445	108.31	0.1161
53.21	0.0444	111.08	0.1227
50.49	0.0429	113.24	0.1278
46.14	0.0397	117.83	0.1417
46.13	0.0398	120.92	0.1530
44.97	0.0404	123.28	0.1639
38.98	0.0359	122.97	0.1664
33.99	0.0322	125.82	0.1791
33.96	0.0323	125.60	0.1829
26.83	0.0268	127.84	0.1917
21.88	0.0228	130.19	0.2082
21.90	0.0226	132.53	0.2310
16.69	0.0181	135.33	0.2655
11.74	0.0133	134.42	0.2750
11.77	0.0133	138.35	0.3226
5.05	0.0076	140.16	0.3676
0.02	0.0033	142.63	0.4228
-0.04	0.0028	145.78	0.4791
-0.02	0.0038	142.52	0.5090
-0.02	0.0036	0.22	0.3234
0.02	0.0035		

CIRCUMFERENTIAL STRAIN OF CYLINDER WALL BELOW EQ-A
 GAGE WR0141 (CH 0669)
 AZ = 0.5 DEGREES R = 11 FT 7.3 IN. V = 10 FT 10.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 142 CHANNEL 680

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	0.0084
5.33	0.0017	19.55	0.0205
12.31	0.0062	29.57	0.0322
16.44	0.0083	39.42	0.0419
20.51	0.0117	49.16	0.0515
20.46	0.0103	54.50	0.0560
20.47	0.0098	59.57	0.0608
27.05	0.0183	64.20	0.0653
34.69	0.0308	69.32	0.0708
34.53	0.0310	74.16	0.0757
34.53	0.0318	80.16	0.0853
39.70	0.0394	85.61	0.0908
45.90	0.0496	90.58	0.0974
45.65	0.0515	95.69	0.1036
45.62	0.0522	100.92	0.1104
50.10	0.0580	103.25	0.1133
53.47	0.0612	106.11	0.1171
53.29	0.0625	108.31	0.1199
53.21	0.0620	111.08	0.1236
50.49	0.0606	113.24	0.1271
46.14	0.0572	117.83	0.1341
46.13	0.0576	120.92	0.1394
44.97	0.0538	123.28	0.1436
38.98	0.0483	122.97	0.1439
33.99	0.0428	125.82	0.1500
33.96	0.0407	125.60	0.1511
26.83	0.0335	127.84	0.1545
21.88	0.0285	130.19	0.1619
21.90	0.0284	132.53	0.1724
16.69	0.0227	135.33	0.1872
11.74	0.0167	134.42	0.1893
11.77	0.0182	138.35	0.2098
5.05	0.0109	140.16	0.2305
0.02	0.0050	142.63	0.2718
-0.04	0.0066	145.78	0.3094
-0.02	0.0055	142.52	0.3384
-0.02	0.0046	0.22	0.1856
0.02	0.0030		

FREE FIELD CIRCUMFERENTIAL STRAIN OF CYLINDER WALL

GAGE WR0142 (CH 0680)

AZ = 44.33 DEGREES R = 11 FT 7.5 IN. V = 4 FT 1.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 143 CHANNEL 681

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0088
5.33	0.0026	19.55	0.0227
12.31	0.0080	29.57	0.0367
16.44	0.0112	39.42	0.0508
20.51	0.0165	49.16	0.0629
20.46	0.0169	54.50	0.0705
20.47	0.0169	59.57	0.0779
27.05	0.0270	64.20	0.0855
34.69	0.0420	69.32	0.0948
34.53	0.0424	74.16	0.1036
34.53	0.0429	80.16	0.1180
39.70	0.0512	85.61	0.1291
45.90	0.0628	90.58	0.1400
45.65	0.0644	95.69	0.1524
45.62	0.0654	100.92	0.1664
50.10	0.0718	103.25	0.1734
53.47	0.0782	106.11	0.1809
53.29	0.0790	108.31	0.1866
53.21	0.0791	111.08	0.1963
50.49	0.0769	113.24	0.2032
46.14	0.0723	117.83	0.2224
46.13	0.0721	120.92	0.2391
44.97	0.0698	123.28	0.2533
38.98	0.0631	122.97	0.2563
33.99	0.0571	125.82	0.2788
33.96	0.0560	125.60	0.2826
26.83	0.0468	127.84	0.2937
21.88	0.0400	130.19	0.3175
21.90	0.0399	132.53	0.3481
16.69	0.0330	135.33	0.3807
11.74	0.0262	134.42	0.3856
11.77	0.0267	138.35	0.4507
5.05	0.0186	140.16	0.5042
0.02	0.0120	142.63	0.5314
-0.04	0.0114	145.78	0.6096
-0.02	0.0105	142.52	0.6598
-0.02	0.0100	0.22	0.3772
0.02	0.0100		

FREE FIELD CIRCUMFERENTIAL STRAIN OF CYLINDER WALL
GAGE WR0143 (CH 0681)
AZ = 45.5 DEGREES R = 11 FT 7.3 IN. V = 6 FT 9 IN.

FREE FIELD CIRCUMFERENTIAL STRAIN OF CYLINDER WALL
 GAGE "70144 (CH 0682)
 AZ = 46 DEGREES P = 11 FT 7.3 IN. V = 9 FT 6.5 IN.

IMAGE EVALUATION
TEST TARGET (MT-3)

Photographic Sciences Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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24

REDUCTION

FREE FIELD CIRCUMFERENTIAL STRAIN OF CYLINDER WALL
 GAGE "R0144 (CH 0682)
 AZ = 46 DEGREES R = 11 FT 7.3 IN. V = 9 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 145 CHANNEL 683

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0014	9.89	0.0084
5.33	0.0028	19.55	0.0215
12.31	0.0072	29.57	0.0352
16.44	0.0102	39.42	0.0486
20.51	0.0167	49.16	0.0611
20.46	0.0174	54.50	0.0679
20.47	0.0182	59.57	0.0752
27.05	0.0317	64.20	0.0822
34.69	0.0466	69.32	0.0894
34.53	0.0471	74.16	0.0966
34.53	0.0475	80.16	0.1089
39.70	0.0553	85.61	0.1171
45.90	0.0662	90.58	0.1250
45.65	0.0677	95.69	0.1333
45.62	0.0686	100.92	0.1421
50.10	0.0746	103.25	0.1466
53.47	0.0800	106.11	0.1517
53.29	0.0807	108.31	0.1555
53.21	0.0812	111.08	0.1614
50.49	0.0788	113.24	0.1658
46.14	0.0741	117.83	0.1764
46.13	0.0741	120.92	0.1843
44.97	0.0700	123.28	0.1912
38.98	0.0637	122.97	0.1921
33.99	0.0579	125.82	0.2002
33.96	0.0574	125.60	0.2012
26.83	0.0489	127.84	0.2072
21.88	0.0422	130.19	0.2186
21.90	0.0423	132.53	0.2322
16.69	0.0357	135.33	0.2474
11.74	0.0293	134.42	0.2518
11.77	0.0296	138.35	0.2788
5.05	0.0220	140.16	0.3110
0.02	0.0162	142.63	0.3600
-0.04	0.0141	145.78	0.4517
-0.02	0.0135	142.52	0.4688
-0.02	0.0126	0.22	0.2169
0.02	0.0127		

FREE FIELD CIRCUMFERENTIAL STRAIN OF CYLINDER WALL

GAGE WR0145 (CH 0683)

AZ = 44.5 DEGREES R = 11 FT 7.3 IN. V = 21 FT 10.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 146 CHANNEL 684

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0013	9.89	-0.0033
5.33	-0.0008	19.55	-0.0031
12.31	-0.0004	29.57	-0.0033
16.44	-0.0003	39.42	-0.0030
20.51	-0.0004	49.16	-0.0031
20.46	-0.0007	54.50	-0.0029
20.47	-0.0005	59.57	-0.0028
27.05	0.0000	64.20	-0.0026
34.69	-0.0001	69.32	-0.0022
34.53	0.0002	74.16	-0.0022
34.53	0.0004	80.16	-0.0019
39.70	0.0005	85.61	0.0032
45.90	0.0006	90.58	0.0074
45.65	0.0006	95.69	0.0105
45.62	0.0002	100.92	0.0139
50.10	-0.0003	103.25	0.0161
53.47	-0.0004	106.11	0.0178
53.29	-0.0002	108.31	0.0190
53.21	-0.0002	111.08	0.0214
50.49	-0.0005	113.24	0.0235
46.14	-0.0006	117.83	0.0271
46.13	-0.0006	120.92	0.0300
44.97	0.0000	123.28	0.0330
38.98	0.0000	122.97	0.0339
33.99	-0.0003	125.82	0.0363
33.96	-0.0001	125.60	0.0380
26.83	-0.0002	127.84	0.0394
21.88	-0.0004	130.19	0.0427
21.90	-0.0002	132.53	0.0466
16.69	-0.0001	135.33	0.0519
11.74	0.0000	134.42	0.0541
11.77	-0.0004	138.35	0.0563
5.05	-0.0007	140.16	0.0622
0.02	-0.0004	142.63	0.0654
-0.04	-0.0009	145.78	0.0680
-0.02	-0.0013	142.52	0.0681
-0.02	-0.0011	0.22	0.0324
0.02	-0.0012		

DIAGONAL REBAR STRAIN LOWER BASEMAT REGION

GAGE WR0146 (CH 0684)

AZ = 101.73 DEGREES R = 11 FT 8 IN. V = 0.0 FT -9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 147 CHANNEL 685

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	-0.0068
5.33	-0.0002	19.55	-0.0087
12.31	-0.0018	29.57	-0.0099
16.44	-0.0032	39.42	-0.0104
20.51	-0.0053	49.16	-0.0111
20.46	-0.0062	54.50	-0.0109
20.47	-0.0071	59.57	-0.0109
27.05	-0.0081	64.20	-0.0096
34.69	-0.0090	69.32	-0.0094
34.53	-0.0097	74.16	-0.0094
34.53	-0.0087	80.16	-0.0055
39.70	-0.0087	85.61	-0.0040
45.90	-0.0088	90.58	-0.0021
45.65	-0.0088	95.69	0.0007
45.62	-0.0086	100.92	0.0027
50.10	-0.0090	103.25	0.0046
53.47	-0.0088	106.11	0.0051
53.29	-0.0085	108.31	0.0063
53.21	-0.0085	111.08	0.0081
50.49	-0.0081	113.24	0.0090
46.14	-0.0085	117.83	0.0115
46.13	-0.0085	120.92	0.0138
44.97	-0.0081	123.28	0.0153
38.98	-0.0081	122.97	0.0155
33.99	-0.0081	125.82	0.0169
33.96	-0.0087	125.60	0.0168
26.83	-0.0088	127.84	0.0179
21.88	-0.0093	130.19	0.0206
21.90	-0.0099	132.53	0.0237
16.69	-0.0104	135.33	0.0273
11.74	-0.0095	134.42	0.0284
11.77	-0.0091	138.35	0.0333
5.05	-0.0073	140.16	0.0366
0.02	-0.0051	142.63	0.0417
-0.04	0.0004	145.78	0.0456
-0.02	-0.0002	142.52	0.0448
-0.02	-0.0004	0.22	0.0067
0.02	-0.0014		

DIAGONAL REBAR STRAIN OF UPPER BASEMAT REGION

GAGE WR0147 (CH 0685)

AZ = 90.8 DEGREES R = 11 FT 7.8 IN. V = 1 FT 5.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 148 CHANNEL 686

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0064
5.33	-0.0005	19.55	-0.0072
12.31	-0.0023	29.57	-0.0069
16.44	-0.0035	39.42	-0.0065
20.51	-0.0045	49.16	-0.0058
20.46	-0.0051	54.50	-0.0060
20.47	-0.0053	59.57	-0.0055
27.05	-0.0059	64.20	-0.0050
34.69	-0.0058	69.32	-0.0047
34.53	-0.0051	74.16	-0.0049
34.53	-0.0051	80.16	-0.0024
39.70	-0.0049	85.61	-0.0017
45.90	-0.0044	90.58	-0.0012
45.65	-0.0040	95.69	-0.0002
45.62	-0.0040	100.92	0.0006
50.10	-0.0037	103.25	0.0009
53.47	-0.0032	106.11	0.0011
53.29	-0.0034	108.31	0.0018
53.21	-0.0030	111.08	0.0019
50.49	-0.0029	113.24	0.0029
46.14	-0.0035	117.83	0.0049
46.13	-0.0036	120.92	0.0058
44.97	-0.0044	123.28	0.0067
38.98	-0.0045	122.97	0.0070
33.99	-0.0049	125.82	0.0079
33.96	-0.0046	125.60	0.0085
26.83	-0.0047	127.84	0.0097
21.88	-0.0046	130.19	0.0123
21.90	-0.0049	132.53	0.0156
16.69	-0.0051	135.33	0.0207
11.74	-0.0052	134.42	0.0208
11.77	-0.0055	138.35	0.0273
5.05	-0.0049	140.16	0.0309
0.02	-0.0032	142.63	0.0366
-0.04	-0.0001	145.78	0.0431
-0.02	-0.0004	142.52	0.0436
-0.02	-0.0015	0.22	-0.0002
0.02	-0.0016		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0148 (CH 0686)

AZ = 88.25 DEGREES R = 11 FT 7.8 IN. V = 2 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 149 CHANNEL 687

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0022
5.33	-0.0002	19.55	-0.0006
12.31	0.0003	29.57	0.0010
16.44	-0.0005	39.42	0.0022
20.51	-0.0015	49.16	0.0032
20.46	-0.0030	54.50	0.0038
20.47	-0.0058	59.57	0.0048
27.05	-0.0060	64.20	0.0029
34.69	-0.0046	69.32	0.0016
34.53	-0.0046	74.16	-0.0030
34.53	-0.0050	80.16	0.0056
39.70	-0.0046	85.61	0.0068
45.90	-0.0019	90.58	0.0080
45.65	0.0010	95.69	0.0099
45.62	0.0016	100.92	0.0095
50.10	0.0035	103.25	0.0102
53.47	0.0054	106.11	0.0099
53.29	0.0064	108.31	0.0097
53.21	0.0073	111.08	0.0097
50.49	0.0076	113.24	0.0097
46.14	0.0073	117.83	0.0092
46.13	0.0078	120.92	0.0090
44.97	0.0076	123.28	0.0085
38.98	0.0061	122.97	0.0084
33.99	0.0042	125.82	0.0079
33.96	0.0004	125.60	0.0071
26.83	-0.0031	127.84	0.0073
21.88	-0.0060	130.19	0.0085
21.90	-0.0080	132.53	0.0118
16.69	-0.0071	135.33	0.0154
11.74	-0.0074	134.42	0.0151
11.77	-0.0045	138.35	0.0198
5.05	-0.0048	140.16	0.0272
0.02	-0.0050	142.63	0.0372
-0.04	0.0018	145.78	0.0507
-0.02	0.0015	142.52	0.0564
-0.02	0.0008	6.22	0.0242
0.02	-0.0015		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0149 (CH 0687)
 AZ = 85.55 DEGREES R = 11 FT 8 IN. V = 2 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 150 CHANNEL 688

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0057
5.33	0.0014	19.55	0.0158
12.31	0.0039	29.57	0.0256
16.44	0.0053	39.42	0.0347
20.51	0.0069	49.16	0.0431
20.46	0.0067	54.50	0.0476
20.47	0.0055	59.57	0.0521
27.05	0.0112	64.20	0.0559
34.69	0.0218	69.32	0.0604
34.53	0.0230	74.16	0.0626
34.53	0.0242	80.16	0.0757
39.70	0.0309	85.61	0.0825
45.90	0.0419	90.58	0.0883
45.65	0.0453	95.69	0.0952
45.62	0.0452	100.92	0.1014
50.10	0.0515	103.25	0.1041
53.47	0.0565	106.11	0.1067
53.29	0.0578	108.31	0.1091
53.21	0.0580	111.08	0.1118
50.49	0.0573	113.24	0.1144
46.14	0.0545	117.83	0.1191
46.13	0.0549	120.92	0.1224
44.97	0.0523	123.28	0.1254
38.98	0.0477	122.97	0.1254
33.99	0.0444	125.82	0.1288
33.96	0.0412	125.60	0.1292
26.83	0.0347	127.84	0.1319
21.88	0.0292	130.19	0.1384
21.90	0.0274	132.53	0.1493
16.69	0.0245	135.33	0.1628
11.74	0.0214	134.42	0.1643
11.77	0.0233	138.35	0.1807
5.05	0.0187	140.16	0.2028
0.02	0.0143	142.63	0.2305
-0.04	0.0131	145.78	0.2484
-0.02	0.0125	142.52	0.2477
-0.02	0.0118	0.22	0.1138
0.02	0.0108		

DIAGONAL REBAR STRAIN OF CYLINDER WALL: BELOW PL-A
GAGE WR0150 (CH 0688)
AZ = 90 DEGREES R = 11 FT 8 IN. V = 4 FT 4.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 151 CHANNEL 689

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.39	0.0090
5.33	0.0013	19.55	0.0225
12.31	0.0049	29.57	0.0369
16.44	0.0066	39.42	0.0498
20.51	0.0109	49.16	0.0622
20.46	0.0115	54.50	0.0695
20.47	0.0101	59.57	0.0769
27.05	0.0221	64.20	0.0834
34.69	0.0389	69.32	0.0908
34.53	0.0406	74.16	0.0970
34.53	0.0416	80.16	0.1143
39.70	0.0505	85.61	0.1249
45.90	0.0632	90.58	0.1353
45.65	0.0663	95.69	0.1471
45.62	0.0670	100.92	0.1593
50.10	0.0743	103.25	0.1657
53.47	0.0808	106.11	0.1727
53.29	0.0819	108.31	0.1784
53.21	0.0814	111.08	0.1862
50.49	0.0801	113.24	0.1924
46.14	0.0755	117.83	0.2076
46.13	0.0756	120.92	0.2193
44.97	0.0711	123.26	0.2305
38.98	0.0653	122.97	0.2318
33.99	0.0592	125.82	0.2446
33.96	0.0567	125.60	0.2456
26.83	0.0471	127.84	0.2498
21.88	0.0404	130.19	0.2486
21.90	0.0382	132.53	0.2491
16.69	0.0331	135.33	0.2735
11.74	0.0280	134.42	0.3063
11.77	0.0298	138.35	0.6892
5.05	0.0229	140.16	0.7439
0.02	0.0170	142.63	0.8346
-0.04	0.0160	145.78	0.9260
-0.02	0.0148	142.52	0.9612
-0.02	0.0143	0.22	0.6458
0.02	0.0123		

DIAGONAL REBAR STRAIN OF CYLINDER WALL BELOW PL-A
 GAGE WR0151 (CH 0689)
 AZ = 90 DEGREES R = 11 FT 8 IN. V = 7 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 152 CHANNEL 700

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0060
5.33	0.0026	19.55	0.0155
12.31	0.0049	29.57	0.0252
16.44	0.0063	39.42	0.0336
20.51	0.0095	49.16	0.0423
20.46	0.0105	54.50	0.0470
20.47	0.0111	59.57	0.0528
27.05	0.0160	64.20	0.0597
34.69	0.0295	69.32	0.0673
34.53	0.0309	74.16	0.0755
34.53	0.0310	80.16	0.0831
39.70	0.0366	85.61	0.0924
45.90	0.0458	90.58	0.1013
45.65	0.0453	95.69	0.1118
45.62	0.0455	100.92	0.1240
50.10	0.0503	103.25	0.1300
53.47	0.0549	106.11	0.1369
53.29	0.0555	108.31	0.1428
53.21	0.0553	111.08	0.1519
50.49	0.0541	113.24	0.1586
46.14	0.0511	117.83	0.1790
46.13	0.0509	120.92	0.1921
44.97	0.0520	123.28	0.2041
38.98	0.0486	122.97	0.2066
33.99	0.0450	125.82	0.2213
33.96	0.0453	125.60	0.2248
26.83	0.0402	127.84	0.2347
21.88	0.0360	130.19	0.2545
21.90	0.0359	132.53	0.2829
16.69	0.0313	135.33	0.3322
11.74	0.0264	134.42	0.3472
11.77	0.0252	138.35	0.4204
5.05	0.0187	140.16	0.4766
0.02	0.0137	142.63	0.5525
-0.04	0.0119	145.78	0.6166
-0.02	0.0130	142.52	0.6350
-0.02	0.0128	0.22	0.4243
0.02	0.0133		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-A

GAGE WR0152 (CH 0700)

AZ = 84.5 DEGREES R = 11 FT 8 IN. V = 11 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 153 CHANNEL 701

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0014	9.89	0.0068
5.33	0.0029	19.55	0.0170
12.31	0.0060	29.57	0.0274
16.44	0.0079	39.42	0.0369
20.51	0.0115	49.16	0.0463
20.46	0.0127	54.50	0.0524
20.47	0.0134	59.57	0.0594
27.05	0.0205	64.20	0.0692
34.69	0.0352	69.32	0.0804
34.53	0.0371	74.16	0.0929
34.53	0.0374	80.16	0.1059
39.70	0.0438	85.61	0.1212
45.90	0.0545	90.58	0.1363
45.65	0.0546	95.69	0.1551
45.62	0.0551	100.92	0.1760
50.10	0.0612	103.25	0.1870
53.47	0.0671	106.11	0.1998
53.29	0.0679	108.31	0.2105
53.21	0.0682	111.08	0.2274
50.49	0.0666	113.24	0.2407
46.14	0.0638	117.83	0.2739
46.13	0.0633	120.92	0.2988
44.97	0.0648	123.28	0.3196
38.98	0.0609	122.97	0.3243
33.99	0.0572	125.82	0.3470
33.96	0.0575	125.60	0.3518
26.83	0.0521	127.84	0.3640
21.88	0.0476	130.19	0.3889
21.90	0.0475	132.53	0.4210
16.69	0.0426	135.33	0.4688
11.74	0.0368	134.42	0.4797
11.77	0.0359	138.35	0.5461
5.05	0.0289	140.16	0.5994
0.02	0.0238	142.63	0.6785
-0.04	0.0210	145.78	0.7508
-0.02	0.0217	142.52	0.7733
-0.02	0.0220	0.22	0.5299
0.02	0.0228		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-A
 GAGE WR0153 (CH 0701)
 AZ = 85 DEGREES R = 11 FT 8 IN. V = 12 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 154 CHANNEL 702

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0007
5.33	0.0012	19.55	0.0053
12.31	0.0030	29.57	0.0102
16.44	0.0042	39.42	0.0154
20.51	0.0060	49.16	0.0202
20.46	0.0065	54.50	0.0230
20.47	0.0064	59.57	0.0257
27.05	0.0104	64.20	0.0287
34.69	0.0155	69.32	0.0321
34.53	0.0158	74.16	0.0353
34.53	0.0151	80.16	0.0421
39.70	0.0183	85.61	0.0463
45.90	0.0222	90.58	0.0501
45.65	0.0248	95.69	0.0546
45.62	0.0257	100.92	0.0587
50.10	0.0286	103.25	0.0608
53.47	0.0318	106.11	0.0630
53.29	0.0325	108.31	0.0644
53.21	0.0326	111.08	0.0669
50.49	0.0318	113.24	0.0688
46.14	0.0303	117.83	0.0728
46.13	0.0303	120.92	0.0754
44.97	0.0287	123.28	0.0776
38.98	0.0267	122.97	0.0777
33.99	0.0247	125.82	0.0799
33.96	0.0246	125.60	0.0797
26.83	0.0218	127.84	0.0816
21.88	0.0197	130.19	0.0833
21.90	0.0198	132.53	0.0853
16.69	0.0167	135.33	0.0880
11.74	0.0138	134.42	0.0882
11.77	0.0148	138.35	0.0927
5.05	0.0122	140.16	0.0970
0.02	0.0104	142.63	0.1030
-0.04	0.0092	145.78	0.1102
-0.02	0.0085	142.52	0.1114
-0.02	0.0086	0.22	0.0204
0.02	0.0087		

DIAGONAL REBAR STRAIN OF DOME NEAR SPRING LINE

GAGE WR0154 (CH 0702)

AZ = 94 DEGREES R = 11 FT 5.5 IN. V = 25 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 155 CHANNEL 703

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0060
5.33	0.0024	19.55	0.0175
12.31	0.0054	29.57	0.0295
16.44	0.0079	39.42	0.0407
20.51	0.0127	49.16	0.0522
20.46	0.0131	54.50	0.0590
20.47	0.0142	59.57	0.0658
27.05	0.0238	64.20	0.0728
34.69	0.0357	69.32	0.0804
34.53	0.0372	74.16	0.0877
34.53	0.0372	80.16	0.0956
39.70	0.0434	85.61	0.1030
45.90	0.0541	90.58	0.1107
45.65	0.0548	95.69	0.1192
45.62	0.0548	100.92	0.1289
50.10	0.0611	103.25	0.1340
53.47	0.0673	106.11	0.1401
53.29	0.0683	108.31	0.1444
53.21	0.0686	111.08	0.1513
50.49	0.0669	113.24	0.1571
46.14	0.0633	117.83	0.1713
46.13	0.0629	120.92	0.1826
44.97	0.0620	123.28	0.1924
38.98	0.0573	122.97	0.1945
33.99	0.0521	125.82	0.2038
33.96	0.0519	125.60	0.2064
26.83	0.0450	127.84	0.2114
21.88	0.0397	130.19	0.2182
21.90	0.0398	132.53	0.2265
16.69	0.0345	135.33	0.2377
11.74	0.0286	134.42	0.2414
11.77	0.0279	138.35	0.2559
5.05	0.0207	140.16	0.2679
0.02	0.0152	142.63	0.2840
-0.04	0.0120	145.78	0.2994
-0.02	0.0121	142.52	0.3049
-0.02	0.0125	0.22	0.1303
0.02	0.0126		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0155 (CH 0703)

AZ = 171.5 DEGREES R = 11 FT 8 IN. V = 11 FT 3.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 156 CHANNEL 704

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0053
5.33	0.0018	19.55	0.0157
12.31	0.0049	29.57	0.0265
16.44	0.0068	39.42	0.0367
20.51	0.0110	49.16	0.0466
20.46	0.0115	54.50	0.0519
20.47	0.0124	59.57	0.0580
27.05	0.0213	64.20	0.0647
34.69	0.0351	69.32	0.0722
34.53	0.0367	74.16	0.0797
34.53	0.0366	80.16	0.0897
39.70	0.0427	85.61	0.0971
45.90	0.0510	90.58	0.1034
45.65	0.0514	95.69	0.1080
45.62	0.0520	100.92	0.1117
50.10	0.0574	103.25	0.1132
53.47	0.0625	106.11	0.1158
53.29	0.0638	108.31	0.1171
53.21	0.0639	111.08	0.1186
50.49	0.0627	113.24	0.1201
46.14	0.0596	117.83	0.1259
46.13	0.0592	120.92	0.1308
44.97	0.0584	123.28	0.1350
38.98	0.0542	122.97	0.1357
33.99	0.0496	125.82	0.1409
33.96	0.0494	125.60	0.1414
26.83	0.0431	127.84	0.1450
21.88	0.0382	130.19	0.1557
21.90	0.0382	132.53	0.1668
16.69	0.0333	135.33	0.1788
11.74	0.0276	134.42	0.1797
11.77	0.0266	138.35	0.1946
5.05	0.0198	140.16	0.2059
0.02	0.0146	142.63	0.2222
-0.04	0.0135	145.78	0.2360
-0.02	0.0136	142.52	0.2347
-0.02	0.0135	0.22	0.0916
0.02	0.0139

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 157 CHANNEL 705

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0054
5.33	0.0003	19.55	0.0157
12.31	0.0020	29.57	0.0262
16.44	0.0035	39.42	0.0362
20.51	0.0060	49.16	0.0454
20.46	0.0074	54.50	0.0508
20.47	0.0082	59.57	0.0560
27.05	0.0217	64.20	0.0605
34.69	0.0412	69.32	0.0660
34.53	0.0422	74.16	0.0710
34.53	0.0420	80.16	0.0757
39.70	0.0485	85.61	0.0819
45.90	0.0591	90.58	0.0873
45.65	0.0588	95.69	0.0925
45.62	0.0588	100.92	0.0986
50.10	0.0647	103.25	0.1007
53.47	0.0689	106.11	0.1044
53.29	0.0687	108.31	0.1075
53.21	0.0685	111.08	0.1110
50.49	0.0663	113.24	0.1146
46.14	0.0624	117.83	0.1223
46.13	0.0619	120.92	0.1278
44.97	0.0602	123.28	0.1322
38.98	0.0549	122.97	0.1327
33.99	0.0503	125.82	0.1378
33.96	0.0498	125.60	0.1380
26.83	0.0430	127.84	0.1413
21.88	0.0382	130.19	0.1465
21.90	0.0384	132.53	0.1523
16.69	0.0333	135.33	0.1587
11.74	0.0284	134.42	0.1589
11.77	0.0281	138.35	0.1672
5.05	0.0217	140.16	0.1722
0.02	0.0179	142.63	0.1804
-0.04	0.0183	145.78	0.1885
-0.02	0.0179	142.52	0.1866
-0.02	0.0172	0.22	0.0446
0.02	0.0179		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B
 GAGE WR0157 (CH 0705)
 AZ = 187.5 DEGREES R = 11 FT 8 IN. V = 14 FT 8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 158 CHANNEL 706

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0060
5.33	0.0008	19.55	0.0169
12.31	0.0024	29.57	0.0278
16.44	0.0039	39.42	0.0383
20.51	0.0070	49.16	0.0488
20.46	0.0087	54.50	0.0544
20.47	0.0095	59.57	0.0604
27.05	0.0215	64.20	0.0667
34.69	0.0386	69.32	0.0736
34.53	0.0400	74.16	0.0806
34.53	0.0404	80.16	0.0885
39.70	0.0465	85.61	0.0957
45.90	0.0571	90.58	0.1026
45.65	0.0583	95.69	0.1107
45.62	0.0583	100.92	0.1198
50.10	0.0647	103.25	0.1242
53.47	0.0705	106.11	0.1293
53.29	0.0707	108.31	0.1335
53.21	0.0709	111.08	0.1395
50.49	0.0690	113.24	0.1440
46.14	0.0658	117.83	0.1551
46.13	0.0654	120.92	0.1643
44.97	0.0644	123.28	0.1728
38.98	0.0596	122.97	0.1750
33.99	0.0555	125.82	0.1839
33.96	0.0549	125.60	0.1859
26.83	0.0482	127.84	0.1919
21.88	0.0429	130.19	0.2012
21.90	0.0429	132.53	0.2107
16.69	0.0380	135.33	0.2216
11.74	0.0326	134.42	0.2231
11.77	0.0316	138.35	0.2354
5.05	0.0249	140.16	0.2436
0.02	0.0200	142.63	0.2553
-0.04	0.0183	145.78	0.2693
-0.02	0.0182	142.52	0.2711
-0.02	0.0177	0.22	0.1052
0.02	0.0183		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0158 (CH 0706)

AZ = 187.5 DEGREES R = 11 FT 8 IN. V = 14 FT 10 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 159 CHANNEL 707

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0026
5.33	0.0008	19.55	0.0106
12.31	0.0019	29.57	0.0186
16.44	0.0028	39.42	0.0261
20.51	0.0042	49.16	0.0336
20.46	0.0046	54.50	0.0382
20.47	0.0047	59.57	0.0425
27.05	0.0093	64.20	0.0470
34.69	0.0325	69.32	0.0516
34.53	0.0336	74.16	0.0565
34.53	0.0343	80.16	0.0625
39.70	0.0390	85.61	0.0689
45.90	0.0458	90.58	0.0752
45.65	0.0460	95.69	0.0842
45.62	0.0459	100.92	0.0917
50.10	0.0496	103.25	0.0957
53.47	0.0525	106.11	0.1000
53.29	0.0528	108.31	0.1030
53.21	0.0526	111.08	0.1079
50.49	0.0514	113.24	0.1118
46.14	0.0489	117.83	0.1201
46.13	0.0485	120.92	0.1264
44.97	0.0473	123.28	0.1324
38.98	0.0440	122.97	0.1338
33.99	0.0407	125.82	0.1395
33.96	0.0408	125.60	0.1407
26.83	0.0357	127.84	0.1443
21.88	0.0323	130.19	0.1509
21.90	0.0322	132.53	0.1594
16.69	0.0285	135.33	0.1713
11.74	0.0251	134.42	0.1751
11.77	0.0245	138.35	0.1916
5.05	0.0201	140.16	0.2061
0.02	0.0172	142.63	0.2247
-0.04	0.0159	145.78	0.2431
-0.02	0.0156	142.52	0.2475
-0.02	0.0150	0.22	0.0898
0.02	0.0154		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B
 GAGE WR0159 (CH 0707)
 AZ = 189 DEGREES R = 11 FT 8 IN. V = 15 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 160 CHANNEL 708

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0020
5.33	0.0010	19.55	0.0082
12.31	0.0041	29.57	0.0145
16.44	0.0061	39.42	0.0206
20.51	0.0086	49.16	0.0267
20.46	0.0091	54.50	0.0298
20.47	0.0094	59.57	0.0333
27.05	0.0118	64.20	0.0378
34.69	0.0182	69.32	0.0432
34.53	0.0183	74.16	0.0489
34.53	0.0185	80.16	0.0561
39.70	0.0226	85.61	0.0680
45.90	0.0283	90.58	0.0774
45.65	0.0284	95.69	0.0867
45.62	0.0280	100.92	0.0967
50.10	0.0298	103.25	0.1020
53.47	0.0311	106.11	0.1070
53.29	0.0310	108.31	0.1109
53.21	0.0306	111.08	0.1174
50.49	0.0299	113.24	0.1222
46.14	0.0280	117.83	0.1360
46.13	0.0273	120.92	0.1483
44.97	0.0276	123.28	0.1605
38.98	0.0242	122.97	0.1640
33.99	0.0217	125.82	0.1768
33.96	0.0215	125.60	0.1808
26.83	0.0174	127.84	0.1881
21.88	0.0146	130.19	0.2033
21.90	0.0141	132.53	0.2223
16.69	0.0112	135.33	0.2516
11.74	0.0078	134.42	0.2701
11.77	0.0071	138.35	0.3173
5.05	0.0031	140.16	0.3609
0.02	0.0002	142.63	0.4196
-0.04	-0.0003	145.78	0.4722
-0.02	-0.0002	142.52	0.4917
-0.02	-0.0007	0.22	0.3125
0.02	-0.0010		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-B
GAGE WR0160 (CH 0708)
AZ = 264 DEGREES R = 11 FT 8 IN. V = 12 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 161 CHANNEL 709

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0012	9.89	0.0040
5.33	0.0026	19.55	0.0125
12.31	0.0065	29.57	0.0214
16.44	0.0092	39.42	0.0297
20.51	0.0128	49.16	0.0381
20.46	0.0136	54.50	0.0430
20.47	0.0137	59.57	0.0477
27.05	0.0196	64.20	0.0540
34.69	0.0292	69.32	0.0608
34.53	0.0299	74.16	0.0686
34.53	0.0302	80.16	0.0798
39.70	0.0346	85.61	0.0995
45.90	0.0422	90.58	0.1145
45.65	0.0428	95.69	0.1296
45.62	0.0429	100.92	0.1460
50.10	0.0468	103.25	0.1537
53.47	0.0509	106.11	0.1632
53.29	0.0513	108.31	0.1706
53.21	0.0508	111.08	0.1817
50.49	0.0499	113.24	0.1905
46.14	0.0475	117.83	0.2125
46.13	0.0471	120.92	0.2306
44.97	0.0484	123.28	0.2506
38.98	0.0443	122.97	0.2573
33.99	0.0405	125.82	0.2780
33.96	0.0401	125.60	0.2838
26.83	0.0346	127.84	0.2948
21.88	0.0303	130.19	0.3182
21.90	0.0304	132.53	0.3462
16.69	0.0261	135.33	0.3868
11.74	0.0218	134.42	0.3981
11.77	0.0213	138.35	0.4437
5.05	0.0157	140.16	0.4836
0.02	0.0113	142.63	0.5406
-0.04	0.0105	145.78	0.5987
-0.02	0.0108	142.52	0.6185
-0.02	0.0106	0.22	0.4129
0.02	0.0100		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-B

GAGE WR0161 (CH 0709)

AZ = 264.5 DEGREES R = 11 FT 8 IN. V = 12 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 162 CHANNEL 720

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0035
5.33	0.0018	19.55	0.0101
12.31	0.0051	29.57	0.0181
16.44	0.0074	39.42	0.0252
20.51	0.0104	49.16	0.0319
20.46	0.0111	54.50	0.0361
20.47	0.0109	59.57	0.0404
27.05	0.0165	64.20	0.0457
34.69	0.0258	69.32	0.0524
34.53	0.0263	74.16	0.0600
34.53	0.0269	80.16	0.0701
39.70	0.0309	85.61	0.0812
45.90	0.0366	90.58	0.0925
45.65	0.0366	95.69	0.1054
45.62	0.0371	100.92	0.1203
50.10	0.0400	103.25	0.1274
53.47	0.0432	106.11	0.1355
53.29	0.0432	108.31	0.1412
53.21	0.0432	111.08	0.1509
50.49	0.0420	113.24	0.1579
46.14	0.0398	117.83	0.1739
46.13	0.0395	120.92	0.1854
44.97	0.0410	123.28	0.1975
38.98	0.0380	122.97	0.2009
33.99	0.0348	125.82	0.2149
33.96	0.0350	125.60	0.2196
26.83	0.0303	127.84	0.2287
21.88	0.0264	130.19	0.2460
21.90	0.0266	132.53	0.2695
16.69	0.0228	135.33	0.3057
11.74	0.0195	134.42	0.3156
11.77	0.0190	138.35	0.3585
5.05	0.0138	140.16	0.3942
0.02	0.0100	142.63	0.4492
-0.04	0.0074	145.78	0.5044
-0.02	0.0086	142.52	0.5299
-0.02	0.0098	0.22	0.3426
0.02	0.0092		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0162 (CH 0720)

AZ = 352 DEGREES R = 11 FT 8 IN. V = 11 FT 2.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 163 CHANNEL 721

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	0.0023
5.33	0.0017	19.55	0.0085
12.31	0.0043	29.57	0.0142
16.44	0.0061	39.42	0.0202
20.51	0.0090	49.16	0.0260
20.46	0.0099	54.50	0.0285
20.47	0.0094	59.57	0.0324
27.05	0.0156	64.20	0.0357
34.69	0.0217	69.32	0.0399
34.53	0.0216	74.16	0.0450
34.53	0.0225	80.16	0.0498
39.70	0.0249	85.61	0.0561
45.90	0.0289	90.58	0.0618
45.65	0.0285	95.69	0.0679
45.62	0.0289	100.92	0.0755
50.10	0.0312	103.25	0.0799
53.47	0.0340	106.11	0.0845
53.29	0.0339	108.31	0.0890
53.21	0.0339	111.08	0.0962
50.49	0.0326	113.24	0.1015
46.14	0.0305	117.83	0.1148
46.13	0.0305	120.92	0.1252
44.97	0.0319	123.28	0.1354
38.98	0.0291	122.97	0.1379
33.99	0.0260	125.82	0.1488
33.96	0.0263	125.60	0.1534
26.83	0.0221	127.84	0.1605
21.88	0.0188	130.19	0.1747
21.90	0.0188	132.53	0.1906
16.69	0.0160	135.33	0.2110
11.74	0.0126	134.42	0.2166
11.77	0.0120	138.35	0.2412
5.05	0.0079	140.16	0.2631
0.02	0.0042	142.63	0.2977
-0.04	0.0027	145.78	0.3393
-0.02	0.0045	142.52	0.3667
-0.02	0.0055	0.22	0.1699
0.02	0.0044		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WR0163 (CH 0721)
 AZ = 352 DEGREES R = 11 FT 8 IN. V = 11 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 164 CHANNEL 722

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	0.0029
5.33	0.0022	19.55	0.0104
12.31	0.0046	29.57	0.0182
16.44	0.0068	39.42	0.0258
20.51	0.0098	49.16	0.0328
20.46	0.0107	54.50	0.0369
20.47	0.0110	59.57	0.0404
27.05	0.0171	64.20	0.0451
34.69	0.0252	69.32	0.0493
34.53	0.0260	74.16	0.0531
34.53	0.0263	80.16	0.0567
39.70	0.0301	85.61	0.0619
45.90	0.0363	90.58	0.0678
45.65	0.0363	95.69	0.0734
45.62	0.0363	100.92	0.0786
50.10	0.0395	103.25	0.0811
53.47	0.0432	106.11	0.0854
53.29	0.0430	108.31	0.0885
53.21	0.0428	111.08	0.0940
50.49	0.0418	113.24	0.0983
46.14	0.0389	117.83	0.1109
46.13	0.0386	120.92	0.1201
44.97	0.0391	123.28	0.1283
38.98	0.0360	122.97	0.1298
33.99	0.0322	125.82	0.1393
33.96	0.0327	125.60	0.1418
26.83	0.0277	127.84	0.1484
21.88	0.0242	130.19	0.1631
21.90	0.0238	132.53	0.1838
16.69	0.0204	135.33	0.2145
11.74	0.0167	134.42	0.2205
11.77	0.0163	138.35	0.2629
5.05	0.0114	140.16	0.2976
0.02	0.0081	142.63	0.3485
-0.04	0.0065	145.78	0.3896
-0.02	0.0076	142.52	0.4025
-0.02	0.0081	0.22	0.2392
0.02	0.0075		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WRO164 (CH 0722)
 AZ = 7 DEGREES R = 11 FT 8 IN. V = 14 FT 8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 165 CHANNEL 723

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0028
5.33	0.0018	19.55	0.0107
12.31	0.0041	29.57	0.0181
16.44	0.0059	39.42	0.0256
20.51	0.0074	49.16	0.0321
20.46	0.0083	54.50	0.0357
20.47	0.0085	59.57	0.0400
27.05	0.0136	64.20	0.0449
34.69	0.0201	69.32	0.0510
34.53	0.0212	74.16	0.0576
34.53	0.0212	80.16	0.0635
39.70	0.0254	85.61	0.0717
45.90	0.0321	90.58	0.0796
45.65	0.0320	95.69	0.0898
45.62	0.0315	100.92	0.0996
50.10	0.0352	103.25	0.1051
53.47	0.0389	106.11	0.1107
53.29	0.0390	108.31	0.1158
53.21	0.0396	111.08	0.1232
50.49	0.0385	113.24	0.1299
46.14	0.0358	117.83	0.1472
46.13	0.0357	120.92	0.1614
44.97	0.0373	123.28	0.1746
38.98	0.0340	122.97	0.1782
33.99	0.0309	125.82	0.1941
33.96	0.0311	125.60	0.2009
26.83	0.0259	127.84	0.2106
21.88	0.0226	130.19	0.2323
21.90	0.0222	132.53	0.2976
16.69	0.0186	135.33	0.3495
11.74	0.0151	134.42	0.3620
11.77	0.0146	138.35	0.4160
5.05	0.0101	140.16	0.4623
0.02	0.0067	142.63	0.5223
-0.04	0.0050	145.78	0.5762
-0.02	0.0062	142.52	0.5935
-0.02	0.0069	0.22	0.4051
0.02	0.0061		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WR0165 (CH 0723)
 AZ = 6 DEGREES R = 11 FT 8 IN. V = 14 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 166 CHANNEL 724

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0016	9.89	0.0008
5.33	0.0032	19.55	0.0070
12.31	0.0050	29.57	0.0131
16.44	0.0063	39.42	0.0190
20.51	0.0073	49.16	0.0243
20.46	0.0084	54.50	0.0280
20.47	0.0078	59.57	0.0310
27.05	0.0113	64.20	0.0357
34.69	0.0174	69.32	0.0405
34.53	0.0187	74.16	0.0454
34.53	0.0187	80.16	0.0515
39.70	0.0217	85.61	0.0577
45.90	0.0274	90.58	0.0643
45.65	0.0282	95.69	0.0710
45.62	0.0279	100.92	0.0801
50.10	0.0311	103.25	0.0836
53.47	0.0343	106.11	0.0880
53.29	0.0348	108.31	0.0910
53.21	0.0351	111.08	0.0959
50.49	0.0344	113.24	0.0993
46.14	0.0325	117.83	0.1080
46.13	0.0321	120.92	0.1140
44.97	0.0338	123.28	0.1202
38.98	0.0311	122.97	0.1214
33.99	0.0292	125.82	0.1287
33.96	0.0287	125.60	0.1304
26.83	0.0250	127.84	0.1348
21.88	0.0224	130.19	0.1430
21.90	0.0219	132.53	0.1527
16.69	0.0192	135.33	0.1703
11.74	0.0167	134.42	0.1743
11.77	0.0162	138.35	0.1971
5.05	0.0130	140.16	0.2164
0.02	0.0101	142.63	0.2451
-0.04	0.0089	145.78	0.2707
-0.02	0.0094	142.52	0.2735
-0.02	0.0097	0.22	0.1564
0.02	0.0096		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WR0166 (CH 0724)
 AZ = 8.5 DEGREES R = 11 FT 8 IN. V = 15 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 167 CHANNEL 725

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	-0.0032
5.33	0.0009	19.55	-0.0029
12.31	0.0010	29.57	-0.0029
16.44	0.0013	39.42	-0.0020
20.51	0.0014	49.16	-0.0019
20.46	0.0018	54.50	-0.0021
20.47	0.0020	59.57	-0.0016
27.05	0.0023	64.20	-0.0008
34.69	0.0023	69.32	-0.0011
34.53	0.0024	74.16	-0.0006
34.53	0.0025	80.16	-0.0008
39.70	0.0022	85.61	-0.0006
45.90	0.0022	90.58	-0.0009
45.65	0.0026	95.69	-0.0007
45.62	0.0024	100.92	-0.0018
50.10	0.0024	103.25	-0.0015
53.47	0.0022	106.11	-0.0014
53.29	0.0020	108.31	-0.0009
53.21	0.0027	111.08	-0.0006
50.49	0.0023	113.24	0.0004
46.14	0.0020	117.83	0.0018
46.13	0.0022	120.92	0.0028
44.97	0.0020	123.28	0.0035
38.98	0.0018	122.97	0.0043
33.99	0.0019	125.82	0.0046
33.96	0.0020	125.60	0.0049
26.83	0.0017	127.84	0.0054
21.88	0.0019	130.19	0.0061
21.90	0.0021	132.53	0.0072
16.69	0.0018	135.33	0.0084
11.74	0.0016	134.42	0.0090
11.77	0.0017	138.35	0.0110
5.05	0.0011	140.16	0.0130
0.02	0.0012	142.63	0.0143
-0.04	0.0013	145.78	0.0164
-0.02	0.0006	142.52	0.0177
-0.02	0.0007	0.22	0.0084
0.02	0.0011		

DIAGONAL REBAR STRAIN LOWER BASEMAT REGION

GAGE WR0167 (CH 0725)

AZ = 76.73 DEGREES R = 11 FT 8.3 IN. V = 0.0 FT -8.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 168 CHANNEL 726

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	-0.0058
5.33	0.0003	19.55	-0.0069
12.31	-0.0009	29.57	-0.0077
16.44	-0.0021	39.42	-0.0086
20.51	-0.0028	49.16	-0.0090
20.46	-0.0038	54.50	-0.0090
20.47	-0.0046	59.57	-0.0095
27.05	-0.0050	64.20	-0.0089
34.69	-0.0058	69.32	-0.0092
34.53	-0.0058	74.16	-0.0104
34.53	-0.0063	80.16	-0.0094
39.70	-0.0066	85.61	-0.0083
45.90	-0.0070	90.58	-0.0073
45.65	-0.0067	95.69	-0.0062
45.62	-0.0065	100.92	-0.0049
50.10	-0.0071	103.25	-0.0047
53.47	-0.0067	106.11	-0.0040
53.29	-0.0074	108.31	-0.0035
53.21	-0.0067	111.08	-0.0022
50.49	-0.0067	113.24	-0.0013
46.14	-0.0065	117.83	-0.0030
46.13	-0.0067	120.92	-0.0038
44.97	-0.0060	123.28	-0.0040
38.98	-0.0063	122.97	-0.0047
33.99	-0.0060	125.82	-0.0044
33.96	-0.0067	125.60	-0.0049
26.83	-0.0069	127.84	-0.0051
21.88	-0.0065	130.19	-0.0039
21.90	-0.0072	132.53	-0.0035
16.63	-0.0072	135.33	-0.0030
11.74	-0.0064	134.42	-0.0037
11.77	-0.0059	138.35	-0.0022
5.05	-0.0052	140.16	-0.0005
0.02	-0.0041	142.63	0.0027
-0.04	-0.0005	145.78	0.0067
-0.02	-0.0002	142.52	0.0078
-0.02	-0.0012	0.22	-0.0105
0.02	-0.0016		

DIAGONAL REBAR STRAIN OF UPPER BASEMAT REGION

GAGE WR0168 (CH 0726)

AZ = 87.95 DEGREES R = 11 FT 8.3 IN. V = 1 FT 5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 169 CHANNEL 727

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	-0.0062
5.33	-0.0018	19.55	-0.0082
12.31	-0.0038	29.57	-0.0099
16.44	-0.0036	39.42	-0.0113
20.51	-0.0019	49.16	-0.0123
20.46	0.0375	54.50	-0.0131
20.47	0.0101	59.57	-0.0138
27.05	0.0080	64.20	-0.0150
34.69	0.0071	69.32	-0.0164
34.53	-0.0139	74.16	-0.0197
34.53	-0.0136	80.16	-0.0175
39.70	-0.0146	85.61	-0.0172
45.90	-0.0149	90.58	-0.0176
45.65	0.0443	95.69	-0.0167
45.62	-0.0130	100.92	-0.0171
50.10	-0.0133	103.25	-0.0168
53.47	-0.0124	106.11	-0.0173
53.29	-0.0125	108.31	-0.0174
53.21	0.0190	111.08	-0.0178
50.49	0.0466	113.24	-0.0178
46.14	0.0471	117.83	-0.0184
46.13	-0.0061	120.92	-0.0185
44.97	0.0487	123.28	-0.0186
38.98	-0.0060	122.97	-0.0185
33.99	-0.0058	125.82	-0.0184
33.96	-0.0128	125.60	-0.0183
26.83	-0.0148	127.84	-0.0183
21.88	-0.0156	130.19	-0.0183
21.90	-0.0156	132.53	-0.0183
16.69	-0.0144	135.33	-0.0178
11.74	-0.0132	134.42	0.0354
11.77	-0.0116	138.35	-0.0212
5.05	-0.0099	140.16	-0.0214
0.02	0.0525	142.63	-0.0171
-0.04	0.0099	145.78	-0.0188
-0.02	0.0603	142.52	-0.0190
-0.02	0.0592	0.22	-0.0226
0.02	0.0328		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0169 (CH 0727)

AZ = 93.47 DEGREES R = 11 FT 8.3 IN. V = 2 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 170 CHANNEL 728

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0012	9.89	-0.0030
5.33	-0.0011	19.55	-0.0019
12.31	-0.0013	29.57	-0.0013
16.44	-0.0019	39.42	-0.0009
20.51	-0.0032	49.16	-0.0005
20.46	-0.0062	54.50	-0.0007
20.47	-0.0092	59.57	-0.0003
27.05	-0.0089	64.20	-0.0024
34.69	-0.0073	69.32	-0.0036
34.53	-0.0079	74.16	-0.0103
34.53	-0.0084	80.16	-0.0007
39.70	-0.0069	85.61	-0.0008
45.90	-0.0058	90.58	-0.0007
45.65	-0.0025	95.69	-0.0003
45.62	-0.0015	100.92	-0.0011
50.10	-0.0003	103.25	-0.0020
53.47	0.0005	106.11	-0.0024
53.29	0.0021	108.31	-0.0031
53.21	0.0024	111.08	-0.0043
50.49	0.0029	113.24	-0.0049
46.14	0.0029	117.83	-0.0067
46.13	0.0032	120.92	-0.0090
44.97	0.0027	123.28	-0.0107
38.98	0.0014	122.97	-0.0117
33.99	0.0002	125.82	-0.0146
33.96	-0.0055	125.60	-0.0157
26.83	-0.0081	127.84	-0.0175
21.88	-0.0100	130.19	-0.0221
21.90	-0.0078	132.53	-0.0263
16.69	-0.0082	135.33	-0.0301
11.74	-0.0084	134.42	-0.0342
11.77	-0.0062	138.35	-0.0401
5.05	-0.0055	140.16	-0.0403
0.02	-0.0052	142.63	-0.0415
-0.04	0.0001	145.78	-0.0410
-0.02	-0.0007	142.52	-0.0391
-0.02	-0.0018	0.22	-0.0000
0.02	0.0031		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0170 (CH 0728)
 AZ = 97.28 DEGREES R = 11 FT 8.3 IN. V = 2 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 171 CHANNEL 729

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0040
5.33	0.0009	19.55	0.0118
12.31	0.0030	29.57	0.0200
16.44	0.0045	39.42	0.0278
20.51	0.0087	49.16	0.0351
20.46	0.0103	54.50	0.0392
20.47	0.0124	59.57	0.0445
27.05	0.0217	64.20	0.0506
34.69	0.0306	69.32	0.0584
34.53	0.0315	74.16	0.0661
34.53	0.0311	80.16	0.0712
39.70	0.0358	85.61	0.0780
45.90	0.0433	90.58	0.0854
45.65	0.0432	95.69	0.0930
45.62	0.0436	100.92	0.1012
50.10	0.0490	103.25	0.1052
53.47	0.0545	106.11	0.1093
53.29	0.0553	108.31	0.1130
53.21	0.0554	111.08	0.1181
50.49	0.0548	113.24	0.1216
46.14	0.0529	117.83	0.1303
46.13	0.0519	120.92	0.1359
44.97	0.0547	123.28	0.1415
38.98	0.0517	122.97	0.1425
33.99	0.0484	125.82	0.1487
33.96	0.0488	125.60	0.1508
26.83	0.0450	127.84	0.1543
21.88	0.0422	130.19	0.1615
21.90	0.0415	132.53	0.1685
16.69	0.0370	135.33	0.1802
11.74	0.0323	134.42	0.1827
11.77	0.0306	138.35	0.1995
5.05	0.0248	140.16	0.2145
0.02	0.0205	142.63	0.2349
-0.04	0.0199	145.78	0.2557
-0.02	0.0200	142.52	0.2608
-0.02	0.0201	0.22	0.1450
0.02	0.0212		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-A

GAGE WR0171 (CH 0729)

AZ = 85 DEGREES R = 11 FT 8.8 IN. V = 14 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 172 CHANNEL 740

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0016	9.89	-0.0002
5.33	0.0001	19.55	0.0035
12.31	0.0019	29.57	0.0071
16.44	0.0025	39.42	0.0106
20.51	0.0050	49.16	0.0140
20.46	0.0058	54.50	0.0163
20.47	0.0072	59.57	0.0183
27.05	0.0122	64.20	0.0213
34.69	0.0164	69.32	0.0245
34.53	0.0174	74.16	0.0290
34.53	0.0174	80.16	0.0325
39.70	0.0198	85.61	0.0383
45.90	0.0222	90.58	0.0444
45.65	0.0219	95.69	0.0518
45.62	0.0223	100.92	0.0593
50.10	0.0235	103.25	0.0639
53.47	0.0260	106.11	0.0681
53.29	0.0261	108.31	0.0720
53.21	0.0259	111.08	0.0773
50.49	0.0257	113.24	0.0813
46.14	0.0249	117.83	0.0922
46.13	0.0246	120.92	0.0994
44.97	0.0251	123.28	0.1069
38.98	0.0240	122.97	0.1088
33.99	0.0222	125.82	0.1161
33.96	0.0230	125.60	0.1194
26.83	0.0216	127.84	0.1247
21.88	0.0202	130.19	0.1363
21.90	0.0200	132.53	0.1528
16.69	0.0182	135.33	0.1740
11.74	0.0156	134.42	0.1808
11.77	0.0149	138.35	0.2089
5.05	0.0122	140.16	0.2326
0.02	0.0098	142.63	0.2710
-0.04	0.0095	145.78	0.3042
-0.02	0.0092	142.52	0.3174
-0.02	0.0099	0.22	0.2265
0.02	0.0105		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-A
 GAGE WR0172 (CH 0740)
 AZ = 83.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 173 CHANNEL 741

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0008	9.89	0.0021
5.33	0.0012	19.55	0.0079
12.31	0.0035	29.57	0.0145
16.44	0.0047	39.42	0.0210
20.51	0.0068	49.16	0.0272
20.46	0.0067	54.50	0.0305
20.47	0.0066	59.57	0.0341
27.05	0.0115	64.20	0.0375
34.69	0.0182	69.32	0.0413
34.53	0.0178	74.16	0.0453
34.53	0.0182	80.16	0.0534
39.70	0.0209	85.61	0.0579
45.90	0.0265	90.58	0.0624
45.65	0.0296	95.69	0.0673
45.62	0.0301	100.92	0.0720
50.10	0.0339	103.25	0.0747
53.47	0.0376	106.11	0.0772
53.29	0.0380	108.31	0.0794
53.21	0.0385	111.08	0.0817
50.49	0.0375	113.24	0.0843
46.14	0.0358	117.83	0.0891
46.13	0.0355	120.92	0.0928
44.97	0.0328	123.28	0.0953
38.98	0.0299	122.97	0.0951
33.99	0.0273	125.82	0.0980
33.96	0.0272	125.60	0.0982
26.83	0.0234	127.84	0.1001
21.88	0.0202	130.19	0.1032
21.90	0.0198	132.53	0.1058
16.69	0.0161	135.33	0.1082
11.74	0.0129	134.42	0.1078
11.77	0.0140	138.35	0.1095
5.05	0.0105	140.16	0.1107
0.02	0.0078	142.63	0.1136
-0.04	0.0072	145.78	0.1189
-0.02	0.0065	142.52	0.1188
-0.02	0.0062	0.22	0.0081
0.02	0.0058		

DIAGONAL REBAR STRAIN OF DOME NEAR SPRING LINE

GAGE WR0173 (CH 0741)

AZ = 92 DEGREES R = 11 FT 6.25 IN. V = 25 FT 8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 174 CHANNEL 742

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0047
5.33	0.0015	19.55	0.0158
12.31	0.0044	29.57	0.0281
16.44	0.0059	39.42	0.0395
20.51	0.0095	49.16	0.0510
20.46	0.0099	54.50	0.0575
20.47	0.0106	59.57	0.0638
27.05	0.0193	64.20	0.0701
34.69	0.0358	69.32	0.0767
34.53	0.0396	74.16	0.0830
34.53	0.0405	80.16	0.0904
39.70	0.0485	85.61	0.0978
45.90	0.0648	90.58	0.1044
45.65	0.0654	95.69	0.1122
45.62	0.0652	100.92	0.1202
50.10	0.0714	103.25	0.1235
53.47	0.0763	106.11	0.1274
53.29	0.0768	108.31	0.1305
53.21	0.0770	111.08	0.1350
50.49	0.0755	113.24	0.1385
46.14	0.0722	117.83	0.1467
46.13	0.0722	120.92	0.1522
44.97	0.0714	123.28	0.1573
38.98	0.0666	122.97	0.1584
33.99	0.0623	125.82	0.1630
33.96	0.0622	125.60	0.1643
26.83	0.0550	127.84	0.1677
21.88	0.0498	130.19	0.1723
21.90	0.0496	132.53	0.1778
16.69	0.0445	135.33	0.1853
11.74	0.0384	134.42	0.1863
11.77	0.0366	138.35	0.1941
5.05	0.0294	140.16	0.1996
0.02	0.0238	142.63	0.2072
-0.04	0.0218	145.78	0.2159
-0.02	0.0220	142.52	0.2173
-0.02	0.0219	0.22	0.0743
0.02	0.0218		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0174 (CH 0742)

AZ = 171.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 175 CHANNEL 743

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0048
5.33	0.0016	19.55	0.0156
12.31	0.0036	29.57	0.0266
16.44	0.0053	39.42	0.0373
20.51	0.0089	49.16	0.0474
20.46	0.0099	54.50	0.0532
20.47	0.0103	59.57	0.0596
27.05	0.0180	64.20	0.0664
34.69	0.0289	69.32	0.0745
34.53	0.0308	74.16	0.0831
34.53	0.0307	80.16	0.0936
39.70	0.0365	85.61	0.1040
45.90	0.0505	90.58	0.1145
45.65	0.0508	95.69	0.1276
45.62	0.0505	100.92	0.1423
50.10	0.0560	103.25	0.1507
53.47	0.0602	106.11	0.1603
53.29	0.0606	108.31	0.1671
53.21	0.0614	111.08	0.1764
50.49	0.0598	113.24	0.1841
46.14	0.0568	117.83	0.2013
46.13	0.0570	120.92	0.2142
44.97	0.0564	123.28	0.2260
38.98	0.0527	122.97	0.2285
33.99	0.0490	125.82	0.2401
33.96	0.0487	125.60	0.2446
26.83	0.0424	127.84	0.2507
21.88	0.0376	130.19	0.2631
21.90	0.0373	132.53	0.2756
16.69	0.0325	135.33	0.2921
11.74	0.0268	134.42	0.2971
11.77	0.0252	138.35	0.3145
5.05	0.0183	140.16	0.3289
0.02	0.0126	142.63	0.3483
-0.04	0.0103	145.78	0.3680
-0.02	0.0109	142.52	0.3753
-0.02	0.0111	0.22	0.1691
0.02	0.0104		

DIAGONAL REBAR OF CYLINDER WALL NEAR EQ-B
GAGE WR0175 (CH 0743)
AZ = 171 DEGREES R = 11 FT 8.8 IN. V = 14 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 176 CHANNEL 744

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0021
5.33	0.0012	19.55	0.0093
12.31	0.0035	29.57	0.0161
16.44	0.0049	39.42	0.0225
20.51	0.0077	49.16	0.0287
20.46	0.0084	54.50	0.0325
20.47	0.0092	59.57	0.0362
27.05	0.0166	64.20	0.0403
34.69	0.0279	69.32	0.0445
34.53	0.0292	74.16	0.0487
34.53	0.0296	80.16	0.0537
39.70	0.0334	85.61	0.0590
45.90	0.0372	90.58	0.0649
45.65	0.0366	95.69	0.0717
45.62	0.0366	100.92	0.0788
50.10	0.0395	103.25	0.0825
53.47	0.0411	106.11	0.0864
53.29	0.0411	108.31	0.0895
53.21	0.0414	111.08	0.0946
50.49	0.0398	113.24	0.0991
46.14	0.0373	117.83	0.1086
46.13	0.0376	120.92	0.1156
44.97	0.0369	123.28	0.1218
38.98	0.0338	122.97	0.1234
33.99	0.0307	125.82	0.1304
33.96	0.0308	125.60	0.1326
26.83	0.0261	127.84	0.1371
21.88	0.0231	130.19	0.1459
21.90	0.0230	132.53	0.1565
16.69	0.0193	135.33	0.1709
11.74	0.0160	134.42	0.1743
11.77	0.0150	138.35	0.1895
5.05	0.0108	140.16	0.2003
0.02	0.0076	142.63	0.2136
-0.04	0.0066	145.78	0.2281
-0.02	0.0071	142.52	0.2305
-0.02	0.0067	0.22	0.0627
0.02	0.0065		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0176 (CH 0744)

AZ = 171.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 177 CHANNEL 745

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0054
5.33	0.0018	19.55	0.0169
12.31	0.0038	29.57	0.0292
16.44	0.0055	39.42	0.0406
20.51	0.0102	49.16	0.0516
20.46	0.0114	54.50	0.0576
20.47	0.0117	59.57	0.0640
27.05	0.0210	64.20	0.0699
34.69	0.0399	69.32	0.0765
34.53	0.0430	74.16	0.0839
34.53	0.0432	80.16	0.0935
39.70	0.0531	85.61	0.1005
45.90	0.0631	90.58	0.1067
45.65	0.0639	95.69	0.1144
45.62	0.0646	100.92	0.1218
50.10	0.0701	103.25	0.1261
53.47	0.0742	106.11	0.1308
53.29	0.0741	108.31	0.1347
53.21	0.0747	111.08	0.1398
50.49	0.0725	113.24	0.1442
46.14	0.0690	117.83	0.1533
46.13	0.0689	120.92	0.1606
44.97	0.0676	123.28	0.1689
38.98	0.0618	122.97	0.1709
33.99	0.0574	125.82	0.1794
33.96	0.0571	125.60	0.1848
26.83	0.0499	127.84	0.1906
21.88	0.0443	130.19	0.2039
21.90	0.0438	132.53	0.2175
16.69	0.0381	135.33	0.2388
11.74	0.0323	134.42	0.2489
11.77	0.0314	138.35	0.2767
5.05	0.0241	140.16	0.3043
0.02	0.0193	142.63	0.3384
-0.04	0.0179	145.78	0.3639
-0.02	0.0172	142.52	0.3722
-0.02	0.0173	0.22	0.1852
0.02	0.0168		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0177 (CH 0745)

AZ = 168.5 DEGREES R = 11 FT 8.8 IN. V = 15 FT 3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 178 CHANNEL 746

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0036
5.33	0.0022	19.55	0.0124
12.31	0.0056	29.57	0.0215
16.44	0.0075	39.42	0.0307
20.51	0.0102	49.16	0.0399
20.46	0.0110	54.50	0.0448
20.47	0.0111	59.57	0.0499
27.05	0.0172	64.20	0.0550
34.69	0.0266	69.32	0.0609
34.53	0.0247	74.16	0.0669
34.53	0.0249	80.16	0.0775
39.70	0.0304	85.61	0.0846
45.90	0.0385	90.58	0.0910
45.65	0.0414	95.69	0.0989
45.62	0.0420	100.92	0.1075
50.10	0.0463	103.25	0.1117
53.47	0.0501	106.11	0.1165
53.29	0.0502	108.31	0.1205
53.21	0.0508	111.08	0.1270
50.49	0.0488	113.24	0.1327
46.14	0.0451	117.83	0.1432
46.13	0.0454	120.92	0.1480
44.97	0.0400	123.28	0.1515
38.98	0.0352	122.97	0.1501
33.99	0.0308	125.82	0.1511
33.96	0.0307	125.60	0.1509
26.83	0.0238	127.84	0.1535
21.88	0.0180	130.19	0.1542
21.90	0.0178	132.53	0.1541
16.69	0.0118	135.33	0.1592
11.74	0.0082	134.42	0.1613
11.77	0.0113	138.35	0.1789
5.05	0.0065	140.16	0.2481
0.02	0.0037	142.63	0.6131
-0.04	0.0028	145.78	0.7155
-0.02	0.0013	142.52	0.7230
-0.02	0.0011	0.22	0.5222
0.02	0.0002		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0178 (CH 0746)

AZ = 165.5 DEGREES R = 11 FT 8.8 IN. V = 15 FT 7.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 179 CHANNEL 747

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0036
5.33	0.0011	19.55	0.0119
12.31	0.0028	29.57	0.0207
16.44	0.0034	39.42	0.0292
20.51	0.0051	49.16	0.0372
20.46	0.0056	54.50	0.0419
20.47	0.0057	59.57	0.0469
27.05	0.0115	64.20	0.0526
34.69	0.0212	69.32	0.0588
34.53	0.0205	74.16	0.0655
34.53	0.0206	80.16	0.0777
39.70	0.0256	85.61	0.0867
45.90	0.0346	90.58	0.0955
45.65	0.0395	95.69	0.1052
45.62	0.0409	100.92	0.1154
50.10	0.0464	103.25	0.1201
53.47	0.0519	106.11	0.1257
53.29	0.0538	108.31	0.1302
53.21	0.0539	111.08	0.1368
50.49	0.0532	113.24	0.1423
46.14	0.0509	117.83	0.1558
46.13	0.0514	120.92	0.1665
44.97	0.0479	123.28	0.1765
38.98	0.0441	122.97	0.1786
33.99	0.0405	125.82	0.1907
33.96	0.0401	125.60	0.1941
26.83	0.0353	127.84	0.2014
21.88	0.0302	130.19	0.2186
21.90	0.0287	132.53	0.2422
16.69	0.0244	135.33	0.2662
11.74	0.0198	134.42	0.2789
11.77	0.0218	138.35	0.5891
5.05	0.0182	140.16	0.6492
0.02	0.0157	142.63	0.8508
-0.04	0.0163	145.78	0.8794
-0.02	0.0149	142.52	0.8831
-0.02	0.0143	0.22	0.6377
0.02	0.0131		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0179 (CH 0747)

AZ = 163 DEGREES R = 11 FT 8.3 IN. V = 16 FT 7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 180 CHANNEL 748

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	-0.0084
5.33	-0.0019	19.55	-0.0094
12.31	-0.0029	29.57	-0.0097
16.44	-0.0033	39.42	-0.0102
20.51	-0.0044	49.16	-0.0097
20.46	-0.0044	54.50	-0.0094
20.47	-0.0046	59.57	-0.0092
27.05	-0.0054	64.20	-0.0086
34.69	-0.0057	69.32	-0.0077
34.53	-0.0062	74.16	-0.0081
34.53	-0.0062	80.16	-0.0075
39.70	-0.0063	85.61	-0.0061
45.90	-0.0061	90.58	-0.0049
45.65	-0.0058	95.69	-0.0039
45.62	-0.0056	100.92	-0.0021
50.10	-0.0052	103.25	-0.0010
53.47	-0.0044	106.11	0.0001
53.29	-0.0041	108.31	0.0008
53.21	-0.0042	111.08	0.0033
50.49	-0.0041	113.24	0.0051
46.14	-0.0044	117.83	0.0098
46.13	-0.0042	120.92	0.0139
44.97	-0.0052	123.28	0.0169
38.98	-0.0056	122.97	0.0171
33.99	-0.0060	125.82	0.0196
33.96	-0.0061	125.60	0.0197
26.83	-0.0062	127.84	0.0221
21.88	-0.0064	130.19	0.0240
21.90	-0.0065	132.53	0.0283
16.69	-0.0067	135.33	0.0344
11.74	-0.0058	134.42	0.0347
11.77	-0.0060	138.35	0.0408
5.05	-0.0047	140.16	0.0453
0.02	-0.0025	142.63	0.0519
-0.04	0.0012	145.78	0.0580
-0.02	-0.0038	142.52	0.0586
-0.02	-0.0042	0.22	0.0180
0.02	-0.0033		

DIAGONAL REBAR STRAIN OF UPPER BASEMAT REGION

GAGE WR0180 (CH 0748)

AZ = 331.57 DEGREES R = 11 FT 8.3 IN. V = 1 FT 6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 181 CHANNEL 749

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	-0.0059
5.33	-0.0003	19.55	-0.0075
12.31	0.0002	29.57	-0.0084
16.44	-0.0001	39.42	-0.0089
20.51	-0.0004	49.16	-0.0093
20.46	-0.0007	54.50	-0.0094
20.47	-0.0007	59.57	-0.0091
27.05	-0.0014	64.20	-0.0093
34.69	-0.0025	69.32	-0.0091
34.53	-0.0027	74.16	-0.0095
34.53	-0.0030	80.16	-0.0092
39.70	-0.0029	85.61	-0.0089
45.90	-0.0035	90.58	-0.0091
45.65	-0.0032	95.69	-0.0089
45.62	-0.0032	100.92	-0.0090
50.10	-0.0032	103.25	-0.0087
53.47	-0.0035	106.11	-0.0086
53.29	-0.0032	108.31	-0.0082
53.21	-0.0032	111.08	-0.0073
50.49	-0.0029	113.24	-0.0065
46.14	-0.0030	117.83	-0.0032
46.13	-0.0029	120.92	-0.0009
44.97	-0.0047	123.28	0.0010
38.98	-0.0044	122.97	0.0008
33.99	-0.0045	125.82	0.0027
33.96	-0.0042	125.60	0.0034
26.83	-0.0032	127.84	0.0059
21.88	-0.0031	130.19	0.0121
21.90	-0.0033	132.53	0.0210
16.69	-0.0026	135.33	0.0307
11.74	-0.0016	134.42	0.0329
11.77	-0.0018	138.35	0.0403
5.05	-0.0006	140.16	0.0454
0.02	0.0001	142.63	0.0538
-0.04	0.0006	145.78	0.0630
-0.02	-0.0011	142.52	0.0641
-0.02	-0.0019	0.22	0.0210
0.02	-0.0006		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0181 (CH 0749)

AZ = 328.92 DEGREES R = 11 FT 8.3 IN. V = 2 FT 1.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 182 CHANNEL 760

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	-0.0035
5.33	0.0016	19.55	-0.0017
12.31	0.0044	29.57	0.0004
16.44	0.0056	39.42	0.0024
20.51	0.0052	49.16	0.0044
20.46	0.0054	54.50	0.0056
20.47	0.0053	59.57	0.0067
27.05	0.0061	64.20	0.0080
34.69	0.0061	69.32	0.0089
34.53	0.0061	74.16	0.0093
34.53	0.0063	80.16	0.0132
39.70	0.0074	85.61	0.0143
45.90	0.0087	90.58	0.0138
45.65	0.0099	95.69	0.0137
45.62	0.0101	100.92	0.0142
50.10	0.0111	103.25	0.0147
53.47	0.0126	106.11	0.0153
53.29	0.0135	108.31	0.0147
53.21	0.0135	111.08	0.0155
50.49	0.0141	113.24	0.0155
46.14	0.0134	117.83	0.0163
46.13	0.0136	120.92	0.0163
44.97	0.0090	123.28	0.0160
38.98	0.0089	122.97	0.0147
33.99	0.0090	125.82	0.0139
33.96	0.0090	125.60	0.0119
26.83	0.0084	127.84	0.0122
21.88	0.0074	130.19	0.0124
21.90	0.0074	132.53	0.0148
16.69	0.0067	135.33	0.0183
11.74	0.0062	134.42	0.0204
11.77	0.0063	138.35	0.0302
5.05	0.0056	140.16	0.0394
0.02	0.0042	142.63	0.0549
-0.04	0.0021	145.78	0.0754
-0.02	-0.0011	142.52	0.0827
-0.02	-0.0008	0.22	0.0279
0.02	0.0024		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0182 (CH 0760)

AZ = 326.5 DEGREES R = 11 FT 8.3 IN. V = 2 FT 8.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 183 CHANNEL 761

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0002
5.33	0.0016	19.55	0.0053
12.31	0.0044	29.57	0.0105
16.44	0.0062	39.42	0.0165
20.51	0.0098	49.16	0.0222
20.46	0.0106	54.50	0.0256
20.47	0.0109	59.57	0.0291
27.05	0.0165	64.20	0.0346
34.69	0.0229	69.32	0.0404
34.53	0.0238	74.16	0.0471
34.53	0.0239	80.16	0.0556
39.70	0.0273	85.61	0.0709
45.90	0.0316	90.58	0.0839
45.65	0.0320	95.69	0.0967
45.62	0.0318	100.92	0.1100
50.10	0.0345	103.25	0.1162
53.47	0.0375	106.11	0.1234
53.29	0.0377	108.31	0.1298
53.21	0.0381	111.08	0.1398
50.49	0.0373	113.24	0.1477
46.14	0.0353	117.83	0.1676
46.13	0.0353	120.92	0.1839
44.97	0.0362	123.28	0.1991
38.98	0.0338	122.97	0.2038
33.99	0.0319	125.82	0.2193
33.96	0.0317	125.60	0.2224
26.83	0.0288	127.84	0.2297
21.88	0.0256	130.19	0.2448
21.90	0.0256	132.53	0.2627
16.69	0.0231	135.33	0.2875
11.74	0.0203	134.42	0.2922
11.77	0.0200	138.35	0.3202
5.05	0.0164	140.16	0.3421
0.02	0.0132	142.63	0.3701
-0.04	0.0139	145.78	0.3895
-0.02	0.0131	142.52	0.3946
-0.02	0.0119	0.22	0.2468
0.02	0.0125		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-B
 GAGE WR0183 (CH 0761) V = 14 FT 2.5 IN.
 AZ = 265.5 DEGREES R = 11 FT 8.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 184 CHANNEL 762

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0016	9.89	0.0024
5.33	0.0018	19.55	0.0099
12.31	0.0042	29.57	0.0178
16.44	0.0054	39.42	0.0258
20.51	0.0096	49.16	0.0336
20.46	0.0105	54.50	0.0384
20.47	0.0109	59.57	0.0437
27.05	0.0196	64.20	0.0505
34.69	0.0303	69.32	0.0548
34.53	0.0310	74.16	0.0587
34.53	0.0313	80.16	0.0670
39.70	0.0362	85.61	0.0772
45.90	0.0418	90.58	0.0873
45.65	0.0421	95.69	0.0978
45.62	0.0421	100.92	0.1092
50.10	0.0458	103.25	0.1150
53.47	0.0486	106.11	0.1205
53.29	0.0494	108.31	0.1253
53.21	0.0495	111.08	0.1331
50.49	0.0486	113.24	0.1387
46.14	0.0459	117.83	0.1536
46.13	0.0461	120.92	0.1677
44.97	0.0465	123.28	0.1822
38.98	0.0425	122.97	0.1869
33.99	0.0394	125.82	0.2011
33.96	0.0390	125.60	0.2047
26.83	0.0346	127.84	0.2123
21.88	0.0309	130.19	0.2267
21.90	0.0304	132.53	0.2484
16.69	0.0272	135.33	0.2825
11.74	0.0230	134.42	0.2917
11.77	0.0229	138.35	0.3334
5.05	0.0181	140.16	0.3643
0.02	0.0144	142.63	0.4060
-0.04	0.0153	145.78	0.4414
-0.02	0.0135	142.52	0.4527
-0.02	0.0131	0.22	0.3030
0.02	0.0136		

DIAGONAL REDAR STRAIN OF CYLINDER WALL NEAR PL-B
 GAGE WR0184 (CH 0762)
 AZ = 265 DEGREES R = 11 FT 8.8 IN. V = 14 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 185 CHANNEL 763

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	-0.0068
5.33	-0.0027	19.55	-0.0079
12.31	-0.0035	29.57	-0.0086
16.44	-0.0038	39.42	-0.0088
20.51	-0.0048	49.16	-0.0090
20.46	-0.0049	54.50	-0.0093
20.47	-0.0055	59.57	-0.0094
27.05	-0.0061	64.20	-0.0095
34.69	-0.0074	69.32	-0.0088
34.53	-0.0072	74.16	-0.0049
34.53	-0.0071	80.16	-0.0014
39.70	-0.0076	85.61	0.0010
45.90	-0.0075	90.58	0.0014
45.65	-0.0073	95.69	0.0021
45.62	-0.0076	100.92	0.0028
50.10	-0.0071	103.25	0.0028
53.47	-0.0077	106.11	0.0039
53.29	-0.0073	108.31	0.0046
53.21	-0.0072	111.08	0.0060
50.49	-0.0071	113.24	0.0076
46.14	-0.0066	117.83	0.0137
46.13	-0.0066	120.92	0.0196
44.97	-0.0067	123.28	0.0241
38.98	-0.0072	122.97	0.0245
33.99	-0.0069	125.82	0.0271
33.96	-0.0073	125.60	0.0283
26.83	-0.0069	127.84	0.0301
21.88	-0.0065	130.19	0.0324
21.90	-0.0070	132.53	0.0361
16.69	-0.0063	135.33	0.0411
11.74	-0.0064	134.42	0.0417
11.77	-0.0059	138.35	0.0486
5.05	-0.0046	140.16	0.0543
0.02	-0.0027	142.63	0.0609
-0.04	-0.0001	145.78	0.0674
-0.02	-0.0030	142.52	0.0691
-0.02	-0.0030	0.22	0.0115
0.02	-0.0032		

DIAGONAL REBAR STRAIN OF UPPER BASEMAT REGION

GAGE WR0185 (CH 0763)

AZ = 326.73 DEGREES R = 11 FT 9.3 IN. V = 1 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 186 CHANNEL 764

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	-0.0074
5.33	-0.0011	19.55	-0.0085
12.31	-0.0005	29.57	-0.0095
16.44	-0.0007	39.42	-0.0101
20.51	-0.0023	49.16	-0.0108
20.46	-0.0030	54.50	-0.0110
20.47	-0.0032	59.57	-0.0114
27.05	-0.0042	64.20	-0.0120
34.69	-0.0066	69.32	-0.0126
34.53	-0.0063	74.16	-0.0123
34.53	-0.0060	80.16	-0.0079
39.70	-0.0071	85.61	-0.0073
45.90	-0.0070	90.58	-0.0057
45.65	-0.0060	95.69	-0.0049
45.62	-0.0054	100.92	-0.0036
50.10	-0.0051	103.25	-0.0024
53.47	-0.0053	106.11	-0.0013
53.29	-0.0048	108.31	-0.0005
53.21	-0.0040	111.08	0.0010
50.49	-0.0035	113.24	0.0029
46.14	-0.0034	117.83	0.0057
46.13	-0.0025	120.92	0.0079
44.97	-0.0053	123.28	0.0092
38.98	-0.0045	122.97	0.0085
33.99	-0.0039	125.82	0.0089
33.96	-0.0041	125.60	0.0088
26.83	-0.0031	127.84	0.0096
21.88	-0.0025	130.19	0.0128
21.90	-0.0029	132.53	0.0156
16.69	-0.0023	135.33	0.0195
11.74	-0.0015	134.42	0.0209
11.77	-0.0007	138.35	0.0280
5.05	0.0011	140.16	0.0321
0.02	0.0027	142.63	0.0403
-0.04	0.0030	145.78	0.0493
-0.02	-0.0015	142.52	0.0521
-0.02	-0.0008	0.22	0.0072
0.02	0.0019		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0186 (CH 0764)

AZ = 330 DEGREES R = 11 FT 9.3 IN. V = 2 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 187 CHANNEL 765

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	-0.0031
5.33	0.0004	19.55	-0.0019
12.31	0.0030	29.57	0.0001
16.44	0.0032	39.42	0.0015
20.51	0.0028	49.16	0.0032
20.46	0.0016	54.50	0.0041
20.47	0.0015	59.57	0.0052
27.05	0.0025	64.20	0.0043
34.69	0.0036	69.32	0.0043
34.53	0.0031	74.16	0.0058
34.53	0.0039	80.16	0.0140
39.70	0.0048	85.61	0.0167
45.90	0.0071	90.58	0.0193
45.65	0.0089	95.69	0.0213
45.62	0.0101	100.92	0.0232
50.10	0.0110	103.25	0.0243
53.47	0.0133	106.11	0.0249
53.29	0.0137	108.31	0.0260
53.21	0.0147	111.08	0.0270
50.49	0.0151	113.24	0.0279
46.14	0.0147	117.83	0.0298
46.13	0.0155	120.92	0.0313
44.97	0.0097	123.28	0.0295
38.98	0.0099	122.97	0.0270
33.99	0.0094	125.82	0.0270
33.96	0.0090	125.60	0.0255
26.83	0.0084	127.84	0.0252
21.88	0.0075	130.19	0.0281
21.90	0.0072	132.53	0.0304
16.69	0.0067	135.33	0.0349
11.74	0.0056	134.42	0.0362
11.77	0.0070	138.35	0.0420
5.05	0.0058	140.16	0.0486
0.02	0.0053	142.63	0.0578
-0.04	0.0037	145.78	0.0667
-0.02	-0.0013	142.52	0.0704
-0.02	0.0003	0.22	0.0312
0.02	0.0031		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0187 (CH 0765)
 AZ = 332 DEGREES R = 11 FT 9.3 IN. V = 2 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 188 CHANNEL 766

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0016
5.33	0.0009	19.55	0.0071
12.31	0.0036	29.57	0.0136
16.44	0.0055	39.42	0.0196
20.51	0.0097	49.16	0.0253
20.46	0.0104	54.50	0.0283
20.47	0.0104	59.57	0.0315
27.05	0.0166	64.20	0.0353
34.69	0.0231	69.32	0.0399
34.53	0.0231	74.16	0.0449
34.53	0.0233	80.16	0.0507
39.70	0.0260	85.61	0.0574
45.90	0.0302	90.58	0.0637
45.65	0.0303	95.69	0.0711
45.62	0.0302	100.92	0.0797
50.10	0.0331	103.25	0.0840
53.47	0.0358	106.11	0.0884
53.29	0.0357	108.31	0.0923
53.21	0.0360	111.08	0.0975
50.49	0.0344	113.24	0.1021
46.14	0.0323	117.83	0.1129
46.13	0.0326	120.92	0.1206
44.97	0.0347	123.28	0.1283
38.98	0.0320	122.97	0.1308
33.99	0.0288	125.82	0.1397
33.96	0.0287	125.60	0.1427
26.83	0.0247	127.84	0.1477
21.88	0.0218	130.19	0.1570
21.90	0.0212	132.53	0.1698
16.69	0.0182	135.33	0.1874
11.74	0.0145	134.42	0.1931
11.77	0.0144	138.35	0.2138
5.05	0.0099	140.16	0.2334
0.02	0.0066	142.63	0.2622
-0.04	0.0058	145.78	0.2927
-0.02	0.0078	142.52	0.3074
-0.02	0.0082	0.22	0.1411
0.02	0.0071		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0188 (CH 0766)

AZ = 352.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 7 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 189 CHANNEL 767

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0051
5.33	0.0010	19.55	0.0133
12.31	0.0024	29.57	0.0222
16.44	0.0041	39.42	0.0304
20.51	0.0069	49.16	0.0385
20.46	0.0074	54.50	0.0434
20.47	0.0080	59.57	0.0483
27.05	0.0189	64.20	0.0541
34.69	0.0290	69.32	0.0606
34.53	0.0292	74.16	0.0675
34.53	0.0298	80.16	0.0748
39.70	0.0339	85.61	0.0832
45.90	0.0410	90.58	0.0923
45.65	0.0423	95.69	0.1013
45.62	0.0416	100.92	0.1118
50.10	0.0465	103.25	0.1166
53.47	0.0526	106.11	0.1223
53.29	0.0534	108.31	0.1263
53.21	0.0535	111.08	0.1323
50.49	0.0526	113.24	0.1378
46.14	0.0499	117.83	0.1498
46.13	0.0497	120.92	0.1597
44.97	0.0513	123.28	0.1696
38.98	0.0476	122.97	0.1726
33.99	0.0445	125.82	0.1851
33.96	0.0438	125.60	0.1904
26.83	0.0384	127.84	0.1993
21.88	0.0346	130.19	0.2174
21.90	0.0344	132.53	0.2409
16.69	0.0297	135.33	0.2773
11.74	0.0250	134.42	0.2877
11.77	0.0249	138.35	0.3348
5.05	0.0192	140.16	0.3761
0.02	0.0152	142.63	0.4281
-0.04	0.0134	145.78	0.4786
-0.02	0.0157	142.52	0.5011
-0.02	0.0157	0.22	0.3224
0.02	0.0147		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A
 GAGE WR0189 (CH 0767)
 AZ = 351 DEGREES R = 11 FT 8.8 IN. V = 14 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 190 CHANNEL 768

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0027
5.33	0.0015	19.55	0.0091
12.31	0.0036	29.57	0.0167
16.44	0.0060	39.42	0.0236
20.51	0.0101	49.16	0.0302
20.46	0.0103	54.50	0.0342
20.47	0.0110	59.57	0.0376
27.05	0.0172	64.20	0.0421
34.69	0.0228	69.32	0.0477
34.53	0.0229	74.16	0.0542
34.53	0.0229	80.16	0.0626
39.70	0.0260	85.61	0.0719
45.90	0.0314	90.58	0.0800
45.65	0.0320	95.69	0.0894
45.62	0.0314	100.92	0.0997
50.10	0.0354	103.25	0.1045
53.47	0.0396	106.11	0.1101
53.29	0.0403	108.31	0.1143
53.21	0.0400	111.08	0.1206
50.49	0.0391	113.24	0.1256
46.14	0.0365	117.83	0.1371
46.13	0.0370	120.92	0.1455
44.97	0.0383	123.28	0.1537
38.98	0.0354	122.97	0.1561
33.99	0.0323	125.82	0.1655
33.96	0.0319	125.60	0.1683
26.83	0.0277	127.84	0.1739
21.88	0.0247	130.19	0.1838
21.90	0.0243	132.53	0.1973
16.69	0.0211	135.33	0.2160
11.74	0.0173	134.42	0.2214
11.77	0.0171	138.35	0.2435
5.05	0.0122	140.16	0.2637
0.02	0.0090	142.63	0.2940
-0.04	0.0071	145.78	0.3302
-0.02	0.0097	142.52	0.3478
-0.02	0.0093	0.22	0.1706
0.02	0.0085		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0190 (CH 0768)

AZ = 352.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 9 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 191 CHANNEL 769

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.53	0.0028
5.33	0.0007	19.55	0.0097
12.31	0.0024	29.57	0.0174
16.44	0.0042	39.42	0.0243
20.51	0.0074	49.16	0.0318
20.46	0.0081	54.50	0.0353
20.47	0.0085	59.57	0.0412
27.05	0.0151	64.20	0.0471
34.69	0.0256	69.32	0.0539
34.53	0.0269	74.16	0.0614
34.53	0.0270	80.16	0.0682
39.70	0.0310	85.61	0.0802
45.90	0.0364	90.58	0.0905
45.65	0.0398	95.69	0.1005
45.62	0.0399	100.92	0.1129
50.10	0.0442	103.25	0.1126
53.47	0.0488	106.11	0.1259
53.29	0.0499	108.31	0.1305
53.21	0.0560	111.08	0.1391
50.49	0.0578	113.24	0.1459
46.14	0.0474	117.83	0.1615
46.13	0.0469	120.92	0.1756
44.97	0.0475	123.28	0.1909
38.98	0.0451	122.97	0.1951
33.99	0.0424	125.82	0.2102
33.96	0.0420	125.60	0.2155
26.83	0.0376	127.84	0.2251
21.88	0.0348	130.19	0.2445
21.90	0.0345	132.53	0.2621
16.69	0.0311	135.33	0.3042
11.74	0.0276	134.42	0.3139
11.77	0.0269	138.35	0.3570
5.05	0.0225	140.16	0.3910
0.02	0.0191	142.63	0.4353
-0.04	0.0171	145.78	0.4845
-0.02	0.0173	142.52	0.5037
-0.02	0.0169	0.22	0.5082
0.02	0.0166

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
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SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

THIS DOCUMENT FILMED

AT

24

REDUCTION

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0191 (CH 0769)

AZ = 348 DEGREES R = 11 FT 8.8 IN. V = 15 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 192 CHANNEL 780

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0029
5.33	0.0021	19.55	0.0103
12.31	0.0038	29.57	0.0181
16.44	0.0054	39.42	0.0256
20.51	0.0092	49.16	0.0325
20.46	0.0099	54.50	0.0369
20.47	0.0102	59.57	0.0414
27.05	0.0173	64.20	0.0470
34.69	0.0267	69.32	0.0528
34.53	0.0278	74.16	0.0593
34.53	0.0279	80.16	0.0684
39.70	0.0322	85.61	0.0764
45.90	0.0391	90.58	0.0843
45.65	0.0405	95.69	0.0939
45.62	0.0407	100.92	0.1041
50.10	0.0452	103.25	0.1089
53.47	0.0494	106.11	0.1143
53.29	0.0498	108.31	0.1186
53.21	0.0502	111.08	0.1247
50.49	0.0492	113.24	0.1293
46.14	0.0468	117.83	0.1413
46.13	0.0468	120.92	0.1503
44.97	0.0451	123.28	0.1581
38.98	0.0421	122.97	0.1588
33.99	0.0390	125.82	0.1678
33.96	0.0389	125.60	0.1701
26.83	0.0344	127.84	0.1769
21.88	0.0314	130.19	0.1880
21.90	0.0312	132.53	0.2028
16.69	0.0279	135.33	0.2225
11.74	0.0245	134.42	0.2255
11.77	0.0240	138.35	0.2297
5.05	0.0202	140.16	0.2383
0.02	0.0170	142.63	0.3406
-0.04	0.0147	145.78	0.4280
-0.02	0.0130	142.52	0.4399
-0.02	0.0140	0.22	0.2700
0.02	0.0142

C-1193

C-1193

C-1193

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0193 (CH 0781)

AZ = 350 DEGREES R = 11 FT 8.8 IN. V = 16 FT 9.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 194 CHANNEL 782

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0041
5.33	0.0018	19.55	0.0126
12.31	0.0035	29.57	0.0212
16.44	0.0044	39.42	0.0283
20.51	0.0050	49.16	0.0348
20.46	0.0044	54.50	0.0382
20.47	0.0042	59.57	0.0424
27.05	0.0093	64.20	0.0435
34.69	0.0178	69.32	0.0476
34.53	0.0191	74.16	0.0541
34.53	0.0198	80.16	0.0670
39.70	0.0260	85.61	0.0728
45.90	0.0353	90.58	0.0781
45.65	0.0383	95.69	0.0838
45.62	0.0392	100.92	0.0900
50.10	0.0433	103.25	0.0931
53.47	0.0481	106.11	0.0956
53.29	0.0497	108.31	0.0978
53.21	0.0501	111.08	0.1003
50.49	0.0497	113.24	0.1022
46.14	0.0477	117.83	0.1056
46.13	0.0475	120.92	0.1085
44.97	0.0450	123.28	0.1104
38.98	0.0418	122.97	0.1099
33.99	0.0373	125.82	0.1112
33.96	0.0348	125.60	0.1111
26.83	0.0316	127.84	0.1122
21.88	0.0287	130.19	0.1124
21.90	0.0278	132.53	0.1124
16.69	0.0247	135.33	0.1119
11.74	0.0218	134.42	0.1098
11.77	0.0226	138.35	0.1087
5.05	0.0183	140.16	0.1123
0.02	0.0139	142.63	0.1181
-0.04	0.0140	145.78	0.1272
-0.02	0.0119	142.52	0.1281
-0.02	0.0119	0.22	0.0175
0.02	0.0101		

FREE FIELD DIAGONAL REBAR STRAIN OF CYLINDER WALL

GAGE WR0194 (CH 0782)

AZ = 46.45 DEGREES R = 11 FT 8.8 IN. V = 4 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 195 CHANNEL 783

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0106
5.33	0.0050	19.55	0.0250
12.31	0.0114	29.57	0.0399
16.44	0.0155	39.42	0.0545
20.51	0.0221	49.16	0.0695
20.46	0.0220	54.50	0.0769
20.47	0.0213	59.57	0.0851
27.05	0.0347	64.20	0.0916
34.69	0.0483	69.32	0.1001
34.53	0.0479	74.16	0.1086
34.53	0.0479	80.16	0.1242
39.70	0.0569	85.61	0.1349
45.90	0.0671	90.58	0.1455
45.65	0.0675	95.69	0.1571
45.62	0.0684	100.92	0.1696
50.10	0.0748	103.25	0.1757
53.47	0.0800	106.11	0.1831
53.29	0.0802	108.31	0.1887
53.21	0.0802	111.08	0.1972
50.49	0.0769	113.24	0.2042
46.14	0.0709	117.83	0.2215
46.13	0.0708	120.92	0.2357
44.97	0.0648	123.28	0.2501
38.98	0.0561	122.97	0.2520
33.99	0.0489	125.82	0.2705
33.96	0.0472	125.60	0.2752
26.83	0.0363	127.84	0.2891
21.88	0.0296	130.19	0.3239
21.90	0.0298	132.53	0.4631
16.69	0.0221	135.33	0.6748
11.74	0.0152	134.42	0.6957
11.77	0.0166	138.35	0.7460
5.05	0.0078	140.16	0.7698
0.02	0.0014	142.63	0.7786
-0.04	0.0013	145.78	0.7866
-0.02	-0.0004	142.52	0.8520
-0.02	-0.0008	0.22	0.5964
0.02	-0.0012		

FREE FIELD DIAGONAL REBAR STRAIN OF CYLINDER WALL

GAGE WR0195 (CH 0783)

AZ = 45.5 DEGREES R = 11 FT 8.8 IN. V = 10 FT 11 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 196 CHANNEL 784

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure	% Strain	Pressure	% Strain
-0.05	-0.2204	9.89	-0.1966
5.33	0.0543	19.55	-0.0577
12.31	0.2333	29.57	0.1210
16.44	0.4437	39.42	0.2884
20.51	0.2149	49.16	0.4376
20.46	0.1669	54.50	0.4651
20.47	0.2060	59.57	0.5781
27.05	0.0364	64.20	0.6423
34.69	-0.0261	69.32	0.7760
34.53	0.0205	74.16	0.8736
34.53	0.0299	80.16	0.8958
39.70	0.0227	85.61	1.1603
45.90	0.1120	90.58	1.2851
45.65	0.0216	95.69	1.4140
45.62	0.0043	100.92	1.7325
50.10	0.0273	103.25	1.8048
53.47	0.0737	106.11	1.8965
53.29	0.1505	108.31	1.9670
53.21	0.1596	111.09	2.0282
50.49	0.1583	113.24	2.4789
46.14	0.1610	117.83	2.8077
46.13	0.2066	120.92	3.0267
44.97	-0.2501	123.28	3.1921
38.98	-0.2727	122.97	3.5860
33.99	-0.3059	125.82	3.9068
33.96	-0.2684	125.60	4.9504
26.83	-0.2776	127.84	4.9503
21.88	-0.0281	130.19	5.0666
21.90	-0.1560	132.53	5.0408
16.69	-0.0685	135.33	5.7498
11.74	-0.0910	134.42	5.9070
11.77	-0.1224	138.35	6.0060
5.05	0.0825	140.16	6.2131
0.02	0.1568	142.63	6.0408
-0.04	-0.2032	145.78	6.2514
-0.02	-0.1002	142.52	5.7987
-0.02	-0.0266	0.22	5.3000
0.02	0.1312		

FREE FIELD DIAGONAL REBAR STRAIN OF CYLINDER WALL

GAGE W0196 (CH 0784)

AZ = 46 DEGREES R = 11 FT 8.8 IN. V = 17 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 197 CHANNEL 785

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	0.0060
5.33	0.0009	19.55	0.0182
12.31	0.0044	29.57	0.0309
16.44	0.0066	39.42	0.0432
20.51	0.0115	49.16	0.0549
20.46	0.0117	54.50	0.0613
20.47	0.0120	59.57	0.0681
27.05	0.0229	64.20	0.0750
34.69	0.0367	69.32	0.0828
34.53	0.0374	74.16	0.0904
34.53	0.0380	80.16	0.1038
39.70	0.0453	85.61	0.1131
45.90	0.0564	90.58	0.1214
45.65	0.0586	95.69	0.1301
45.62	0.0584	100.92	0.1399
50.10	0.0651	103.25	0.1441
53.47	0.0704	106.11	0.1494
53.29	0.0709	108.31	0.1532
53.21	0.0716	111.08	0.1591
50.49	0.0700	113.24	0.1634
46.14	0.0661	117.83	0.1743
46.13	0.0658	120.92	0.1822
44.97	0.0622	123.28	0.1885
38.98	0.0562	122.97	0.1887
33.99	0.0512	125.82	0.1967
33.96	0.0508	125.60	0.1975
26.83	0.0435	127.84	0.2030
21.88	0.0381	130.19	0.2135
21.90	0.0370	132.53	0.2298
16.69	0.0316	135.33	0.2635
11.74	0.0263	134.42	0.2707
11.77	0.0265	138.35	0.2950
5.05	0.0203	140.16	0.3776
0.02	0.0150	142.63	0.5209
-0.04	0.0136	145.78	0.6091
-0.02	0.0123	142.52	0.6261
-0.02	0.0112	0.22	0.4097
0.02	0.0106		

FREE FIELD DIAGONAL REBAR STRAIN OF CYLINDER WALL

GAGE WR0197 (CH 0785)

AZ = 47 DEGREES R = 11 FT 8.3 IN. V = 22 FT 0.0 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 198 CHANNEL 786

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0011
5.33	0.0004	19.55	0.0069
12.31	0.0018	29.57	0.0130
16.44	0.0030	39.42	0.0187
20.51	0.0047	49.16	0.0247
20.46	0.0052	54.50	0.0283
20.47	0.0054	59.57	0.0317
27.05	0.0089	64.20	0.0364
34.69	0.0174	69.32	0.0413
34.53	0.0186	74.16	0.0466
34.53	0.0194	80.16	0.0519
39.70	0.0234	85.61	0.0576
45.90	0.0300	90.58	0.0628
45.65	0.0307	95.69	0.0688
45.62	0.0303	100.92	0.0750
50.10	0.0336	103.25	0.0779
53.47	0.0368	106.11	0.0814
53.29	0.0368	108.31	0.0840
53.21	0.0374	111.08	0.0882
50.49	0.0365	113.24	0.0910
46.14	0.0347	117.83	0.0983
46.13	0.0347	120.92	0.1037
44.97	0.0353	123.28	0.1082
38.98	0.0328	122.97	0.1090
33.99	0.0306	125.82	0.1145
33.96	0.0305	125.60	0.1155
26.83	0.0275	127.84	0.1194
21.88	0.0251	130.19	0.1264
21.90	0.0254	132.53	0.1353
16.69	0.0232	135.33	0.1478
11.74	0.0207	134.42	0.1500
11.77	0.0197	138.35	0.1682
5.05	0.0163	140.16	0.1815
0.02	0.0134	142.63	0.1926
-0.04	0.0111	145.78	0.1992
-0.02	0.0113	142.52	0.1987
-0.02	0.0109	0.22	0.0832
0.02	0.0113

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 199 CHANNEL 787

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	-0.0001
5.33	0.0008	19.55	0.0046
12.31	0.0023	29.57	0.0091
16.44	0.0032	39.42	0.0139
20.51	0.0052	49.16	0.0185
20.46	0.0058	54.50	0.0213
20.47	0.0060	59.57	0.0242
27.05	0.0098	64.20	0.0278
34.69	0.0156	69.32	0.0309
34.53	0.0160	74.16	0.0336
34.53	0.0164	80.16	0.0387
39.70	0.0189	85.61	0.0405
45.90	0.0233	90.58	0.0426
45.65	0.0255	95.69	0.0446
45.62	0.0258	100.92	0.0475
50.10	0.0289	103.25	0.0487
53.47	0.0314	106.11	0.0505
53.29	0.0326	108.31	0.0516
53.21	0.0329	111.08	0.0534
50.49	0.0327	113.24	0.0547
46.14	0.0313	117.83	0.0571
46.13	0.0311	120.92	0.0591
44.97	0.0297	123.28	0.0615
38.98	0.0282	122.97	0.0617
33.99	0.0264	125.82	0.0631
33.96	0.0265	125.60	0.0633
26.83	0.0239	127.84	0.0644
21.88	0.0214	130.19	0.0642
21.90	0.0206	132.53	0.0634
16.69	0.0183	135.33	0.0636
11.74	0.0164	134.42	0.0636
11.77	0.0172	138.35	0.0655
5.05	0.0150	140.16	0.0672
0.02	0.0131	142.63	0.0715
-0.04	0.0128	145.78	0.0769
-0.02	0.0124	142.52	0.0760
-0.02	0.0119	0.22	-0.0023
0.02	0.0115

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 200 CHANNEL 788

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0091
5.33	0.0043	19.55	0.0237
12.31	0.0095	29.57	0.0386
16.44	0.0130	39.42	0.0516
20.51	0.0181	49.16	0.0654
20.46	0.0189	54.50	0.0733
20.47	0.0199	59.57	0.0809
27.05	0.0304	64.20	0.0892
34.69	0.0457	69.32	0.0978
34.53	0.0477	74.16	0.1080
34.53	0.0478	80.16	0.1193
39.70	0.0551	85.61	0.1317
45.90	0.0665	90.58	0.1438
45.65	0.0670	95.69	0.1576
45.62	0.0665	100.92	0.1740
50.10	0.0737	103.25	0.1819
53.47	0.0798	106.11	0.1912
53.29	0.0801	108.31	0.1986
53.21	0.0800	111.08	0.2100
50.49	0.0782	113.24	0.2189
46.14	0.0728	117.83	0.2437
46.13	0.0724	120.92	0.2646
44.97	0.0725	123.28	0.2850
38.98	0.0660	122.97	0.2895
33.99	0.0600	125.82	0.3156
33.96	0.0596	125.60	0.3226
26.83	0.0510	127.84	0.3407
21.88	0.0441	130.19	0.4614
21.90	0.0438	132.53	0.6263
16.69	0.0371	135.33	0.8592
11.74	0.0300	134.42	0.9072
11.77	0.0289	138.35	1.1735
5.05	0.0197	140.16	1.3537
0.02	0.0137	142.63	1.5858
-0.04	0.0113	145.78	1.7681
-0.02	0.0113	142.52	1.8159
-0.02	0.0116	0.22	1.4445
0.02	0.0121

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 201 CHANNEL 789

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	-0.0039
5.33	0.0003	19.55	-0.0032
12.31	0.0004	29.57	-0.0024
16.44	-0.0001	39.42	-0.0018
20.51	0.0004	49.16	-0.0007
20.46	-0.0003	54.50	0.0003
20.47	-0.0009	59.57	0.0008
27.05	-0.0007	64.20	0.0020
34.69	-0.0003	69.32	0.0031
34.53	0.0000	74.16	0.0043
34.53	0.0008	80.16	0.0088
39.70	0.0011	85.61	0.0112
45.90	0.0023	90.58	0.0136
45.65	0.0032	95.69	0.0157
45.62	0.0036	100.92	0.0175
50.10	0.0042	103.25	0.0179
53.47	0.0051	106.11	0.0179
53.29	0.0054	108.31	0.0186
53.21	0.0058	111.08	0.0189
50.49	0.0063	113.24	0.0188
46.14	0.0059	117.83	0.0185
46.13	0.0057	120.92	0.0183
44.97	0.0043	123.28	0.0177
38.98	0.0042	122.97	0.0178
33.99	0.0040	125.82	0.0173
33.96	0.0033	125.60	0.0170
26.83	0.0027	127.84	0.0169
21.88	0.0015	130.19	0.0171
21.90	0.0010	132.53	0.0175
16.69	0.0007	135.33	0.0166
11.74	0.0009	134.42	0.0158
11.77	0.0021	138.35	0.0149
5.05	0.0018	140.16	0.0135
0.02	0.0023	142.63	0.0114
-0.04	0.0031	145.78	0.0108
-0.02	0.0025	142.52	0.0086
-0.02	0.0014	0.22	-0.0034
0.02	0.0015

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 202 CHANNEL 800

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure	% Strain	Pressure	% Strain	Pressure	% Strain
-0.05	-0.0003	9.89	-0.0009	0.0393	0.0009
5.33	0.0011	19.55	0.0019	0.1550	0.0019
12.31	0.0016	29.57	0.0060	0.1563	0.0060
16.44	0.0021	39.42	0.0097	0.1524	0.0097
20.51	0.0030	49.16	0.0143	0.1486	0.0143
20.46	0.0030	54.50	0.0172	0.1460	0.0172
20.47	0.0036	59.57	0.0219	0.1460	0.0219
27.05	0.0047	64.20	0.0285	0.1460	0.0285
34.69	0.0078	69.32	0.0363	0.1460	0.0363
34.53	0.0086	74.16	0.0442	0.1460	0.0442
34.53	0.0093	80.16	0.0534	0.1460	0.0534
39.70	0.0116	85.61	0.0609	0.1460	0.0609
45.90	0.0156	90.58	0.0684	0.1460	0.0684
45.65	0.0161	95.69	0.0765	0.1460	0.0765
45.62	0.0163	100.92	0.0847	0.1460	0.0847
50.10	0.0185	103.25	0.0891	0.1460	0.0891
53.47	0.0219	106.11	0.0927	0.1460	0.0927
53.29	0.0237	108.31	0.0957	0.1460	0.0957
53.21	0.0235	111.08	0.1002	0.1460	0.1002
50.49	0.0239	113.24	0.1035	0.1460	0.1035
46.14	0.0231	117.83	0.1109	0.1460	0.1109
46.13	0.0229	120.92	0.1164	0.1460	0.1164
44.97	0.0233	123.28	0.1207	0.1460	0.1207
38.98	0.0224	122.97	0.1212	0.1460	0.1212
33.99	0.0221	125.82	0.1252	0.1460	0.1252
33.96	0.0219	125.60	0.1262	0.1460	0.1262
26.83	0.0206	127.84	0.1284	0.1460	0.1284
21.88	0.0197	130.19	0.1322	0.1460	0.1322
21.90	0.0203	132.53	0.1361	0.1460	0.1361
16.69	0.0193	135.33	0.1407	0.1460	0.1407
11.74	0.0184	134.42	0.1411	0.1460	0.1411
11.77	0.0177	138.35	0.1460	0.1460	0.1460
5.05	0.0157	140.16	0.1486	0.1486	0.1486
0.02	0.0144	142.63	0.1524	0.1524	0.1524
-0.04	0.0117	145.78	0.1563	0.1563	0.1563
-0.02	0.0121	142.52	0.1550	0.1550	0.1550
-0.02	0.0125	0.22	0.0393	0.0393	0.0393
0.02	0.0127				

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0202 (CH 0800) ON RADIAL BAR AT
 AZ = 180 DEGREES R = 11 FT 2.5 IN. V = 15 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 203 CHANNEL 801

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0008
5.33	0.0015	19.55	0.0058
12.31	0.0023	29.57	0.0109
16.44	0.0039	39.42	0.0156
20.51	0.0055	49.16	0.0198
20.46	0.0055	54.50	0.0225
20.47	0.0061	59.57	0.0249
27.05	0.0096	64.20	0.0279
34.69	0.0154	69.32	0.0309
34.53	0.0174	74.16	0.0351
34.53	0.0182	80.16	0.0405
39.70	0.0215	85.61	0.0425
45.90	0.0263	90.58	0.0434
45.65	0.0261	95.69	0.0441
45.62	0.0264	100.92	0.0446
50.10	0.0290	103.25	0.0443
53.47	0.0311	106.11	0.0448
53.29	0.0319	108.31	0.0453
53.21	0.0310	111.08	0.0444
50.49	0.0305	113.24	0.0424
46.14	0.0296	117.83	0.0428
46.13	0.0290	120.92	0.0441
44.97	0.0287	123.28	0.0443
38.98	0.0270	122.97	0.0451
33.99	0.0252	125.82	0.0477
33.96	0.0251	125.60	0.0482
26.83	0.0225	127.84	0.0496
21.88	0.0203	130.19	0.0531
21.90	0.0210	132.53	0.0558
16.69	0.0187	135.33	0.0587
11.74	0.0161	134.42	0.0588
11.77	0.0156	138.35	0.0620
5.05	0.0126	140.16	0.0630
0.02	0.0100	142.63	0.0648
-0.04	0.0080	145.78	0.0670
-0.02	0.0085	142.52	0.0644
-0.02	0.0090	0.22	-0.0075
0.02	0.0098		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0203 (CH 0801) ON HOOP BAR AT
 AZ = 169.5 DEGREES R = 11 FT 5 IN. V = 12 FT 11.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 204 CHANNEL 802

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0016
5.33	0.0002	19.55	0.0006
12.31	0.0003	29.57	0.0036
16.44	0.0005	39.42	0.0067
20.51	0.0016	49.16	0.0102
20.46	0.0021	54.50	0.0123
20.47	0.0024	59.57	0.0166
27.05	0.0040	64.20	0.0232
34.69	0.0071	69.32	0.0297
34.53	0.0062	74.16	0.0363
34.53	0.0063	80.16	0.0462
39.70	0.0085	85.61	0.0515
45.90	0.0125	90.58	0.0563
45.65	0.0159	95.69	0.0606
45.62	0.0171	100.92	0.0651
50.10	0.0198	103.25	0.0671
53.47	0.0234	106.11	0.0707
53.29	0.0255	108.31	0.0712
53.21	0.0261	111.08	0.0735
50.49	0.0259	113.24	0.0751
46.14	0.0258	117.83	0.0779
46.13	0.0258	120.92	0.0791
44.97	0.0246	123.28	0.0800
38.98	0.0238	122.97	0.0794
33.99	0.0234	125.82	0.0807
33.96	0.0231	125.60	0.0804
26.83	0.0226	127.84	0.0820
21.88	0.0208	130.19	0.0831
21.90	0.0204	132.53	0.0845
16.69	0.0192	135.33	0.0857
11.74	0.0182	134.42	0.0850
11.77	0.0196	138.35	0.0863
5.05	0.0189	140.16	0.0861
0.02	0.0189	142.63	0.0860
-0.04	0.0174	145.78	0.0858
-0.02	0.0170	142.52	0.0841
-0.02	0.0171	0.22	0.0152
0.02	0.0171		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0204 (CH 0802) ON RADIAL BAR AT
 AZ = 166.5 DEGREES R = 11 FT 2.5 IN. V = 13 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 205 CHANNEL 803

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0009
5.33	0.0003	19.55	0.0025
12.31	0.0010	29.57	0.0058
16.44	0.0015	39.42	0.0087
20.51	0.0022	49.16	0.0119
20.46	0.0024	54.50	0.0142
20.47	0.0025	59.57	0.0164
27.05	0.0034	64.20	0.0203
34.69	0.0049	69.32	0.0251
34.53	0.0056	74.16	0.0315
34.53	0.0063	80.16	0.0406
39.70	0.0083	85.61	0.0486
45.90	0.0127	90.58	0.0566
45.65	0.0136	95.69	0.0657
45.62	0.0141	100.92	0.0760
50.10	0.0160	103.25	0.0815
53.47	0.0197	106.11	0.0864
53.29	0.0209	108.31	0.0901
53.21	0.0213	111.08	0.0957
50.49	0.0211	113.24	0.1004
46.14	0.0203	117.83	0.1097
46.13	0.0207	120.92	0.1167
44.97	0.0208	123.28	0.1229
38.98	0.0198	122.97	0.1245
33.99	0.0191	125.82	0.1296
33.96	0.0189	125.60	0.1317
26.83	0.0180	127.84	0.1346
21.88	0.0175	130.19	0.1409
21.90	0.0176	132.53	0.1472
16.69	0.0166	135.33	0.1556
11.74	0.0154	134.42	0.1578
11.77	0.0149	138.35	0.1675
5.05	0.0132	140.16	0.1747
0.02	0.0116	142.63	0.1817
-0.04	0.0092	145.78	0.1883
-0.02	0.0094	142.52	0.1877
-0.02	0.0097	0.22	0.0412
0.02	0.0093		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0205 (CH 0803) ON RADIAL BAR AT
 AZ = 166.5 DEGREES R = 11 FT 2.5 IN. V = 13 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 206 CHANNEL 804

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0066
5.33	0.0019	19.55	0.0181
12.31	0.0055	29.57	0.0307
16.44	0.0091	39.42	0.0434
20.51	0.0161	49.16	0.0541
20.46	0.0174	54.50	0.0584
20.47	0.0181	59.57	0.0567
27.05	0.0291	64.20	0.0472
34.69	0.0419	69.32	0.0477
34.53	0.0422	74.16	0.0504
34.53	0.0420	80.16	0.0546
39.70	0.0474	85.61	0.0594
45.90	0.0548	90.58	0.0631
45.65	0.0539	95.69	0.0678
45.62	0.0542	100.92	0.0729
50.10	0.0596	103.25	0.0751
53.47	0.0640	106.11	0.0776
53.29	0.0638	108.31	0.0797
53.21	0.0637	111.08	0.0824
50.49	0.0611	113.24	0.0843
46.14	0.0572	117.83	0.0891
46.13	0.0570	120.92	0.0925
44.97	0.0563	123.28	0.0955
38.98	0.0502	122.97	0.0954
33.99	0.0446	125.82	0.0984
33.96	0.0447	125.60	0.0988
26.83	0.0365	127.84	0.1014
21.88	0.0311	130.19	0.1048
21.90	0.0307	132.53	0.1089
16.69	0.0247	135.33	0.1143
11.74	0.0181	134.42	0.1144
11.77	0.0169	138.35	0.1198
5.05	0.0092	140.16	0.1237
0.02	0.0040	142.63	0.1282
-0.04	0.0033	145.78	0.1323
-0.02	0.0043	142.52	0.1307
-0.02	0.0044	0.22	0.0219
0.02	0.0045		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0206 (CH 0804) ON HOOP BAR AT
 AZ = 179 DEGREES R = 11 FT 5 IN. V = 15 FT 1 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 207 CHANNEL 805

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0002
5.33	0.0000	19.55	0.0044
12.31	0.0003	29.57	0.0087
16.44	0.0000	39.42	0.0128
20.51	-0.0001	49.16	0.0171
20.46	0.0001	54.50	0.0194
20.47	-0.0009	59.57	0.0221
27.05	0.0019	64.20	0.0263
34.69	0.0065	69.32	0.0300
34.53	0.0047	74.16	0.0355
34.53	0.0044	80.16	0.0463
39.70	0.0073	85.61	0.0520
45.90	0.0165	90.58	0.0581
45.65	0.0229	95.69	0.0646
45.62	0.0245	100.92	0.0715
50.10	0.0290	103.25	0.0744
53.47	0.0335	106.11	0.0778
53.29	0.0350	108.31	0.0803
53.21	0.0363	111.08	0.0837
50.49	0.0360	113.24	0.0866
46.14	0.0350	117.83	0.0923
46.13	0.0353	120.92	0.0966
44.97	0.0316	123.28	0.1000
38.98	0.0302	122.97	0.1004
33.99	0.0280	125.82	0.1039
33.96	0.0279	125.60	0.1046
26.83	0.0247	127.84	0.1063
21.88	0.0226	130.19	0.1106
21.90	0.0207	132.53	0.1143
16.69	0.0182	135.33	0.1182
11.74	0.0167	134.42	0.1183
11.77	0.0193	138.35	0.1225
5.05	0.0181	140.16	0.1255
0.02	0.0177	142.63	0.1289
-0.04	0.0177	145.78	0.1342
-0.02	0.0164	142.52	0.1349
-0.02	0.0163	0.22	0.0238
0.02	0.0150		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0207 (CH 0805) ON RADIAL BAR AT
 AZ = 168 DEGREES R = 12 FT 3 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 208 CHANNEL 806

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	0.0036
5.33	0.0008	19.55	0.0109
12.31	0.0020	29.57	0.0188
16.44	0.0030	39.42	0.0268
20.51	0.0046	49.16	0.0346
20.46	0.0052	54.50	0.0390
20.47	0.0052	59.57	0.0443
27.05	0.0107	64.20	0.0501
34.69	0.0204	69.32	0.0567
34.53	0.0218	74.16	0.0642
34.53	0.0218	80.16	0.0722
39.70	0.0274	85.61	0.0802
45.90	0.0365	90.58	0.0881
45.65	0.0386	95.69	0.0971
45.62	0.0383	100.92	0.1066
50.10	0.0435	103.25	0.1109
53.47	0.0480	106.11	0.1161
53.29	0.0491	108.31	0.1204
53.21	0.0496	111.08	0.1266
50.49	0.0480	113.24	0.1315
46.14	0.0458	117.83	0.1428
46.13	0.0461	120.92	0.1514
44.97	0.0460	123.28	0.1599
38.98	0.0435	122.97	0.1621
33.99	0.0399	125.82	0.1722
33.96	0.0399	125.60	0.1751
26.83	0.0358	127.84	0.1810
21.88	0.0326	130.19	0.1928
21.90	0.0323	132.53	0.1993
16.69	0.0291	135.33	0.2062
11.74	0.0258	134.42	0.2057
11.77	0.0251	138.35	0.2123
5.05	0.0213	140.16	0.2142
0.02	0.0175	142.63	0.2182
-0.04	0.0157	145.78	0.2223
-0.02	0.0160	142.52	0.2188
-0.02	0.0161	0.22	0.0616
0.02	0.0160		

LOCAL REINFORCING STRAIN IN THE BOSS OF PL-A
GAGE WR0208 (CH 0806) ON RADIAL BAR AT
AZ = 269.5 DEGREES R = 11 FT 2.3 IN. V = 14 FT 10 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 209 CHANNEL 807

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0016	9.89	0.0010
5.33	0.0010	19.55	0.0068
12.31	0.0035	29.57	0.0127
16.44	0.0048	39.42	0.0191
20.51	0.0074	49.16	0.0248
20.46	0.0086	54.50	0.0286
20.47	0.0086	59.57	0.0321
27.05	0.0151	64.20	0.0421
34.69	0.0230	69.32	0.0519
34.53	0.0240	74.16	0.0584
34.53	0.0242	80.16	0.0655
39.70	0.0282	85.61	0.0698
45.90	0.0333	90.58	0.0732
45.65	0.0345	95.69	0.0774
45.62	0.0348	100.92	0.0820
50.10	0.0375	103.25	0.0837
53.47	0.0398	106.11	0.0865
53.29	0.0402	108.31	0.0882
53.21	0.0400	111.08	0.0904
50.49	0.0394	113.24	0.0919
46.14	0.0372	117.83	0.0952
46.13	0.0371	120.92	0.0976
44.97	0.0348	123.28	0.0998
38.98	0.0320	122.97	0.0993
33.99	0.0303	125.82	0.1017
33.96	0.0301	125.60	0.1013
26.83	0.0264	127.84	0.1031
21.88	0.0243	130.19	0.1049
21.90	0.0239	132.53	0.1063
16.69	0.0215	135.33	0.1089
11.74	0.0193	134.42	0.1103
11.77	0.0189	138.35	0.1148
5.05	0.0155	140.16	0.1200
0.02	0.0133	142.63	0.1259
-0.04	0.0099	145.78	0.1339
-0.02	0.0093	142.52	0.1357
-0.02	0.0107	0.22	0.0200
0.02	0.0106		

LOCAL REINFORCING STRAIN IN THE BOSS OF PL-A
 GAGE WR0209 (CH 0807) ON HOOP BAR AT
 AZ = 270.5 DEGREES R = 11 FT 2.3 IN. V = 14 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 210 CHANNEL 808

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0011	9.89	0.0071
5.33	0.0013	19.55	0.0179
12.31	0.0046	29.57	0.0298
16.44	0.0072	39.42	0.0412
20.51	0.0134	49.16	0.0520
20.46	0.0150	54.50	0.0584
20.47	0.0156	59.57	0.0653
27.05	0.0257	64.20	0.0724
34.69	0.0393	69.32	0.0805
34.53	0.0403	74.16	0.0891
34.53	0.0402	80.16	0.0984
39.70	0.0468	85.61	0.1070
45.90	0.0560	90.58	0.1161
45.65	0.0573	95.09	0.1266
45.62	0.0575	100.92	0.1372
50.10	0.0633	103.25	0.1430
53.47	0.0686	106.11	0.1496
53.29	0.0696	108.31	0.1545
53.21	0.0695	111.08	0.1634
50.49	0.0677	113.24	0.1694
46.14	0.0639	117.83	0.1853
46.13	0.0640	120.92	0.1976
44.97	0.0638	123.28	0.2098
38.98	0.0587	122.97	0.2126
33.99	0.0539	125.82	0.2286
33.96	0.0533	125.60	0.2331
26.83	0.0461	127.84	0.2438
21.88	0.0410	130.19	0.2602
21.90	0.0406	132.53	0.2837
16.69	0.0351	135.33	0.3153
11.74	0.0296	134.42	0.3294
11.77	0.0288	138.35	0.6351
5.05	0.0222	140.16	0.8228
0.02	0.0181	142.63	0.9868
-0.04	0.0165	145.78	1.1126
-0.02	0.0168	142.52	1.1541
-0.02	0.0168	142.52	0.8735
0.02	0.0164	0.22

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 211 CHANNEL 809

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	-0.0026
5.33	0.0005	19.55	-0.0012
12.31	0.0014	29.57	-0.0002
16.44	0.0016	39.42	0.0013
20.51	0.0018	49.16	0.0025
20.46	0.0020	54.50	0.0037
20.47	0.0024	59.57	0.0043
27.05	0.0024	64.20	0.0056
34.69	0.0041	69.32	0.0074
34.53	0.0044	74.16	0.0090
34.53	0.0046	80.16	0.0124
39.70	0.0050	85.61	0.0148
45.90	0.0068	90.58	0.0178
45.65	0.0076	95.69	0.0211
45.62	0.0082	100.92	0.0246
50.10	0.0090	103.25	0.0263
53.47	0.0098	106.11	0.0281
53.29	0.0104	108.31	0.0292
53.21	0.0102	111.08	0.0310
50.49	0.0107	113.24	0.0321
46.14	0.0101	117.83	0.0350
46.13	0.0099	120.92	0.0372
44.97	0.0088	123.28	0.0385
38.98	0.0082	122.97	0.0380
33.99	0.0083	125.82	0.0380
33.96	0.0086	125.60	0.0378
26.83	0.0079	127.84	0.0389
21.88	0.0078	130.19	0.0398
21.90	0.0079	132.53	0.0393
16.69	0.0073	135.33	0.0395
11.74	0.0070	134.42	0.0395
11.77	0.0069	138.35	0.0408
5.05	0.0065	140.16	0.0418
0.02	0.0065	142.63	0.0431
-0.04	0.0029	145.78	0.0448
-0.02	0.0037	142.52	0.0463
-0.02	0.0047	0.22	0.0211
0.02	0.0052		

LOCAL REINFORCING STRAIN IN THE BOSS OF PL-A
GAGE WR0211 (CH 0809) ON HOOP BAR AT
AZ = 263 DEGREES R = 12 FT 2.8 IN. V = 13 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 212 CHANNEL 820

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0019
5.33	0.0006	19.55	0.0083
12.31	0.0019	29.57	0.0153
16.44	0.0031	39.42	0.0222
20.51	0.0046	49.16	0.0288
20.46	0.0052	54.50	0.0332
20.47	0.0056	59.57	0.0381
27.05	0.0109	64.20	0.0444
34.69	0.0196	69.32	0.0521
34.53	0.0208	74.16	0.0613
34.53	0.0211	80.16	0.0746
39.70	0.0251	85.61	0.0867
45.90	0.0329	90.58	0.0984
45.65	0.0341	95.69	0.1115
45.62	0.0348	100.92	0.1258
50.10	0.0386	103.25	0.1332
53.47	0.0432	106.11	0.1401
53.29	0.0444	108.31	0.1455
53.21	0.0447	111.08	0.1536
50.49	0.0443	113.24	0.1602
46.14	0.0421	117.83	0.1746
46.13	0.0421	120.92	0.1848
44.97	0.0424	123.28	0.1926
38.98	0.0394	122.97	0.1934
33.99	0.0368	125.82	0.2008
33.96	0.0370	125.60	0.2022
26.83	0.0324	127.84	0.2078
21.88	0.0297	130.19	0.2143
21.90	0.0293	132.53	0.2211
16.69	0.0262	135.33	0.2295
11.74	0.0231	134.42	0.2292
11.77	0.0232	138.35	0.2361
5.05	0.0190	140.16	0.2417
0.02	0.0164	142.63	0.2495
-0.04	0.0139	145.78	0.2634
-0.02	0.0140	142.52	0.2618
-0.02	0.0137	0.22	0.0831
0.02	0.0134

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 213 CHANNEL 821

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0059
5.33	0.0024	19.55	0.0167
12.31	0.0070	29.57	0.0277
16.44	0.0096	39.42	0.0384
20.51	0.0139	49.16	0.0480
20.46	0.0142	54.50	0.0529
20.47	0.0148	54.57	0.0581
27.05	0.0269	64.20	0.0670
34.69	0.0423	69.32	0.0759
34.53	0.0429	74.16	0.0847
34.53	0.0432	80.16	0.0847
39.70	0.0495	85.61	0.0942
45.90	0.0575	90.58	0.1032
45.65	0.0573	95.69	0.1144
45.62	0.0575	100.92	0.1252
50.10	0.0624	103.25	0.1288
53.47	0.0659	106.11	0.1326
53.29	0.0656	108.31	0.1344
53.21	0.0656	111.08	0.1314
50.49	0.0633	113.24	0.1324
46.14	0.0592	117.83	0.1367
46.13	0.0587	120.92	0.1391
44.97	0.0583	123.28	0.1406
38.98	0.0522	122.97	0.1401
33.99	0.0470	125.82	0.1442
33.96	0.0468	125.60	0.1438
26.83	0.0386	127.84	0.1485
21.88	0.0329	130.19	0.1535
21.90	0.0326	132.53	0.1608
16.69	0.0265	135.33	0.1690
11.74	0.0210	134.42	0.1680
11.77	0.0208	138.35	0.1788
5.05	0.0136	140.16	0.1812
0.02	0.0083	142.63	0.1858
-0.04	0.0069	145.78	0.1978
-0.02	0.0079	142.52	0.1949
-0.02	0.0071	0.22	0.0905
0.02	0.0074

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 214 CHANNEL 822

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0017
5.33	0.0001	19.55	0.0091
12.31	0.0013	29.57	0.0171
16.44	0.0020	39.42	0.0248
20.51	0.0041	49.16	0.0324
20.46	0.0043	54.50	0.0368
20.47	0.0046	59.57	0.0421
27.05	0.0127	64.20	0.0488
34.69	0.0228	69.32	0.0551
34.53	0.0236	74.16	0.0608
34.53	0.0242	80.16	0.0695
39.70	0.0289	85.61	0.0756
45.90	0.0366	90.58	0.0829
45.65	0.0380	95.69	0.0898
45.62	0.0385	100.92	0.0982
50.10	0.0424	103.25	0.1021
53.47	0.0466	106.11	0.1067
53.29	0.0472	108.31	0.1106
53.21	0.0474	111.08	0.1156
50.49	0.0465	113.24	0.1200
46.14	0.0439	117.83	0.1295
46.13	0.0437	120.92	0.1370
44.97	0.0408	123.28	0.1443
38.98	0.0371	122.97	0.1459
33.99	0.0341	125.82	0.1546
33.96	0.0339	125.60	0.1568
26.83	0.0288	127.84	0.1620
21.88	0.0253	130.19	0.1709
21.90	0.0250	132.53	0.1815
16.69	0.0213	135.33	0.1959
11.74	0.0179	134.42	0.1986
11.77	0.0184	138.35	0.2182
5.05	0.0146	140.16	0.2362
0.02	0.0114	142.63	0.2676
-0.04	0.0104	145.78	0.3123
-0.02	0.0099	142.52	0.3212
-0.02	0.0089	0.22	0.1565
0.02	0.0088		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-A
GAGE WR0214 (CH 0822) ON HOOP BAR AT
AZ = 0.0 DEGREES R = 12 FT 3 IN. V = 15 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 215 CHANNEL 823

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0039
5.33	-0.0004	19.55	-0.0036
12.31	-0.0002	29.57	-0.0034
16.44	-0.0005	39.42	-0.0030
20.51	0.0002	49.16	-0.0012
20.46	-0.0001	54.50	0.0041
20.47	0.0000	59.57	0.0140
27.05	0.0008	64.20	0.0240
34.69	0.0008	69.32	0.0307
34.53	0.0012	74.16	0.0371
34.53	0.0011	80.16	0.0464
39.70	0.0008	85.61	0.0533
45.90	0.0010	90.58	0.0599
45.65	0.0015	95.69	0.0670
45.62	0.0010	100.92	0.0734
50.10	0.0015	103.25	0.0765
53.47	0.0018	106.11	0.0792
53.29	0.0020	108.31	0.0818
53.21	0.0021	111.08	0.0847
50.49	0.0025	113.24	0.0873
46.14	0.0028	117.83	0.0933
46.13	0.0026	120.92	0.0973
44.97	0.0031	123.28	0.1009
38.98	0.0036	122.97	0.1014
33.99	0.0036	125.82	0.1039
33.96	0.0036	125.60	0.1040
26.83	0.0035	127.84	0.1059
21.88	0.0039	130.19	0.1083
21.90	0.0036	132.53	0.1115
16.69	0.0041	135.33	0.1152
11.74	0.0039	134.42	0.1153
11.77	0.0040	138.35	0.1207
5.05	0.0038	140.16	0.1243
0.02	0.0039	142.63	0.1296
-0.04	0.0036	145.78	0.1347
-0.02	0.0032	142.52	0.1345
-0.02	0.0033	0.22	0.0667
0.02	0.0038		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-A
 GAGE WR0215 (CH 0823) ON RADIAL BAR AT
 AZ = 0.0 DEGREES R = 12 FT 4.5 IN. V = 16 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 216 CHANNEL 824

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0024
5.33	0.0031	19.55	0.0081
12.31	0.0054	29.57	0.0140
16.44	0.0062	39.42	0.0197
20.51	0.0075	49.16	0.0247
20.46	0.0076	54.50	0.0280
20.47	0.0079	59.57	0.0318
27.05	0.0123	64.20	0.0362
34.69	0.0184	69.32	0.0411
34.53	0.0191	74.16	0.0460
34.53	0.0192	80.16	0.0558
39.70	0.0229	85.61	0.0625
45.90	0.0283	90.58	0.0695
45.65	0.0297	95.69	0.0769
45.62	0.0300	100.92	0.0854
50.10	0.0329	103.25	0.0896
53.47	0.0356	106.11	0.0940
53.29	0.0359	108.31	0.0972
53.21	0.0363	111.08	0.1026
50.49	0.0361	113.24	0.1063
46.14	0.0350	117.83	0.1158
46.13	0.0350	120.92	0.1232
44.97	0.0267	123.28	0.1266
38.98	0.0252	122.97	0.1250
33.99	0.0237	125.82	0.1306
33.96	0.0245	125.60	0.1305
26.83	0.0211	127.84	0.1368
21.88	0.0188	130.19	0.1493
21.90	0.0186	132.53	0.1637
16.69	0.0163	135.33	0.1827
11.74	0.0133	134.42	0.1861
11.77	0.0145	138.35	0.2110
5.05	0.0107	140.16	0.2299
0.02	0.0083	142.63	0.2557
-0.04	0.0020	145.78	0.2842
-0.02	-0.0018	142.52	0.2938
-0.02	0.0001	0.22	0.1652
0.02	0.0034		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-A
 GAGE WR0216 (CH 0824) ON HOOP BAR AT
 AZ = 346 DEGREES R = 12 FT 5.3 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 217 CHANNEL 825

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0020
5.33	0.0015	19.55	0.0086
12.31	0.0025	29.57	0.0152
16.44	0.0034	39.42	0.0217
20.51	0.0054	49.16	0.0285
20.46	0.0062	54.50	0.0324
20.47	0.0063	59.57	0.0366
27.05	0.0142	64.20	0.0404
34.69	0.0232	69.32	0.0449
34.53	0.0242	74.16	0.0496
34.53	0.0247	80.16	0.0545
39.70	0.0287	85.61	0.0593
45.90	0.0362	90.58	0.0642
45.65	0.0374	95.69	0.0702
45.62	0.0373	100.92	0.0754
50.10	0.0412	103.25	0.0782
53.47	0.0450	106.11	0.0812
53.29	0.0451	108.31	0.0837
53.21	0.0454	111.08	0.0872
50.49	0.0445	113.24	0.0899
46.14	0.0422	117.83	0.0963
46.13	0.0419	120.92	0.1011
44.97	0.0433	123.28	0.1056
38.98	0.0402	122.97	0.1068
33.99	0.0374	125.82	0.1113
33.96	0.0373	125.60	0.1128
26.83	0.0333	127.84	0.1162
21.88	0.0301	130.19	0.1218
21.90	0.0299	132.53	0.1276
16.69	0.0268	135.33	0.1365
11.74	0.0237	134.42	0.1379
11.77	0.0232	138.35	0.1505
5.05	0.0197	140.16	0.1607
0.02	0.0164	142.63	0.1743
-0.04	0.0146	145.78	0.1879
-0.02	0.0150	142.52	0.1891
-0.02	0.0155	0.22	0.0478
0.02	0.0155		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-A
 GAGE WR0217 (CH 0825) ON RADIAL BAR AT
 AZ = 350.5 DEGREES R = 11 FT 2.5 IN. V = 13 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 218 CHANNEL 826

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0006
5.33	0.0022	19.55	0.0046
12.31	0.0040	29.57	0.0093
16.44	0.0048	39.42	0.0129
20.51	0.0076	49.16	0.0164
20.46	0.0078	54.50	0.0184
20.47	0.0080	59.57	0.0205
27.05	0.0118	64.20	0.0223
34.69	0.0153	69.32	0.0238
34.53	0.0155	74.16	0.0252
34.53	0.0155	80.16	0.0255
39.70	0.0171	85.61	0.0274
45.90	0.0197	90.58	0.0294
45.65	0.0191	95.69	0.0322
45.62	0.0192	100.92	0.0351
50.10	0.0211	103.25	0.0373
53.47	0.0225	106.11	0.0390
53.29	0.0223	108.31	0.0404
53.21	0.0224	111.08	0.0428
50.49	0.0215	113.24	0.0441
46.14	0.0197	117.83	0.0472
46.13	0.0197	120.92	0.0500
44.97	0.0229	123.28	0.0531
38.98	0.0211	122.97	0.0549
33.99	0.0187	125.82	0.0579
33.96	0.0185	125.60	0.0583
26.83	0.0159	127.84	0.0583
21.88	0.0136	130.19	0.0606
21.90	0.0136	132.53	0.0652
16.69	0.0115	135.33	0.0703
11.74	0.0095	134.42	0.0722
11.77	0.0091	138.35	0.0779
5.05	0.0066	140.16	0.0837
0.02	0.0042	142.63	0.0959
-0.04	0.0052	145.78	0.1044
-0.02	0.0066	142.52	0.1071
-0.02	0.0067	0.22	0.0260
0.02	0.0057

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 219 CHANNEL 827

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	-0.0033
5.33	0.0006	19.55	-0.0029
12.31	0.0004	29.57	-0.0026
16.44	0.0003	39.42	-0.0017
20.51	-0.0003	49.16	-0.0006
20.46	-0.0004	54.50	0.0002
20.47	-0.0004	59.57	0.0012
27.05	-0.0011	64.20	0.0028
34.69	-0.0002	69.32	0.0046
34.53	-0.0001	74.16	0.0071
34.53	0.0003	80.16	0.0134
39.70	0.0007	85.61	0.0179
45.90	0.0027	90.58	0.0226
45.65	0.0039	95.69	0.0282
45.62	0.0045	100.92	0.0344
50.10	0.0050	103.25	0.0378
53.47	0.0067	106.11	0.0403
53.29	0.0076	108.31	0.0426
53.21	0.0083	111.08	0.0465
50.49	0.0089	113.24	0.0493
46.14	0.0095	117.83	0.0559
46.13	0.0099	120.92	0.0603
44.97	0.0098	123.28	0.0642
38.98	0.0098	122.97	0.0650
33.99	0.0103	125.82	0.0680
33.96	0.0103	125.60	0.0684
26.83	0.0104	127.84	0.0705
21.88	0.0100	130.19	0.0735
21.90	0.0102	132.53	0.0758
16.69	0.0100	135.33	0.0782
11.74	0.0095	134.42	0.0780
11.77	0.0100	138.35	0.0819
5.05	0.0092	140.16	0.0847
0.02	0.0087	142.63	0.0899
-0.04	0.0083	145.78	0.0943
-0.02	0.0074	142.52	0.0984
-0.02	0.0071	0.22	0.0311
0.02	0.0071

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 220 CHANNEL 828

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	-0.0046
5.33	0.0004	19.55	-0.0052
12.31	0.0004	29.57	-0.0056
16.44	0.0005	39.42	-0.0063
20.51	-0.0001	49.16	-0.0067
20.46	0.0000	54.50	-0.0069
20.47	0.0005	59.57	-0.0073
27.05	-0.0002	64.20	-0.0072
34.69	-0.0004	69.32	-0.0073
34.53	-0.0004	74.16	-0.0071
34.53	0.0000	80.16	-0.0065
39.70	-0.0004	85.61	-0.0071
45.90	0.0001	90.58	-0.0071
45.65	0.0006	95.69	-0.0069
45.62	0.0005	100.92	-0.0069
50.10	0.0003	103.25	-0.0065
53.47	0.0001	106.11	-0.0065
53.29	0.0004	108.31	-0.0063
53.21	0.0003	111.08	-0.0061
50.49	0.0006	113.24	-0.0056
46.14	0.0009	117.83	-0.0052
46.13	0.0007	120.92	-0.0048
44.97	0.0009	123.28	-0.0039
38.98	0.0013	122.97	-0.0035
33.99	0.0021	125.82	-0.0029
33.96	0.0023	125.60	-0.0026
26.83	0.0030	127.84	-0.0021
21.88	0.0033	130.19	-0.0024
21.90	0.0038	132.53	-0.0008
16.69	0.0039	135.33	-0.0003
11.74	0.0044	134.42	0.0007
11.77	0.0046	138.35	0.0008
5.05	0.0049	140.16	0.0020
0.02	0.0053	142.63	0.0071
-0.04	0.0026	145.78	0.0122
-0.02	0.0030	142.52	0.0167
-0.02	0.0039	0.22	0.0054
0.02	0.0047

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 221 CHANNEL 829

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	-0.0039
5.33	0.0011	19.55	-0.0030
12.31	0.0010	29.57	-0.0018
16.44	0.0016	39.42	-0.0002
20.51	0.0013	49.16	0.0022
20.46	0.0012	54.50	0.0043
20.47	0.0014	59.57	0.0071
27.05	0.0023	64.20	0.0122
34.69	0.0044	69.32	0.0157
34.53	0.0047	74.16	0.0184
34.53	0.0049	80.16	0.0242
39.70	0.0064	85.61	0.0259
45.90	0.0100	90.58	0.0274
45.65	0.0116	95.69	0.0289
45.62	0.0124	100.92	0.0306
50.10	0.0138	103.25	0.0312
53.47	0.0154	106.11	0.0323
53.29	0.0164	108.31	0.0328
53.21	0.0169	111.08	0.0338
50.49	0.0171	113.24	0.0349
46.14	0.0163	117.83	0.0365
46.13	0.0163	120.92	0.0372
44.97	0.0149	123.28	0.0383
38.98	0.0144	122.97	0.0389
33.99	0.0138	125.82	0.0401
33.96	0.0138	125.60	0.0407
26.83	0.0132	127.84	0.0401
21.88	0.0125	130.19	0.0396
21.90	0.0129	132.53	0.0383
16.69	0.0126	135.33	0.0368
11.74	0.0123	134.42	0.0378
11.77	0.0125	138.35	0.0366
5.05	0.0126	140.16	0.0391
0.02	0.0126	142.63	0.0448
-0.04	0.0117	145.78	0.0541
-0.02	0.0098	142.52	0.0562
-0.02	0.0107	0.22	-0.0106
0.02	0.0106

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 222 CHANNEL 840

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	-0.0039
5.33	0.0005	19.55	-0.0037
12.31	0.0003	29.57	-0.0034
16.44	0.0006	39.42	-0.0032
20.51	0.0008	49.16	-0.0030
20.46	0.0014	54.50	-0.0034
20.47	0.0008	59.57	-0.0031
27.05	0.0012	64.20	-0.0028
34.69	0.0015	69.32	-0.0026
34.53	0.0013	74.16	-0.0021
34.53	0.0013	80.16	-0.0047
39.70	0.0016	85.61	-0.0045
45.90	0.0021	90.58	-0.0039
45.65	0.0016	95.69	-0.0022
45.62	0.0018	100.92	-0.0004
50.10	0.0015	103.25	0.0009
53.47	0.0015	106.11	0.0021
53.29	0.0016	108.31	0.0031
53.21	0.0017	111.08	0.0042
50.49	0.0011	113.24	0.0053
46.14	0.0013	117.83	0.0076
46.13	0.0010	120.92	0.0095
44.97	0.0006	123.28	0.0116
38.98	0.0009	122.97	0.0121
33.99	0.0009	125.82	0.0130
33.96	0.0011	125.60	0.0139
26.83	0.0012	127.84	0.0149
21.88	0.0011	130.19	0.0164
21.90	0.0016	132.53	0.0175
16.69	0.0019	135.33	0.0199
11.74	0.0019	134.42	0.0214
11.77	0.0017	138.35	0.0241
5.05	0.0015	140.16	0.0265
0.02	0.0014	142.63	0.0310
-0.04	0.0006	145.78	0.0348
-0.02	0.0005	142.52	0.0366
-0.02	0.0004	0.22	0.0184
0.02	0.0004		

MERIDIONAL STRAIN LOWER BASEMAT REGION

GAGE WR0222 (CH 0840)

AZ = 90.67 DEGREES R = 11 FT 3.4 IN. V = 0.0 FT -11.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 223 CHANNEL 841

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	-0.0026
5.33	0.0002	19.55	-0.0008
12.31	0.0008	29.57	0.0011
16.44	0.0012	39.42	0.0033
20.51	0.0015	49.16	0.0052
20.46	0.0016	54.50	0.0067
20.47	0.0015	59.57	0.0076
27.05	0.0027	64.20	0.0120
34.69	0.0052	69.32	0.0155
34.53	0.0050	74.16	0.0230
34.53	0.0058	80.16	0.0389
39.70	0.0072	85.61	0.0470
45.90	0.0090	90.58	0.0545
45.65	0.0096	95.69	0.0621
45.62	0.0099	100.92	0.0670
50.10	0.0107	103.25	0.0698
53.47	0.0124	106.11	0.0725
53.29	0.0126	108.31	0.0742
53.21	0.0128	111.08	0.0777
50.49	0.0123	113.24	0.0807
46.14	0.0118	117.83	0.0871
46.13	0.0118	120.92	0.0926
44.97	0.0109	123.28	0.0973
38.98	0.0107	122.97	0.0985
33.99	0.0100	125.82	0.1032
33.96	0.0100	125.60	0.1043
26.83	0.0087	127.84	0.1076
21.88	0.0080	130.19	0.1143
21.90	0.0083	132.53	0.1214
16.69	0.0076	135.33	0.1290
11.74	0.0070	134.42	0.1300
11.77	0.0067	138.35	0.1369
5.05	0.0062	140.16	0.1418
0.02	0.0054	142.63	0.1479
-0.04	0.0043	145.78	0.1551
-0.02	0.0033	142.52	0.1554
-0.02	0.0040	0.22	0.0333
0.02	0.0031		

MERIDIONAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0223 (CH 0841)

AZ = 90.23 DEGREES R = 11 FT 3.4 IN. V = 1 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 224 CHANNEL 842

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0025
5.33	0.0011	19.55	0.0111
12.31	0.0038	29.57	0.0208
16.44	0.0056	39.42	0.0297
20.51	0.0080	49.16	0.0390
20.46	0.0092	54.50	0.0447
20.47	0.0097	59.57	0.0506
27.05	0.0160	64.20	0.0600
34.69	0.0253	69.32	0.0668
34.53	0.0271	74.16	0.0743
34.53	0.0270	80.16	0.0864
39.70	0.0329	85.61	0.0974
45.90	0.0413	90.58	0.1078
45.65	0.0417	95.69	0.1196
45.62	0.0416	100.92	0.1294
50.10	0.0457	103.25	0.1343
53.47	0.0511	106.11	0.1391
53.29	0.0515	108.31	0.1432
53.21	0.0514	111.08	0.1489
50.49	0.0493	113.24	0.1533
46.14	0.0464	117.83	0.1619
46.13	0.0463	120.92	0.1673
44.97	0.0441	123.28	0.1713
38.98	0.0404	122.97	0.1712
33.99	0.0372	125.82	0.1768
33.96	0.0380	125.60	0.1769
26.83	0.0332	127.84	0.1822
21.88	0.0295	130.19	0.1917
21.90	0.0294	132.53	0.2035
16.69	0.0251	135.33	0.2136
11.74	0.0214	134.42	0.2110
11.77	0.0206	138.35	0.2174
5.05	0.0153	140.16	0.2223
0.02	0.0113	142.63	0.2208
-0.04	0.0072	145.78	0.2342
-0.02	0.0063	142.52	0.3301
-0.02	0.0067	0.22	0.1537
0.02	0.0064		

MERIDIONAL STRAIN OF UPPER BASEMAT REGION

GAGE WR0224 (CH 0842)

AZ = 90.68 DEGREES R = 11 FT 3.4 IN. V = 1 FT 6.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 225 CHANNEL 843

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0072
5.33	0.0025	19.55	0.0200
12.31	0.0075	29.57	0.0335
16.44	0.0108	39.42	0.0472
20.51	0.0150	49.16	0.0596
20.46	0.0160	54.50	0.0671
20.47	0.0170	59.57	0.0743
27.05	0.0279	64.20	0.0827
34.69	0.0419	69.32	0.0901
34.53	0.0436	74.16	0.0984
34.53	0.0440	80.16	0.1100
39.70	0.0515	85.61	0.1201
45.90	0.0619	90.58	0.1281
45.65	0.0614	95.69	0.1365
45.62	0.0607	100.92	0.1457
50.10	0.0671	103.25	0.1509
53.47	0.0724	106.11	0.1568
53.29	0.0723	108.31	0.1623
53.21	0.0717	111.08	0.1709
50.49	0.0693	113.24	0.1800
46.14	0.0643	117.83	0.2019
46.13	0.0636	120.92	0.2173
44.97	0.0616	123.28	0.2313
38.98	0.0557	122.97	0.2336
33.99	0.0502	125.82	0.2553
33.96	0.0523	125.60	0.2605
26.83	0.0442	127.84	0.2799
21.88	0.0389	130.19	0.3498
21.90	0.0392	132.53	0.5162
16.69	0.0324	135.33	0.6828
11.74	0.0266	134.42	0.7098
11.77	0.0253	138.35	0.8120
5.05	0.0174	140.16	0.8866
0.02	0.0111	142.63	0.9836
-0.04	0.0079	145.78	1.0554
-0.02	0.0074	142.52	1.0758
-0.02	0.0080	0.22	0.7259
0.02	0.0081		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE WR0225 (CH 0843)
 AZ = 90.68 DEGREES R = 11 FT 3.4 IN. V = 1 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 226 CHANNEL 844

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0011
5.33	0.0006	19.55	0.0075
12.31	0.0028	29.57	0.0144
16.44	0.0038	39.42	0.0211
20.51	0.0054	49.16	0.0280
20.46	0.0059	54.50	0.0319
20.47	0.0068	59.57	0.0369
27.05	0.0117	64.20	0.0421
34.69	0.0207	69.32	0.0472
34.53	0.0224	74.16	0.0521
34.53	0.0229	80.16	0.0616
39.70	0.0267	85.61	0.0699
45.90	0.0341	90.58	0.0769
45.65	0.0344	95.69	0.0846
45.62	0.0342	100.92	0.0919
50.10	0.0378	103.25	0.0958
53.47	0.0418	106.11	0.0997
53.29	0.0421	108.31	0.1030
53.21	0.0421	111.08	0.1076
50.49	0.0407	113.24	0.1109
46.14	0.0389	117.83	0.1170
46.13	0.0385	120.92	0.1217
44.97	0.0385	123.28	0.1253
38.98	0.0353	122.97	0.1259
33.99	0.0326	125.82	0.1313
33.96	0.0333	125.60	0.1321
26.83	0.0293	127.84	0.1361
21.88	0.0262	130.19	0.1440
21.90	0.0251	132.53	0.1529
16.69	0.0216	135.33	0.1609
11.74	0.0181	134.42	0.1610
11.77	0.0179	138.35	0.1697
5.05	0.0137	140.16	0.1746
0.02	0.0101	142.63	0.1827
-0.04	0.0093	145.78	0.1912
-0.02	0.0093	142.52	0.1905
-0.02	0.0085	0.22	0.0433
0.02	0.0095		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE WR0226 (CH 0844)

AZ = 90.68 DEGREES R = 11 FT 3.4 IN. V = 2 FT 5.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 227 CHANNEL 845

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0006
5.33	0.0001	19.55	0.0027
12.31	0.0022	29.57	0.0053
16.44	0.0025	39.42	0.0081
20.51	0.0038	49.16	0.0107
20.46	0.0035	54.50	0.0128
20.47	0.0036	59.57	0.0139
27.05	0.0059	64.20	0.0160
34.69	0.0096	69.32	0.0177
34.53	0.0094	74.16	0.0188
34.53	0.0096	80.16	0.0220
39.70	0.0105	85.61	0.0241
45.90	0.0145	90.58	0.0254
45.65	0.0148	95.69	0.0267
45.62	0.0149	100.92	0.0275
50.10	0.0172	103.25	0.0283
53.47	0.0190	106.11	0.0290
53.29	0.0190	108.31	0.0295
53.21	0.0193	111.08	0.0302
50.49	0.0190	113.24	0.0312
46.14	0.0175	117.83	0.0328
46.13	0.0176	120.92	0.0345
44.97	0.0171	123.28	0.0352
38.98	0.0152	122.97	0.0359
33.99	0.0136	125.82	0.0369
33.96	0.0133	125.60	0.0376
26.83	0.0105	127.84	0.0389
21.88	0.0080	130.19	0.0403
21.90	0.0068	132.53	0.0432
16.69	0.0050	135.33	0.0459
11.74	0.0035	134.42	0.0471
11.77	0.0041	138.35	0.0513
5.05	0.0023	140.16	0.0540
0.02	0.0008	142.63	0.0580
-0.04	0.0025	145.78	0.0605
-0.02	0.0031	142.52	0.0602
-0.02	0.0023	0.22	0.0051
0.02	0.0024		

SHEAR BAR STRAIN IN THE WALL NEAR BASEMAT

GAGE WR0227 (CH 0845)

AZ = 88.3 DEGREES R = 11 FT 4.4 IN. V = 2 FT 9 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 228 CHANNEL 846

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0025
5.33	0.0005	19.55	0.0012
12.31	0.0020	29.57	0.0060
16.44	0.0030	39.42	0.0106
20.51	0.0053	49.16	0.0160
20.46	0.0057	54.50	0.0185
20.47	0.0055	59.57	0.0213
27.05	0.0095	64.20	0.0236
34.69	0.0138	69.32	0.0262
34.53	0.0137	74.16	0.0277
34.53	0.0136	80.16	0.0316
39.70	0.0159	85.61	0.0342
45.90	0.0180	90.58	0.0353
45.65	0.0172	95.69	0.0358
45.62	0.0170	100.92	0.0362
50.10	0.0190	103.25	0.0358
53.47	0.0204	106.11	0.0369
53.29	0.0194	108.31	0.0377
53.21	0.0198	111.08	0.0383
50.49	0.0185	113.24	0.0384
46.14	0.0166	117.83	0.0377
46.13	0.0161	120.92	0.0362
44.97	0.0151	123.28	0.0350
38.98	0.0118	122.97	0.0340
33.99	0.0101	125.82	0.0315
33.96	0.0097	125.60	0.0292
26.83	0.0061	127.84	0.0281
21.88	0.0038	130.19	0.0249
21.90	0.0036	132.53	0.0253
16.69	0.0011	135.33	0.0266
11.74	-0.0005	134.42	0.0260
11.77	-0.0006	138.35	0.0279
5.05	-0.0023	140.16	0.0325
0.02	-0.0033	142.63	0.0428
-0.04	-0.0034	145.78	0.0507
-0.02	-0.0035	142.52	0.0484
-0.02	-0.0043	0.22	0.0237
0.02	-0.0036		

SHEAR BAR STRAIN IN THE WALL NEAR BASEMAT

GAGE WR0228 (CH 0846)

AZ = 212.5 DEGREES R = 11 FT 4 IN. V = 1 FT 8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 229 CHANNEL 847

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0014	9.89	-0.0012
5.33	-0.0003	19.55	0.0013
12.31	0.0011	29.57	0.0040
16.44	0.0016	39.42	0.0067
20.51	0.0033	49.16	0.0093
20.46	0.0036	54.50	0.0110
20.47	0.0039	59.57	0.0125
27.05	0.0063	64.20	0.0143
34.69	0.0098	69.32	0.0160
34.53	0.0104	74.16	0.0177
34.53	0.0106	80.16	0.0216
39.70	0.0123	85.61	0.0242
45.90	0.0147	90.58	0.0269
45.65	0.0144	95.69	0.0292
45.62	0.0145	100.92	0.0319
50.10	0.0160	103.25	0.0325
53.47	0.0169	106.11	0.0342
53.29	0.0174	108.31	0.0352
53.21	0.0171	111.08	0.0364
50.49	0.0169	113.24	0.0373
46.14	0.0158	117.83	0.0404
46.13	0.0156	120.92	0.0427
44.97	0.0148	123.28	0.0443
38.98	0.0139	122.97	0.0446
33.99	0.0130	125.82	0.0466
33.96	0.0131	125.60	0.0467
26.83	0.0115	127.84	0.0476
21.88	0.0107	130.19	0.0485
21.90	0.0102	132.53	0.0512
16.69	0.0095	135.33	0.0535
11.74	0.0079	134.42	0.0539
11.77	0.0081	138.35	0.0573
5.05	0.0065	140.16	0.0593
0.02	0.0049	142.63	0.0617
-0.04	0.0045	145.78	0.0641
-0.02	0.0041	142.52	0.0638
-0.02	0.0038	0.22	0.0041
0.02	0.0046		

SHEAR BAR STRAIN IN THE WALL NEAR BASEMAT

GAGE WR0229 (CH 0847)

AZ = 212.63 DEGREES R = 11 FT 4 IN. V = 2 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 230 CHANNEL 848

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	0.0007
5.33	0.0003	19.55	0.0061
12.31	0.0026	29.57	0.0120
16.44	0.0044	39.42	0.0169
20.51	0.0076	49.16	0.0222
20.46	0.0078	54.50	0.0247
20.47	0.0081	59.57	0.0274
27.05	0.0139	64.20	0.0300
34.69	0.0194	69.32	0.0318
34.53	0.0196	74.16	0.0348
34.53	0.0193	80.16	0.0378
39.70	0.0226	85.61	0.0411
45.90	0.0256	90.58	0.0421
45.65	0.0253	95.69	0.0445
45.62	0.0254	100.92	0.0468
50.10	0.0279	103.25	0.0475
53.47	0.0294	106.11	0.0482
53.29	0.0292	108.31	0.0490
53.21	0.0290	111.08	0.0494
50.49	0.0279	113.24	0.0497
46.14	0.0255	117.83	0.0498
46.13	0.0258	120.92	0.0495
44.97	0.0234	123.28	0.0496
38.98	0.0205	122.97	0.0487
33.99	0.0177	125.82	0.0506
33.96	0.0174	125.60	0.0501
26.83	0.0135	127.84	0.0525
21.88	0.0102	130.19	0.0547
21.90	0.0100	132.53	0.0587
16.69	0.0071	135.33	0.0645
11.74	0.0050	134.42	0.0642
11.77	0.0050	138.35	0.0688
5.05	0.0020	140.16	0.0714
0.02	0.0011	142.63	0.0723
-0.04	0.0008	145.78	0.0726
-0.02	-0.0012	142.52	0.0686
-0.02	-0.0012	0.22	0.0434
0.02	0.0001		

SHEAR BAR STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE WR0230 (CH 0848)

AZ = 328.78 DEGREES R = 11 FT 4.3 IN. V = 1 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 231 CHANNEL 849

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0011	9.89	-0.0007
5.33	0.0031	19.55	0.0014
12.31	0.0049	29.57	0.0033
16.44	0.0054	39.42	0.0059
20.51	0.0064	49.16	0.0078
20.46	0.0068	54.50	0.0096
20.47	0.0068	55.57	0.0108
27.05	0.0080	64.20	0.0122
34.69	0.0101	69.37	0.0134
34.53	0.0110	74.16	0.0155
34.53	0.0110	80.16	0.0173
39.70	0.0123	85.61	0.0185
45.90	0.0141	90.58	0.0205
45.65	0.0138	95.69	0.0232
45.62	0.0142	100.92	0.0265
50.10	0.0147	103.25	0.0279
53.47	0.0157	106.11	0.0297
53.29	0.0158	108.31	0.0314
53.21	0.0154	111.08	0.0333
50.49	0.0153	113.24	0.0350
46.14	0.0140	117.83	0.0387
46.13	0.0136	120.92	0.0423
44.97	0.0148	123.28	0.0459
38.98	0.0141	122.97	0.0470
33.99	0.0135	125.82	0.0501
33.96	0.0135	125.60	0.0524
26.83	0.0121	127.84	0.0540
21.88	0.0112	130.19	0.0572
21.90	0.0111	132.53	0.0597
16.69	0.0103	135.33	0.0630
11.74	0.0096	134.42	0.0640
11.77	0.0095	138.35	0.0692
5.05	0.0079	140.16	0.0724
0.02	0.0072	142.63	0.0785
-0.04	0.0037	145.78	0.0840
-0.02	0.0050	142.52	0.0841
-0.02	0.0069	0.22	0.0086
0.02	0.0073		

SHEAR BAR STRAIN IN THE WALL NEAR BASEMAT

CAGE WR0231 (CH 0849)

AZ = 328.83 DEGREES R = 11 FT 5.5 IN. V = 2 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 232 CHANNEL 860

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	-0.0057
5.33	-0.0027	19.55	-0.0038
12.31	-0.0041	29.57	0.0002
16.44	-0.0051	39.42	0.0041
20.51	-0.0049	49.16	0.0084
20.46	-0.0048	54.50	0.0112
20.47	-0.0052	59.57	0.0140
27.05	-0.0035	64.20	0.0177
34.69	0.0001	69.32	0.0217
34.53	0.0006	74.16	0.0238
34.53	0.0007	80.16	0.0252
39.70	0.0033	85.61	0.0288
45.90	0.0086	90.58	0.0311
45.65	0.0090	95.69	0.0349
45.62	0.0092	100.92	0.0384
50.10	0.0119	103.25	0.0399
53.47	0.0149	106.11	0.0417
53.29	0.0153	108.31	0.0436
53.21	0.0151	111.08	0.0457
50.49	0.0139	113.24	0.0471
46.14	0.0126	117.83	0.0509
46.13	0.0124	120.92	0.0523
44.97	0.0133	123.28	0.0537
38.98	0.0106	122.97	0.0539
33.99	0.0089	125.82	0.0578
33.96	0.0092	125.60	0.0582
26.83	0.0063	127.84	0.0609
21.88	0.0046	130.19	0.0669
21.90	0.0047	132.53	0.0760
16.69	0.0027	135.33	0.0866
11.74	0.0019	134.42	0.0874
11.77	0.0018	138.35	0.1017
5.05	0.0017	140.16	0.1119
0.02	0.0023	142.63	0.1275
-0.04	0.0058	145.78	0.1432
-0.02	0.0039	142.52	0.1441
-0.02	0.0027	0.22	0.0421
0.02	0.0024		

SHEAR BAR STRAIN IN THE WALL NEAR BASEMAT

GAGE WR0232 (CH 0860)

AZ = 359.53 DEGREES R = 11 FT 6 IN. V = 1 FT 8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 233 CHANNEL 861

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0065
5.33	0.0042	19.55	0.0161
12.31	0.0087	29.57	0.0263
16.44	0.0121	39.42	0.0359
20.51	0.0176	49.16	0.0451
20.46	0.0189	54.50	0.0502
20.47	0.0196	59.57	0.0543
27.05	0.0302	64.20	0.0582
34.69	0.0398	69.32	0.0620
34.53	0.0405	74.16	0.0648
34.53	0.0402	80.16	0.0665
39.70	0.0445	85.61	0.0697
45.90	0.0500	90.58	0.0735
45.65	0.0492	95.69	0.0777
45.62	0.0491	100.92	0.0835
50.10	0.0526	103.25	0.0865
53.47	0.0550	106.11	0.0903
53.29	0.0547	108.31	0.0927
53.21	0.0547	111.08	0.0965
50.49	0.0520	113.24	0.0994
46.14	0.0481	117.83	0.1069
46.13	0.0476	120.92	0.1130
44.97	0.0539	123.28	0.1209
38.98	0.0484	122.97	0.1237
33.99	0.0433	125.82	0.1309
33.96	0.0422	125.60	0.1355
26.83	0.0352	127.84	0.1396
21.88	0.0300	130.19	0.1476
21.90	0.0297	132.53	0.1570
16.69	0.0245	135.33	0.1698
11.74	0.0197	134.42	0.1725
11.77	0.0183	138.35	0.1874
5.05	0.0124	140.16	0.2001
0.02	0.0071	142.63	0.2186
-0.04	0.0057	145.78	0.2414
-0.02	0.0104	142.52	0.2546
-0.02	0.0109	0.22	0.0965
0.02	0.0101		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0233 (CH 0861)

AZ = 348.5 DEGREES R = 11 FT 1.8 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 234 CHANNEL 862

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0027
5.33	0.0024	19.55	0.0094
12.31	0.0048	29.57	0.0160
16.44	0.0059	39.42	0.0226
20.51	0.0080	49.16	0.0288
20.46	0.0089	54.50	0.0319
20.47	0.0097	59.57	0.0358
27.05	0.0151	64.20	0.0398
34.69	0.0231	69.32	0.0440
34.53	0.0253	74.16	0.0493
34.53	0.0260	80.16	0.0544
39.70	0.0296	85.61	0.0596
45.90	0.0357	90.58	0.0645
45.65	0.0352	95.69	0.0690
45.62	0.0343	100.92	0.0744
50.10	0.0374	103.25	0.0766
53.47	0.0401	106.11	0.0793
53.29	0.0397	108.31	0.0820
53.21	0.0397	111.08	0.0855
50.49	0.0389	113.24	0.0881
46.14	0.0363	117.83	0.0933
46.13	0.0356	120.92	0.0971
44.97	0.0372	123.28	0.1005
38.98	0.0346	122.97	0.1012
33.99	0.0324	125.82	0.1052
33.96	0.0326	125.60	0.1054
26.83	0.0293	127.84	0.1081
21.88	0.0266	130.19	0.1118
21.90	0.0273	132.53	0.1156
16.69	0.0250	135.33	0.1204
11.74	0.0222	134.42	0.1198
11.77	0.0210	138.35	0.1252
5.05	0.0169	140.16	0.1287
0.02	0.0131	142.63	0.1336
-0.04	0.0096	145.78	0.1390
-0.02	0.0107	142.52	0.1383
-0.02	0.0112	0.22	0.0283
0.02	0.0119		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0234 (CH 0862)

AZ = 168.5 DEGREES R = 11 FT 1.8 IN. V = 13 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 235 CHANNEL 863

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0013	9.89	0.0024
5.33	0.0026	19.55	0.0080
12.31	0.0050	29.57	0.0135
16.44	0.0062	39.42	0.0189
20.51	0.0092	49.16	0.0239
20.46	0.0097	54.50	0.0267
20.47	0.0098	59.57	0.0301
27.05	0.0155	64.20	0.0319
34.69	0.0214	69.32	0.0351
34.53	0.0217	74.16	0.0382
34.53	0.0215	80.16	0.0388
39.70	0.0241	85.61	0.0423
45.90	0.0279	90.58	0.0461
45.65	0.0271	95.69	0.0501
45.62	0.0271	100.92	0.0553
50.10	0.0291	103.25	0.0578
53.47	0.0312	106.11	0.0606
53.29	0.0311	108.31	0.0625
53.21	0.0310	111.08	0.0655
50.49	0.0300	113.24	0.0678
46.14	0.0276	117.83	0.0726
46.13	0.0275	120.92	0.0770
44.97	0.0311	123.28	0.0819
38.98	0.0282	122.97	0.0835
33.99	0.0258	125.82	0.0893
33.96	0.0255	125.60	0.0925
26.83	0.0222	127.84	0.0954
21.88	0.0195	130.19	0.1011
21.90	0.0194	132.53	0.1085
16.69	0.0166	135.33	0.1172
11.74	0.0140	134.42	0.1187
11.77	0.0130	138.35	0.1279
5.05	0.0097	140.16	0.1343
0.02	0.0068	142.63	0.1428
-0.04	0.0059	145.78	0.1519
-0.02	0.0090	142.52	0.1563
-0.02	0.0090	0.22	0.0408
0.02	0.0078		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-A
GAGE WR0235 (CH 0863)
AZ = 349 DEGREES R = 11 FT 6.3 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 236 CHANNEL 864

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0027
5.33	0.0018	19.55	0.0101
12.31	0.0036	29.57	0.0181
16.44	0.0050	39.42	0.0257
20.51	0.0072	49.16	0.0328
20.46	0.0073	54.50	0.0369
20.47	0.0082	59.57	0.0413
27.05	0.0127	64.20	0.0460
34.69	0.0217	69.32	0.0511
34.53	0.0234	74.16	0.0575
34.53	0.0238	80.16	0.0665
39.70	0.0283	85.61	0.0743
45.90	0.0365	90.58	0.0823
45.65	0.0367	95.69	0.0905
45.62	0.0370	100.92	0.0989
50.10	0.0412	103.25	0.1034
53.47	0.0454	106.11	0.1071
53.29	0.0461	108.31	0.1103
53.21	0.0467	111.08	0.1154
50.49	0.0457	113.24	0.1191
46.14	0.0438	117.83	0.1258
46.13	0.0438	120.92	0.1312
44.97	0.0457	123.28	0.1368
38.98	0.0423	122.97	0.1378
33.99	0.0391	125.82	0.1434
33.96	0.0393	125.60	0.1446
26.83	0.0352	127.84	0.1482
21.88	0.0316	130.19	0.1537
21.90	0.0319	132.53	0.1593
16.69	0.0283	135.33	0.1655
11.74	0.0244	134.42	0.1660
11.77	0.0228	138.35	0.1718
5.05	0.0181	140.16	0.1757
0.02	0.0140	142.63	0.1801
-0.04	0.0131	145.78	0.1850
-0.02	0.0138	142.52	0.1836
-0.02	0.0140	0.22	0.0385
0.02	0.0137		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0236 (CH 0864)

AZ = 169 DEGREES R = 11 FT 6.3 IN. V = 13 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 237 CHANNEL 865

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0062
5.33	0.0043	19.55	0.0168
12.31	0.0091	29.57	0.0277
16.44	0.0126	39.42	0.0382
20.51	0.0170	49.16	0.0489
20.46	0.0175	54.50	0.0551
20.47	0.0180	59.57	0.0618
27.05	0.0259	64.20	0.0706
34.69	0.0354	69.32	0.0801
34.53	0.0354	74.16	0.0894
34.53	0.0352	80.16	0.1006
39.70	0.0404	85.61	0.1113
45.90	0.0462	90.58	0.1215
45.65	0.0465	95.69	0.1329
45.62	0.0459	100.92	0.1455
50.10	0.0510	103.25	0.1515
53.47	0.0608	106.11	0.1585
53.29	0.0620	108.31	0.1641
53.21	0.0620	111.08	0.1724
50.49	0.0602	113.24	0.1787
46.14	0.0564	117.83	0.1932
46.13	0.0564	120.92	0.2040
44.97	0.0569	123.28	0.2126
38.98	0.0518	122.97	0.2136
33.99	0.0470	125.82	0.2236
33.96	0.0464	125.60	0.2258
26.83	0.0397	127.84	0.2333
21.88	0.0342	130.19	0.2459
21.90	0.0342	132.53	0.2617
16.69	0.0288	135.33	0.2859
11.74	0.0232	134.42	0.2900
11.77	0.0225	138.35	0.3186
5.05	0.0156	140.16	0.3418
0.02	0.0105	142.63	0.3789
-0.04	0.0087	145.78	0.4245
-0.02	0.0094	142.52	0.4414
-0.02	0.0094	0.22	0.2322
0.02	0.0094		

HOOP STRAIN OF CYLINDER WALL BELOW EQ-A

GAGE WR0237 (CH 0865)

AZ = 0.5 DEGREES R = 11 FT 7.3 IN. V = 10 FT 11.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 238 CHANNEL 866

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0074
5.33	0.0034	19.55	0.0216
12.31	0.0070	29.57	0.0362
16.44	0.0102	39.42	0.0503
20.51	0.0158	49.16	0.0635
20.46	0.0176	54.50	0.0709
20.47	0.0178	59.57	0.0791
27.05	0.0309	64.20	0.0866
34.69	0.0471	69.32	0.0947
34.53	0.0486	74.16	0.1030
34.53	0.0490	80.16	0.1116
39.70	0.0575	85.61	0.1225
45.90	0.0729	90.58	0.1313
45.65	0.0742	95.69	0.1409
45.62	0.0744	100.92	0.1507
50.10	0.0820	103.25	0.1555
53.47	0.0880	106.11	0.1606
53.29	0.0887	109.31	0.1652
53.21	0.0887	111.08	0.1713
50.49	0.0869	113.24	0.1759
46.14	0.0824	117.83	0.1870
46.13	0.0824	120.92	0.1945
44.97	0.0813	123.28	0.2013
38.98	0.0755	122.97	0.2026
33.99	0.0698	125.82	0.2100
33.96	0.0694	125.60	0.2114
26.83	0.0611	127.84	0.2163
21.88	0.0544	130.19	0.2238
21.90	0.0541	132.53	0.2325
16.69	0.0477	135.33	0.2423
11.74	0.0408	134.42	0.2443
11.77	0.0406	138.35	0.2553
5.05	0.0314	140.16	0.2634
0.02	0.0248	142.63	0.2741
-0.04	0.0219	145.78	0.2849
-0.02	0.0211	142.52	0.2866
-0.02	0.0214	0.22	0.0936
0.02	0.0215

IMAGE EVALUATION
TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
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SECURITY CLASSIFICATION

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JERRY WARD

SANDIA NATIONAL LABS

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REDUCTION

HOOB STRAIN OF CYLINDER WALL BELOW EQ-B
GAGE WR0238 (CH 0866)
AZ = 179 DEGREES R = 11 FT 7.3 IN. V = 10 FT 11.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 239 CHANNEL 867

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	0.0077
5.33	0.0066	19.55	0.0173
12.31	0.0131	29.57	0.0271
16.44	0.0170	39.42	0.0361
20.51	0.0210	49.16	0.0452
20.46	0.0216	54.50	0.0503
20.47	0.0213	59.57	0.0559
27.05	0.0285	64.20	0.0611
34.69	0.0376	69.32	0.0665
34.53	0.0384	74.16	0.0723
34.53	0.0387	80.16	0.0783
39.70	0.0439	85.61	0.0850
45.90	0.0501	90.58	0.0916
45.65	0.0489	95.69	0.0979
45.62	0.0493	100.92	0.1050
50.10	0.0530	103.25	0.1079
53.47	0.0564	106.11	0.1118
53.29	0.0566	108.31	0.1149
53.21	0.0567	111.08	0.1189
50.49	0.0546	113.24	0.1222
46.14	0.0516	117.83	0.1303
46.13	0.0514	120.92	0.1360
44.97	0.0515	123.28	0.1417
38.98	0.0472	122.97	0.1426
33.99	0.0423	125.82	0.1506
33.96	0.0416	125.60	0.1520
26.83	0.0348	127.84	0.1575
21.88	0.0294	130.19	0.1689
21.90	0.0297	132.53	0.1864
16.69	0.0246	135.33	0.2175
11.74	0.0193	134.42	0.2232
11.77	0.0186	138.35	0.2772
5.05	0.0110	140.16	0.3827
0.02	0.0046	142.63	0.5689
-0.04	0.0034	145.78	0.6305
-0.02	0.0035	142.52	0.6540
-0.02	0.0043	0.22	0.4947
0.02	0.0047		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR SPRING LINE
GAGE WR0239 (CH 0867)
AZ = 93 DEGREES R = 11 FT 2 IN. V = 23 FT 11 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 240 CHANNEL 868

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0034
5.33	0.0013	19.55	0.0108
12.31	0.0035	29.57	0.0181
16.44	0.0052	39.42	0.0254
20.51	0.0074	49.16	0.0319
20.46	0.0084	54.50	0.0359
20.47	0.0085	59.57	0.0401
27.05	0.0145	64.20	0.0449
34.69	0.0235	69.32	0.0503
34.53	0.0251	74.16	0.0557
34.53	0.0260	80.16	0.0623
39.70	0.0306	85.61	0.0689
45.90	0.0376	90.58	0.0753
45.65	0.0376	95.69	0.0820
45.62	0.0380	100.92	0.0891
50.10	0.0418	103.25	0.0935
53.47	0.0460	106.11	0.0970
53.29	0.0465	108.31	0.1003
53.21	0.0464	111.08	0.1050
50.49	0.0459	113.24	0.1085
46.14	0.0439	117.83	0.1165
46.13	0.0438	120.92	0.1226
44.97	0.0446	123.28	0.1282
38.98	0.0417	122.97	0.1292
33.99	0.0390	125.82	0.1353
33.96	0.0390	125.60	0.1367
26.83	0.0348	127.84	0.1410
21.88	0.0317	130.19	0.1490
21.90	0.0316	132.53	0.1602
16.69	0.0282	135.33	0.1773
11.74	0.0245	134.42	0.1808
11.77	0.0242	138.35	0.2009
5.05	0.0193	140.16	0.2135
0.02	0.0151	142.63	0.2294
-0.04	0.0133	145.78	0.2436
-0.02	0.0136	142.52	0.2454
-0.02	0.0141	0.22	0.1032
0.02	0.0145		

MERIDIONAL STRAIN OF DOME NEAR SPRING LINE

GAGE WR0240 (CH 0868)

AZ = 93 DEGREES R = 11 FT 2.2 IN. V = 24 FT 11.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 241 CHANNEL 869

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0079
5.33	0.0025	19.55	0.0232
12.31	0.0073	29.57	0.0404
16.44	0.0112	39.42	0.0576
20.51	0.0217	49.16	0.0750
20.46	0.0232	54.50	0.0850
20.47	0.0243	59.57	0.0963
27.05	0.0368	64.20	0.1075
34.69	0.0494	69.32	0.1186
34.53	0.0499	74.16	0.1291
34.53	0.0496	80.16	0.1441
39.70	0.0564	85.61	0.1566
45.90	0.0665	90.58	0.1683
45.65	0.0691	95.69	0.1817
45.62	0.0699	100.92	0.1960
50.10	0.0777	103.25	0.2027
53.47	0.0838	106.11	0.2109
53.29	0.0840	108.31	0.2174
53.21	0.0848	111.08	0.2267
50.49	0.0821	113.24	0.2341
46.14	0.0773	117.83	0.2513
46.13	0.0761	120.92	0.2643
44.97	0.0725	123.28	0.2766
38.98	0.0647	122.97	0.2783
33.99	0.0572	125.82	0.2906
33.96	0.0568	125.60	0.2934
26.83	0.0458	127.84	0.3007
21.88	0.0382	130.19	0.3151
21.90	0.0367	132.53	0.3308
16.69	0.0287	135.33	0.3504
11.74	0.0206	134.42	0.3543
11.77	0.0209	138.35	0.3756
5.05	0.0118	140.16	0.3929
0.02	0.0062	142.63	0.4171
-0.04	0.0038	145.78	0.4413
-0.02	0.0036	142.52	0.4480
-0.02	0.0031	0.22	0.1872
0.02	0.0031		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
GAGE WR0241 (CH 0869) ON HOOP BAR AT
AZ = 180.5 DEGREES R = 12 FT 0.5 IN. V = 14 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 242 CHANNEL 880

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0038
5.33	0.0005	19.55	0.0133
12.31	0.0027	29.57	0.0234
16.44	0.0035	39.42	0.0328
20.51	0.0058	49.16	0.0416
20.46	0.0061	54.50	0.0467
20.47	0.0065	59.57	0.0525
27.05	0.0119	64.20	0.0584
34.69	0.0238	69.32	0.0651
34.53	0.0239	74.16	0.0739
34.53	0.0243	80.16	0.0857
39.70	0.0306	85.61	0.0928
45.90	0.0432	90.58	0.0986
45.65	0.0476	95.69	0.1046
45.62	0.0485	100.92	0.1106
50.10	0.0543	103.25	0.1136
53.47	0.0594	106.11	0.1168
53.29	0.0602	108.31	0.1193
53.21	0.0613	111.08	0.1228
50.49	0.0601	113.24	0.1252
46.14	0.0578	117.83	0.1305
46.13	0.0572	120.92	0.1343
44.97	0.0541	123.28	0.1373
38.98	0.0497	122.97	0.1377
33.99	0.0463	125.82	0.1416
33.96	0.0454	125.60	0.1416
26.83	0.0395	127.84	0.1444
21.88	0.0346	130.19	0.1480
21.90	0.0336	132.53	0.1521
16.69	0.0284	135.33	0.1557
11.74	0.0232	134.42	0.1555
11.77	0.0249	138.35	0.1593
5.05	0.0198	140.16	0.1612
0.02	0.0161	142.63	0.1635
-0.04	0.0145	145.78	0.1666
-0.02	0.0141	142.52	0.1648
-0.02	0.0132	0.22	0.0192
0.02	0.0129		

LOCAL REINFORCING STRAIN IN THE BOSS OF EQ-B
 GAGE WR0242 (CH 0880) ON HOOP BAR AT
 AZ = 171 DEGREES R = 12 FT 2 IN. V = 12 FT 9.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 243 CHANNEL 881

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	-0.0129
5.33	-0.0024	19.55	-0.0260
12.31	-0.0069	29.57	-0.0367
16.44	-0.0115	39.42	-0.0461
20.51	-0.0182	49.16	-0.0556
20.46	-0.0199	54.50	-0.0603
20.47	-0.0207	59.57	-0.0652
27.05	-0.0291	64.20	-0.0716
34.69	-0.0368	69.32	-0.0771
34.53	-0.0369	74.16	-0.0834
34.53	-0.0371	80.16	-0.0916
39.70	-0.0413	85.61	-0.0988
45.90	-0.0464	90.58	-0.1051
45.65	-0.0464	95.69	-0.1116
45.62	-0.0461	100.92	-0.1158
50.10	-0.0504	103.25	-0.1183
53.47	-0.0538	106.11	-0.1216
53.29	-0.0539	108.31	-0.1239
53.21	-0.0537	111.08	-0.1277
50.49	-0.0519	113.24	-0.1315
46.14	-0.0475	117.83	-0.1376
46.13	-0.0476	120.92	-0.1423
44.37	-0.0466	123.28	-0.1460
38.98	-0.0415	122.97	-0.1465
33.99	-0.0372	125.82	-0.1513
33.96	-0.0372	125.60	-0.1515
26.83	-0.0308	127.84	-0.1546
21.88	-0.0263	130.19	-0.1598
21.90	-0.0268	132.53	-0.1666
16.69	-0.0209	135.33	-0.1748
11.74	-0.0149	134.42	-0.1754
11.77	-0.0141	138.35	-0.1870
5.05	-0.0049	140.16	-0.1946
0.02	0.0024	142.63	-0.2069
-0.04	0.0038	145.78	-0.2228
-0.02	0.0040	142.52	-0.2238
-0.02	0.0031	0.22	-0.0492
0.02	0.0032		

MERIDIONAL STRAIN ON WALL/FLOOR SEAM BELOW PL-A
 GAGE WR0243 (CH 0881) LOCATED OUTSIDE OF LINER
 AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 244 CHANNEL 882

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0052
5.33	-0.0016	19.55	-0.0060
12.31	-0.0031	29.57	-0.0066
16.44	-0.0029	39.42	-0.0079
20.51	-0.0026	49.16	-0.0088
20.46	-0.0025	54.50	-0.0097
20.47	-0.0022	59.57	-0.0102
27.05	-0.0028	64.20	-0.0106
34.69	-0.0043	69.32	-0.0109
34.53	-0.0044	74.16	-0.0117
34.53	-0.0044	80.16	-0.0143
39.70	-0.0057	85.61	-0.0155
45.90	-0.0071	90.58	-0.0167
45.65	-0.0071	95.69	-0.0183
45.62	-0.0073	100.92	-0.0195
50.10	-0.0080	103.25	-0.0199
53.47	-0.0083	106.11	-0.0205
53.29	-0.0084	108.31	-0.0211
53.21	-0.0081	111.08	-0.0219
50.49	-0.0079	113.24	-0.0215
46.14	-0.0075	117.83	-0.0228
46.13	-0.0075	120.92	-0.0230
44.97	-0.0057	123.28	-0.0241
38.98	-0.0054	122.97	-0.0240
33.99	-0.0053	125.82	-0.0249
33.96	-0.0049	125.60	-0.0249
26.83	-0.0046	127.84	-0.0252
21.88	-0.0040	130.19	-0.0265
21.90	-0.0048	132.53	-0.0272
16.69	-0.0051	135.33	-0.0292
11.74	-0.0050	134.42	-0.0293
11.77	-0.0054	138.35	-0.0324
5.05	-0.0052	140.16	-0.0355
0.02	-0.0044	142.63	-0.0406
-0.04	-0.0012	145.78	-0.0462
-0.02	-0.0014	142.52	-0.0479
-0.02	-0.0016	0.22	-0.0193
0.02	-0.0014		

HOOP STRAIN ON WALL/FLOOR SEAM BELOW PL-A
 GAGE WR0244 (CH 0882) LOCATED OUTSIDE OF LINER
 AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 245 CHANNEL 883

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0010
5.33	0.0012	19.55	0.0057
12.31	0.0046	29.57	0.0120
16.44	0.0077	39.42	0.0180
20.51	0.0113	49.16	0.0241
20.46	0.0117	54.50	0.0280
20.47	0.0124	59.57	0.0307
27.05	0.0173	64.20	0.0339
34.69	0.0221	69.32	0.0377
34.53	0.0221	74.16	0.0417
34.53	0.0220	80.16	0.0481
39.70	0.0248	85.61	0.0524
45.90	0.0259	90.58	0.0562
45.65	0.0260	95.69	0.0599
45.62	0.0259	100.92	0.0628
50.10	0.0286	103.25	0.0639
53.47	0.0307	106.11	0.0656
53.29	0.0305	108.31	0.0671
53.21	0.0302	111.08	0.0692
50.49	0.0284	113.24	0.0708
46.14	0.0254	117.83	0.0743
46.13	0.0256	120.92	0.0770
44.97	0.0241	123.28	0.0786
38.98	0.0201	122.97	0.0787
33.99	0.0165	125.82	0.0807
33.96	0.0179	125.60	0.0811
26.83	0.0130	127.84	0.0823
21.88	0.0104	130.19	0.0839
21.90	0.0107	132.53	0.0847
16.69	0.0073	135.33	0.0867
11.74	0.0049	134.42	0.0862
11.77	0.0050	138.35	0.0875
5.05	0.0016	140.16	0.0888
0.02	-0.0012	142.63	0.0884
-0.04	-0.0016	145.78	0.0898
-0.02	-0.0017	142.52	0.0903
-0.02	-0.0013	0.22	0.0341
0.02	-0.0008		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0245 (CH 0883) LOCATED OUTSIDE OF LINER
 AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 246 CHANNEL 884

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	-0.0045
5.33	0.0000	19.55	-0.0043
12.31	0.0018	29.57	-0.0038
16.44	0.0019	39.42	-0.0036
20.51	0.0022	49.16	-0.0036
20.46	0.0019	54.50	-0.0042
20.47	0.0016	59.57	-0.0040
27.05	0.0013	64.20	-0.0047
34.69	-0.0012	69.32	-0.0051
34.53	-0.0016	74.16	-0.0059
34.53	-0.0017	80.16	-0.0078
39.70	-0.0023	85.61	-0.0087
45.90	-0.0029	90.58	-0.0089
45.65	-0.0028	95.69	-0.0092
45.62	-0.0033	100.92	-0.0110
50.10	-0.0030	103.25	-0.0112
53.47	-0.0030	106.11	-0.0123
53.29	-0.0027	108.31	-0.0129
53.21	-0.0029	111.08	-0.0130
50.49	-0.0024	113.24	-0.0133
46.14	-0.0020	117.83	-0.0136
46.13	-0.0019	120.92	-0.0149
44.97	-0.0008	123.28	-0.0153
38.98	-0.0008	122.97	-0.0154
33.99	-0.0009	125.82	-0.0160
33.96	-0.0010	125.60	-0.0164
26.83	-0.0016	127.84	-0.0166
21.88	-0.0017	130.19	-0.0176
21.90	-0.0024	132.53	-0.0179
16.69	-0.0027	135.33	-0.0199
11.74	-0.0030	134.42	-0.0203
11.77	-0.0032	138.35	-0.0226
5.05	-0.0031	140.16	-0.0251
0.02	-0.0024	142.63	-0.0273
-0.04	0.0002	145.78	-0.0307
-0.02	0.0001	142.52	-0.0309
-0.02	0.0004	0.22	-0.0178
0.02	0.0001		

HOOP STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0246 (CH 0884) LOCATED OUTSIDE OF LINER
 AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 247 CHANNEL 885

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0013	9.89	0.0027
5.33	0.0018	19.55	0.0075
12.31	0.0045	29.57	0.0111
16.44	0.0070	39.42	0.0147
20.51	0.0100	49.16	0.0183
20.46	0.0109	54.50	0.0211
20.47	0.0120	59.57	0.0231
27.05	0.0179	64.20	0.0251
34.69	0.0226	69.32	0.0272
34.53	0.0229	74.16	0.0291
34.53	0.0226	80.16	0.0321
39.70	0.0252	85.61	0.0345
45.90	0.0268	90.58	0.0365
45.65	0.0269	95.69	0.0395
45.62	0.0266	100.92	0.0422
50.10	0.0279	103.25	0.0435
53.47	0.0295	106.11	0.0452
53.29	0.0291	108.31	0.0463
53.21	0.0292	111.08	0.0479
50.49	0.0280	113.24	0.0490
46.14	0.0258	117.83	0.0508
46.13	0.0255	120.92	0.0519
44.97	0.0247	123.28	0.0537
38.98	0.0226	122.97	0.0530
33.99	0.0208	125.82	0.0549
33.96	0.0214	125.60	0.0553
26.83	0.0181	127.84	0.0563
21.88	0.0167	130.19	0.0583
21.90	0.0167	132.53	0.0602
16.69	0.0149	135.33	0.0631
11.74	0.0126	134.42	0.0629
11.77	0.0115	138.35	0.0681
5.05	0.0089	140.16	0.0733
0.02	0.0060	142.63	0.0809
-0.04	0.0044	145.78	0.0896
-0.02	0.0041	142.52	0.0904
-0.02	0.0048	0.22	0.0302
0.02	0.0046		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0247 (CH 0885) LOCATED OUTSIDE OF LINER
 AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 248 CHANNEL 886

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0044
5.33	0.0002	19.55	-0.0051
12.31	0.0004	29.57	-0.0044
16.44	0.0003	39.42	-0.0037
20.51	0.0012	49.16	-0.0034
20.46	0.0010	54.50	-0.0030
20.47	0.0019	59.57	-0.0026
27.05	0.0009	64.20	-0.0016
34.69	0.0008	69.32	-0.0006
34.53	0.0004	74.16	-0.0010
34.53	0.0002	80.16	-0.0021
39.70	0.0001	85.61	-0.0017
45.90	-0.0002	90.58	-0.0015
45.65	-0.0009	95.69	-0.0007
45.62	-0.0004	100.92	0.0005
50.10	-0.0006	103.25	0.0012
53.47	0.0003	106.11	0.0016
53.29	0.0006	108.31	0.0019
53.21	0.0008	111.08	0.0033
50.49	0.0010	113.24	0.0040
46.14	0.0011	117.83	0.0058
46.13	0.0013	120.92	0.0068
44.97	0.0028	123.28	0.0083
38.98	0.0024	122.97	0.0088
33.99	0.0020	125.82	0.0098
33.96	0.0023	125.60	0.0097
26.83	0.0011	127.84	0.0109
21.88	0.0011	130.19	0.0126
21.90	0.0000	132.53	0.0153
16.69	-0.0001	135.33	0.0185
11.74	-0.0007	134.42	0.0201
11.77	-0.0016	138.35	0.0263
5.05	-0.0010	140.16	0.0308
0.02	-0.0011	142.63	0.0381
-0.04	0.0020	145.78	0.0447
-0.02	0.0030	142.52	0.0465
-0.02	0.0030	0.22	0.0411
0.02	0.0021		

HOOP STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0248 (CH 0886) LOCATED OUTSIDE OF LINER
 AZ = 88.75 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 249 CHANNEL 887

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	-0.0253	-0.0253
5.33	-0.0060	19.55	-0.0432
12.31	-0.0163	29.57	-0.0523
16.44	-0.0218	39.42	-0.0615
20.51	-0.0287	49.16	-0.0697
20.46	-0.0296	54.50	-0.0749
20.47	-0.0305	59.57	-0.0799
27.05	-0.0389	64.20	-0.0842
34.69	-0.0488	69.32	-0.0889
34.53	-0.0493	74.16	-0.0942
34.53	-0.0501	80.16	-0.1002
39.70	-0.0533	85.61	-0.1058
45.90	-0.0579	90.58	-0.1118
45.65	-0.0572	95.69	-0.1179
45.62	-0.0576	100.92	-0.1232
50.10	-0.0599	103.25	-0.1269
53.47	-0.0625	106.11	-0.1308
53.29	-0.0625	108.31	-0.1341
53.21	-0.0622	111.08	-0.1384
50.49	-0.0588	113.24	-0.1412
46.14	-0.0530	117.83	-0.1480
46.13	-0.0527	120.92	-0.1527
44.97	-0.0527	123.28	-0.1580
38.98	-0.0444	122.97	-0.1585
33.99	-0.0374	125.82	-0.1660
33.96	-0.0374	125.60	-0.1673
26.83	-0.0272	127.84	-0.1717
21.88	-0.0202	130.19	-0.1771
21.90	-0.0203	132.53	-0.1835
16.69	-0.0145	135.33	-0.1902
11.74	-0.0089	134.42	-0.1901
11.77	-0.0089	138.35	-0.1990
5.05	-0.0011	140.16	-0.2046
0.02	0.0062	142.63	-0.2128
-0.04	0.0086	145.78	-0.2204
-0.02	0.0088	142.52	-0.2179
-0.02	0.0090	0.22	-0.0212
0.02	0.0086		

FREE FIELD MERIDIONAL STRAIN ON WALL/FLOOR SEAM
 GAGE WR0249 (CH 0887) LOCATED OUTSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WEIDABLE GAGE 250 CHANNEL 888

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0044
5.33	-0.0010	19.55	-0.0065
12.31	-0.0020	29.57	-0.0065
16.44	-0.0027	39.42	-0.0072
20.51	-0.0033	49.16	-0.0078
20.46	-0.0028	54.50	-0.0085
20.47	-0.0032	59.57	-0.0095
27.05	-0.0037	64.20	-0.0089
34.69	-0.0040	69.32	-0.0082
34.53	-0.0039	74.16	-0.0074
34.53	-0.0043	80.16	-0.0100
39.70	-0.0044	85.61	-0.0108
45.90	-0.0052	90.58	-0.0115
45.65	-0.0051	95.69	-0.0123
45.62	-0.0053	100.92	-0.0127
50.10	-0.0055	103.25	-0.0132
53.47	-0.0060	106.11	-0.0138
53.29	-0.0061	108.31	-0.0145
53.21	-0.0057	111.08	-0.0144
50.49	-0.0051	113.24	-0.0153
46.14	-0.0039	117.83	-0.0163
46.13	-0.0036	120.92	-0.0174
44.97	-0.0027	123.28	-0.0177
38.98	-0.0017	122.97	-0.0174
33.99	-0.0010	125.82	-0.0195
33.96	-0.0007	125.60	-0.0200
26.83	-0.0003	127.84	-0.0206
21.88	0.0004	130.19	-0.0215
21.90	0.0004	132.53	-0.0223
16.69	0.0000	135.33	-0.0240
11.74	-0.0005	134.42	-0.0233
11.77	-0.0011	138.35	-0.0224
5.05	-0.0015	140.16	-0.0239
0.02	-0.0018	142.63	-0.0267
-0.04	0.0018	145.78	-0.0296
-0.02	0.0012	142.52	-0.0298
-0.02	0.0010	0.22	0.0164
0.02	0.0000		

FREE FIELD HOOP STRAIN ON WALL/FLOOR SEAM
 GAGE WR0250 (CH 0888) LOCATED OUTSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 251 CHANNEL 889

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0090
5.33	0.0049	19.55	0.0236
12.31	0.0111	29.57	0.0329
16.44	0.0152	39.42	0.0416
20.51	0.0201	49.16	0.0499
20.46	0.0217	54.50	0.0554
20.47	0.0222	59.57	0.0603
27.05	0.0304	64.20	0.0653
34.69	0.0428	69.32	0.0703
34.53	0.0441	74.16	0.0762
34.53	0.0444	80.16	0.0852
39.70	0.0488	85.61	0.0920
45.90	0.0548	90.58	0.0987
45.65	0.0554	95.69	0.1049
45.62	0.0557	100.92	0.1135
50.10	0.0586	103.25	0.1199
53.47	0.0616	106.11	0.1266
53.29	0.0616	108.31	0.1307
53.21	0.0618	111.08	0.1361
50.49	0.0593	113.24	0.1393
46.14	0.0545	117.83	0.1456
46.13	0.0540	120.92	0.1511
44.97	0.0539	123.28	0.1556
38.98	0.0470	122.97	0.1564
33.99	0.0410	125.82	0.1619
33.96	0.0411	125.60	0.1633
26.83	0.0327	127.84	0.1666
21.88	0.0271	130.19	0.1718
21.90	0.0275	132.53	0.1779
16.69	0.0225	135.33	0.1861
11.74	0.0180	134.42	0.1861
11.77	0.0175	138.35	0.1950
5.05	0.0118	140.16	0.2006
0.02	0.0067	142.63	0.2085
-0.04	0.0039	145.78	0.2185
-0.02	0.0039	142.52	0.2179
-0.02	0.0039	0.22	0.0262
0.02	0.0036		

FREE FIELD MERIDIONAL STRAIN ON CYLINDER WALL
 GAGE WR0251 (CH 0889) LOCATED OUTSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 252 CHANNEL 1020

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0030
5.33	0.0029	19.55	0.0079
12.31	0.0057	29.57	0.0124
16.44	0.0075	39.42	0.0170
20.51	0.0101	49.16	0.0216
20.46	0.0114	54.50	0.0244
20.47	0.0115	59.57	0.0267
27.05	0.0161	64.20	0.0290
34.69	0.0233	69.32	0.0312
34.53	0.0237	74.16	0.0339
34.53	0.0240	80.16	0.0367
39.70	0.0263	85.61	0.0386
45.90	0.0292	90.58	0.0398
45.65	0.0293	95.69	0.0400
45.62	0.0293	100.92	0.0408
50.10	0.0311	103.25	0.0416
53.47	0.0324	106.11	0.0427
53.29	0.0321	108.31	0.0437
53.21	0.0326	111.08	0.0450
50.49	0.0308	113.24	0.0455
46.14	0.0287	117.83	0.0468
46.13	0.0283	120.92	0.0477
44.97	0.0284	123.28	0.0485
38.98	0.0253	122.97	0.0484
33.99	0.0224	125.82	0.0486
33.96	0.0227	125.60	0.0481
26.83	0.0187	127.84	0.0483
21.88	0.0165	130.19	0.0486
21.90	0.0167	132.53	0.0482
16.69	0.0142	135.33	0.0482
11.74	0.0118	134.42	0.0475
11.77	0.0115	138.35	0.0475
5.05	0.0084	140.16	0.0477
0.02	0.0055	142.63	0.0474
-0.04	0.0040	145.78	0.0470
-0.02	0.0043	142.52	0.0455
-0.02	0.0042	0.22	-0.0004
0.02	0.0038		

FREE FIELD HOOP STRAIN ON CYLINDER WALL
 GAGE WR0252 (CH 1020) LOCATED OUTSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 253 CHANNEL 1021

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0054
5.33	0.0002	19.55	-0.0061
12.31	-0.0010	29.57	-0.0067
16.44	-0.0016	39.42	-0.0075
20.51	-0.0028	49.16	-0.0082
20.46	-0.0019	54.50	-0.0082
20.47	-0.0023	59.57	-0.0078
27.05	-0.0030	64.20	-0.0077
34.69	-0.0029	69.32	-0.0083
34.53	-0.0020	74.16	-0.0091
34.53	-0.0021	80.16	-0.0088
39.70	-0.0029	85.61	-0.0089
45.90	-0.0033	90.58	-0.0081
45.65	-0.0028	95.69	-0.0073
45.62	-0.0027	100.92	-0.0052
50.10	-0.0028	103.25	-0.0040
53.47	-0.0030	106.11	-0.0032
53.29	-0.0031	108.31	-0.0027
53.21	-0.0025	111.08	-0.0012
50.49	-0.0020	113.24	-0.0005
46.14	-0.0011	117.83	0.0003
46.13	-0.0011	120.92	0.0023
44.97	0.0008	123.28	0.0029
38.98	0.0009	122.97	0.0034
33.99	0.0007	125.82	0.0019
33.96	0.0010	125.60	0.0022
26.83	0.0009	127.84	0.0011
21.88	0.0012	130.19	0.0007
21.90	0.0011	132.53	0.0004
16.69	0.0014	135.33	0.0013
11.74	0.0012	134.42	0.0015
11.77	0.0008	138.35	0.0034
5.05	0.0012	140.16	0.0050
0.02	0.0018	142.63	0.0071
-0.04	0.0040	145.78	0.0094
-0.02	0.0034	142.52	0.0111
-0.02	0.0030	0.22	0.0234
0.02	0.0020		

FREE FIELD MERIDIONAL STRAIN ON CYLINDER WALL
 GAGE WR0253 (CH 1021) LOCATED OUTSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 254 CHANNEL 1022

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	-0.0027
5.33	0.0012	19.55	-0.0026
12.31	0.0016	29.57	-0.0021
16.44	0.0020	39.42	-0.0014
20.51	0.0024	49.16	-0.0007
20.46	0.0029	54.50	-0.0002
20.47	0.0027	59.57	0.0003
27.05	0.0037	64.20	0.0008
34.69	0.0034	69.32	0.0012
34.53	0.0038	74.16	0.0002
34.53	0.0038	80.16	0.0007
39.70	0.0035	85.61	0.0015
45.90	0.0036	90.58	0.0023
45.65	0.0038	95.69	0.0034
45.62	0.0038	100.92	0.0047
50.10	0.0041	103.25	0.0053
53.47	0.0044	106.11	0.0056
53.29	0.0048	108.31	0.0060
53.21	0.0047	111.08	0.0068
50.49	0.0048	113.24	0.0074
46.14	0.0050	117.83	0.0089
46.13	0.0051	120.92	0.0102
44.97	0.0059	123.28	0.0118
38.98	0.0055	122.97	0.0124
33.99	0.0049	125.82	0.0134
33.96	0.0048	125.60	0.0137
26.83	0.0041	127.84	0.0141
21.88	0.0039	130.19	0.0153
21.90	0.0041	132.53	0.0179
16.69	0.0037	135.33	0.0217
11.74	0.0032	134.42	0.0230
11.77	0.0030	138.35	0.0283
5.05	0.0021	140.16	0.0327
0.02	0.0016	142.63	0.0392
-0.04	0.0036	145.78	0.0449
-0.02	0.0032	142.52	0.0468
-0.02	0.0027	0.22	0.0343
0.02	0.0016		

FREE FIELD HOOP STRAIN ON CYLINDER WALL
 GAGE WR0254 (CH 1022) LOCATED OUTSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 255 CHANNEL 1023

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0142
5.33	-0.0006	19.55	-0.0248
12.31	-0.0030	29.57	-0.0358
16.44	-0.0054	39.42	-0.0464
20.51	-0.0093	49.16	-0.0566
20.46	-0.0103	54.50	-0.0625
20.47	-0.0111	59.57	-0.0678
27.05	-0.0191	64.20	-0.0741
34.69	-0.0313	69.32	-0.0813
34.53	-0.0320	74.16	-0.0953
34.53	-0.0322	80.16	-0.1095
39.70	-0.0378	85.61	-0.1186
45.90	-0.0451	90.58	-0.1291
45.65	-0.0451	95.69	-0.1402
45.62	-0.0454	100.92	-0.1512
50.10	-0.0500	103.25	-0.1245
53.47	-0.0538	106.11	-0.1253
53.29	-0.0539	108.31	-0.1299
53.21	-0.0539	111.08	-0.1365
50.49	-0.0518	113.24	-0.1416
46.14	-0.0473	117.83	-0.1518
46.13	-0.0467	120.92	-0.1591
44.97	-0.0476	123.28	-0.1659
38.98	-0.0407	122.97	-0.1671
33.99	-0.0358	125.82	-0.1745
33.96	-0.0355	125.60	-0.1766
26.83	-0.0280	127.84	-0.1814
21.88	-0.0221	130.19	-0.1889
21.90	-0.0220	132.53	-0.1976
16.69	-0.0161	135.33	-0.2097
11.74	-0.0101	134.42	-0.2119
11.77	-0.0094	138.35	-0.2288
5.05	-0.0019	140.16	-0.2426
0.02	0.0012	142.63	-0.2641
-0.04	0.0030	145.78	-0.2947
-0.02	0.0004	142.52	-0.3017
-0.02	-0.0003	0.22	-0.0975
0.02	0.0015		

MERIDIONAL STRAIN ON WALL/FLOOR SEAM BELOW INLET PENETRATION
 GAGE WR0255 (CH 1023) LOCATED OUTSIDE OF LINER
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 256 CHANNEL 1024

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	-0.0032
5.33	0.0012	19.55	-0.0037
12.31	0.0010	29.57	-0.0043
16.44	0.0013	39.42	-0.0046
20.51	0.0008	49.16	-0.0051
20.46	0.0011	54.50	-0.0052
20.47	0.0009	59.57	-0.0055
27.05	-0.0001	64.20	-0.0062
34.69	-0.0006	69.32	-0.0067
34.53	-0.0007	74.16	-0.0169
34.53	-0.0006	80.16	-0.0220
39.70	-0.0012	85.61	-0.0182
45.90	-0.0018	90.58	-0.0211
45.65	-0.0020	95.69	-0.0269
45.62	-0.0018	100.92	-0.0312
50.10	-0.0023	103.25	-0.0236
53.47	-0.0023	106.11	-0.0241
53.29	-0.0021	108.31	-0.0250
53.21	-0.0022	111.08	-0.0253
50.49	-0.0020	113.24	-0.0260
46.14	-0.0016	117.83	-0.0263
46.13	-0.0012	120.92	-0.0273
44.97	-0.0002	123.28	-0.0279
38.98	-0.0006	122.97	-0.0276
33.99	-0.0007	125.82	-0.0282
33.96	-0.0008	125.60	-0.0280
26.83	-0.0012	127.84	-0.0291
21.88	-0.0013	130.19	-0.0313
21.90	-0.0012	132.53	-0.0326
16.69	-0.0017	135.33	-0.0347
11.74	-0.0017	134.42	-0.0350
5.05	-0.0015	138.35	-0.0375
0.02	-0.0019	140.16	-0.0391
-0.04	-0.0021	142.63	-0.0418
-0.02	0.0000	145.78	-0.0450
-0.02	0.0003	142.52	-0.0453
-0.02	-0.0005	0.22	-0.0026
0.02	-0.0021		

HOOP STRAIN ON WALL/FLOOR SEAM BELOW INLET PENETRATION
 GAGE WR0256 (CH 1024) LOCATED OUTSIDE OF LINER
 AZ = 329.57 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 257 CHANNEL 1025

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0013
5.33	0.0028	19.55	0.0075
12.31	0.0052	29.57	0.0148
16.44	0.0071	39.42	0.0221
20.51	0.0096	49.16	0.0288
20.46	0.0109	54.50	0.0325
20.47	0.0115	59.57	0.0353
27.05	0.0176	64.20	0.0393
34.69	0.0266	69.32	0.0427
34.53	0.0278	74.16	0.0477
34.53	0.0280	80.16	0.0555
39.70	0.0321	85.61	0.0603
45.90	0.0388	90.58	0.0658
45.65	0.0390	95.69	0.0713
45.62	0.0392	100.92	0.0773
50.10	0.0418	103.25	0.0673
53.47	0.0438	106.11	0.0685
53.29	0.0441	108.31	0.0710
53.21	0.0440	111.08	0.0756
50.49	0.0427	113.24	0.0787
46.14	0.0402	117.83	0.0856
46.13	0.0398	120.92	0.0910
44.97	0.0414	123.28	0.0960
38.98	0.0379	122.97	0.0972
33.99	0.0347	125.82	0.1018
33.96	0.0340	125.60	0.1041
26.83	0.0288	127.84	0.1070
21.88	0.0249	130.19	0.1118
21.90	0.0248	132.53	0.1166
16.69	0.0208	135.33	0.1230
11.74	0.0171	134.42	0.1249
11.77	0.0168	138.35	0.1314
5.05	0.0126	140.16	0.1372
0.02	0.0097	142.63	0.1444
-0.04	0.0078	145.78	0.1542
-0.02	0.0087	142.52	0.1569
-0.02	0.0090	0.22	0.0338
0.02	0.0087		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0257 (CH 1025) LOCATED OUTSIDE OF LINER
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 258 CHANNEL 1026

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	-0.0046
5.33	-0.0003	19.55	-0.0060
12.31	-0.0010	29.57	-0.0068
16.44	-0.0014	39.42	-0.0074
20.51	-0.0021	49.16	-0.0081
20.46	-0.0021	54.50	-0.0083
20.47	-0.0021	59.57	-0.0083
27.05	-0.0035	64.20	-0.0087
34.69	-0.0058	69.32	-0.0085
34.53	-0.0052	74.16	-0.0087
34.53	-0.0053	80.16	-0.0101
39.70	-0.0061	85.61	-0.0110
45.90	-0.0063	90.58	-0.0116
45.65	-0.0063	95.69	-0.0127
45.62	-0.0066	100.92	-0.0134
50.10	-0.0064	103.25	-0.0146
53.47	-0.0065	106.11	-0.0146
53.29	-0.0059	108.31	-0.0148
53.21	-0.0057	111.08	-0.0149
50.49	-0.0053	113.24	-0.0150
46.14	-0.0048	117.83	-0.0146
46.13	-0.0048	120.92	-0.0146
44.97	-0.0037	123.28	-0.0142
38.98	-0.0041	122.97	-0.0135
33.99	-0.0035	125.82	-0.0138
33.96	-0.0037	125.60	-0.0135
26.83	-0.0034	127.84	-0.0138
21.88	-0.0030	130.19	-0.0149
21.90	-0.0031	132.53	-0.0155
16.69	-0.0028	135.33	-0.0165
11.74	-0.0025	134.42	-0.0167
11.77	-0.0024	138.35	-0.0174
5.05	-0.0021	140.16	-0.0186
0.02	-0.0020	142.63	-0.0191
-0.04	0.0008	145.78	-0.0215
-0.02	-0.0001	142.52	-0.0215
-0.02	-0.0004	0.22	0.0054
0.02	-0.0027		

HOOP STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0258 (CH 1026) LOCATED OUTSIDE OF LINER
 AZ = 329.57 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 259 CHANNEL 1027

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0009
5.33	0.0023	19.55	0.0043
12.31	0.0054	29.57	0.0081
16.44	0.0072	39.42	0.0122
20.51	0.0104	49.16	0.0164
20.46	0.0110	54.50	0.0187
20.47	0.0116	59.57	0.0207
27.05	0.0171	64.20	0.0222
34.69	0.0219	69.32	0.0235
34.53	0.0222	74.16	0.0236
34.53	0.0223	80.16	0.0256
39.70	0.0245	85.61	0.0272
45.90	0.0262	90.58	0.0287
45.65	0.0264	95.69	0.0304
45.62	0.0263	100.92	0.0324
50.10	0.0275	103.25	0.0315
53.47	0.0281	106.11	0.0328
53.29	0.0281	108.31	0.0336
53.21	0.0280	111.08	0.0347
50.49	0.0268	113.24	0.0354
46.14	0.0247	117.83	0.0369
46.13	0.0243	120.92	0.0379
44.97	0.0258	123.28	0.0385
38.98	0.0227	122.97	0.0385
32.99	0.0204	125.82	0.0394
33.96	0.0204	125.60	0.0392
26.83	0.0171	127.84	0.0395
21.88	0.0148	130.19	0.0394
21.90	0.0149	132.53	0.0394
16.69	0.0125	135.33	0.0397
11.74	0.0105	134.42	0.0398
11.77	0.0103	138.35	0.0404
5.05	0.0077	140.16	0.0408
0.02	0.0056	142.63	0.0404
-0.04	0.0057	145.78	0.0405
-0.02	0.0062	142.52	0.0401
-0.02	0.0065	0.22	0.0054
0.02	0.0056		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0259 (CH 1027) LOCATED OUTSIDE OF LINER
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 260 CHANNEL 1028

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0032
5.33	0.0000	19.55	-0.0027
12.31	-0.0001	29.57	-0.0026
16.44	-0.0001	39.42	-0.0024
20.51	0.0003	49.16	-0.0022
20.46	0.0003	54.50	-0.0018
20.47	0.0007	59.57	-0.0016
27.05	0.0010	64.20	-0.0012
34.69	0.0017	69.32	-0.0001
34.53	0.0018	74.16	0.0007
34.53	0.0019	80.16	0.0013
39.70	0.0023	85.61	0.0022
45.90	0.0025	90.58	0.0029
45.65	0.0032	95.69	0.0038
45.62	0.0033	100.92	0.0047
50.10	0.0036	103.25	0.0054
53.47	0.0039	106.11	0.0059
53.29	0.0042	108.31	0.0061
53.21	0.0046	111.08	0.0070
50.49	0.0050	113.24	0.0076
46.14	0.0049	117.83	0.0086
46.13	0.0050	120.92	0.0096
44.97	0.0058	123.28	0.0108
38.98	0.0048	122.97	0.0118
33.99	0.0047	125.82	0.0125
33.96	0.0047	125.60	0.0134
26.83	0.0043	127.84	0.0134
21.88	0.0039	130.19	0.0136
21.90	0.0038	132.53	0.0147
16.69	0.0034	135.33	0.0167
11.74	0.0031	134.42	0.0174
11.77	0.0029	138.35	0.0206
5.05	0.0023	140.16	0.0236
0.02	0.0013	142.63	0.0279
-0.04	0.0046	145.78	0.0308
-0.02	0.0038	142.52	0.0322
-0.02	0.0031	0.22	0.0199
0.02	0.0011		

HOOP STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0260 (CH 1028) LOCATED OUTSIDE OF LINER
 AZ = 329.57 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 261 CHANNEL 1029

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0085
5.33	0.0022	19.55	0.0225
12.31	0.0063	29.57	0.0376
16.44	0.0095	39.42	0.0522
20.51	0.0152	49.16	0.0656
20.46	0.0161	54.50	0.0740
20.47	0.0165	59.57	0.0822
27.05	0.0306	64.20	0.0901
34.69	0.0480	69.32	0.0992
34.53	0.0488	74.16	0.1084
34.53	0.0493	80.16	0.1239
39.70	0.0584	85.61	0.1347
45.90	0.0711	90.58	0.1449
45.65	0.0739	95.69	0.1570
45.62	0.0745	100.92	0.1703
50.10	0.0823	103.25	0.1769
53.47	0.0886	106.11	0.1840
53.29	0.0893	108.31	0.1901
53.21	0.0898	111.08	0.1987
50.49	0.0878	113.24	0.2055
46.14	0.0829	117.83	0.2223
46.13	0.0828	120.92	0.2345
44.97	0.0792	123.28	0.2435
38.98	0.0722	122.97	0.2450
33.99	0.0654	125.82	0.2569
33.96	0.0651	125.60	0.2593
26.33	0.0557	127.84	0.2663
21.88	0.0485	130.19	0.2778
21.90	0.0478	132.53	0.2925
16.69	0.0409	135.33	0.3271
11.74	0.0339	134.42	0.3392
11.77	0.0339	138.35	0.4322
5.05	0.0260	140.16	0.5767
0.02	0.0195	142.63	0.8105
-0.04	0.0188	145.78	1.0021
-0.02	0.0179	142.52	1.0584
-0.02	0.0172	0.22	0.7349
0.02	0.0164		

FREE FIELD HOOP STRAIN OF CYLINDER WALL
GAGE WR0261 (CH 1029)
AZ = 46 DEGREES R = 11 FT 7.3 IN. V = 19 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 262 CHANNEL 1040

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0058
5.33	0.0015	19.55	0.0159
12.31	0.0050	29.57	0.0262
16.44	0.0071	39.42	0.0359
20.51	0.0112	49.16	0.0459
20.46	0.0111	54.50	0.0510
20.47	0.0111	59.57	0.0555
27.05	0.0207	64.20	0.0610
34.69	0.0342	69.32	0.0666
34.53	0.0356	74.16	0.0738
34.53	0.0356	80.16	0.0837
39.70	0.0427	85.61	0.0907
45.90	0.0525	90.58	0.0969
45.65	0.0545	95.69	0.1038
45.62	0.0549	100.92	0.1118
50.10	0.0599	103.25	0.1159
53.47	0.0539	106.11	0.1206
53.29	0.0641	108.31	0.1241
53.21	0.0643	111.08	0.1290
50.49	0.0630	113.24	0.1332
46.14	0.0590	117.83	0.1427
46.13	0.0590	120.92	0.1500
44.97	0.0548	123.28	0.1564
38.98	0.0508	122.97	0.1570
33.99	0.0460	125.82	0.1633
33.96	0.0449	125.60	0.1648
26.83	0.0376	127.84	0.1689
21.88	0.0333	130.19	0.1761
21.90	0.0333	132.53	0.1843
16.69	0.0290	135.33	0.1967
11.74	0.0240	134.42	0.1990
11.77	0.0235	138.35	0.2134
5.05	0.0180	140.16	0.2249
0.02	0.0132	142.63	0.2435
-0.04	0.0114	145.78	0.2667
-0.02	0.0111	142.52	0.2641
-0.02	0.0105	0.22	0.0746
0.02	0.0103		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL

GAGE WR0262 (CH 1040)

AZ = 45.5 DEGREES R = 11 FT 6.5 IN. V = 7 FT 4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 263 CHANNEL 1041

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0029
5.33	0.0005	19.55	0.0101
12.31	0.0027	29.57	0.0174
16.44	0.0040	39.42	0.0242
20.51	0.0069	49.16	0.0310
20.46	0.0069	54.50	0.0349
20.47	0.0070	59.57	0.0390
27.05	0.0138	64.20	0.0431
34.69	0.0230	69.32	0.0474
34.53	0.0236	74.16	0.0523
34.53	0.0236	80.16	0.0611
39.70	0.0278	85.61	0.0679
45.90	0.0348	90.58	0.0741
45.65	0.0364	95.69	0.0815
45.62	0.0370	100.92	0.0894
50.10	0.0410	103.25	0.0931
53.47	0.0446	106.11	0.0971
53.29	0.0449	108.31	0.1005
53.21	0.0451	111.08	0.1051
50.49	0.0448	113.24	0.1087
46.14	0.0421	117.83	0.1168
46.13	0.0423	120.92	0.1229
44.97	0.0390	123.28	0.1278
38.98	0.0369	122.97	0.1281
33.99	0.0332	125.82	0.1341
33.96	0.0333	125.60	0.1346
26.83	0.0289	127.84	0.1391
21.88	0.0254	130.19	0.1458
21.90	0.0258	132.53	0.1556
16.69	0.0230	135.33	0.1647
11.74	0.0194	134.42	0.1657
11.77	0.0190	138.35	0.1748
5.05	0.0152	140.16	0.1792
0.02	0.0113	142.63	0.1859
-0.04	0.0114	145.78	0.1924
-0.02	0.0111	142.52	0.2037
-0.02	0.0104	0.22	0.0668
0.02	0.0104		

FREE FIELD MERIDICNAL STRAIN OF CYLINDER WALL

GAGE WR0263 (CH 1041)

AZ = 45.5 DEGREES R = 11 FT 6.5 IN. V = 13 FT 5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 264 CHANNEL 1042

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0015
5.33	-0.0004	19.55	0.0076
12.31	0.0010	29.57	0.0137
16.44	0.0014	39.42	0.0192
20.51	0.0028	49.16	0.0249
20.46	0.0024	54.50	0.0285
20.47	0.0029	59.57	0.0319
27.05	0.0081	64.20	0.0361
34.69	0.0176	69.32	0.0402
34.53	0.0185	74.16	0.0453
34.53	0.0189	80.16	0.0536
39.70	0.0231	85.61	0.0601
45.90	0.0307	90.58	0.0657
45.65	0.0331	95.69	0.0717
45.62	0.0339	100.92	0.0792
50.10	0.0379	103.25	0.0832
53.47	0.0421	106.11	0.0872
53.29	0.0431	108.31	0.0903
53.21	0.0433	111.08	0.0951
50.49	0.0434	113.24	0.0991
46.14	0.0416	117.83	0.1073
46.13	0.0420	120.92	0.1131
44.97	0.0403	123.28	0.1180
38.98	0.0378	122.97	0.1185
33.99	0.0358	125.82	0.1235
33.96	0.0352	125.60	0.1241
26.83	0.0319	127.84	0.1271
21.88	0.0296	130.19	0.1333
21.90	0.0292	132.53	0.1434
16.69	0.0275	135.33	0.1611
11.74	0.0238	134.42	0.1652
11.77	0.0235	138.35	0.1939
5.05	0.0210	140.16	0.2200
0.02	0.0179	142.63	0.2617
-0.04	0.0179	145.78	0.2621
-0.02	0.0177	142.52	0.2523
-0.02	0.0165	0.22	0.0859
0.02	0.0164		

FREE FIELD MERIDIONAL STRAIN OF CYLINDER WALL GAGE WR0264 (CH 1042)

AZ = 47 DEGREES R = 11 FT 6.5 IN. V = 19 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 265 CHANNEL 1043

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0110
5.33	0.0029	19.55	0.0269
12.31	0.0070	29.57	0.0428
16.44	0.0102	39.42	0.0576
20.51	0.0163	49.16	0.0717
20.46	0.0189	54.50	0.0796
20.47	0.0195	59.57	0.0880
27.05	0.0347	64.20	0.0970
34.69	0.0530	69.32	0.1059
34.53	0.0545	74.16	0.1156
34.53	0.0550	80.16	0.1272
39.70	0.0635	85.61	0.1385
45.90	0.0761	90.58	0.1492
45.65	0.0766	95.69	0.1612
45.62	0.0768	100.92	0.1733
50.10	0.0842	103.25	0.1787
53.47	0.0910	106.11	0.1852
53.29	0.0916	108.31	0.1904
53.21	0.0908	111.08	0.1983
50.49	0.0894	113.24	0.2043
46.14	0.0846	117.83	0.2168
46.13	0.0846	120.92	0.2224
44.97	0.0845	123.28	0.2262
38.98	0.0770	122.97	0.2267
33.99	0.0706	125.82	0.2301
33.96	0.0700	125.60	0.2308
26.83	0.0603	127.84	0.2331
21.88	0.0531	130.19	0.2335
21.90	0.0523	132.53	0.2364
16.69	0.0448	135.33	0.2421
11.74	0.0374	134.42	0.2430
11.77	0.0362	138.35	0.2492
5.05	0.0268	140.16	0.2441
0.02	0.0192	142.63	0.4045
-0.04	0.0171	145.78	0.5924
-0.02	0.0177	142.52	0.6151
-0.02	0.0176	0.22	0.3236
0.02	0.0178		

HOOP STRAIN OF CYLINDER WALL BELOW EQ-A
 GAGE WR0265 (CH 1043)
 AZ = 0.0 DEGREES R = 11 FT 1.3 IN. V = 6 FT 9.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 266 CHANNEL 1044

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	0.0081
5.33	0.0031	19.55	0.0213
12.31	0.0072	29.57	0.0345
16.44	0.0099	39.42	0.0475
20.51	0.0142	49.16	0.0598
20.46	0.0152	54.50	0.0670
20.47	0.0155	59.57	0.0747
27.05	0.0252	64.20	0.0840
34.69	0.0391	69.32	0.0945
34.53	0.0397	74.16	0.1065
34.53	0.0408	80.16	0.1216
39.70	0.0480	85.61	0.1368
45.90	0.0589	90.58	0.1532
45.65	0.0602	95.69	0.1746
45.62	0.0602	100.92	0.2011
50.10	0.0669	103.25	0.2165
53.47	0.0729	106.11	0.2325
53.29	0.0740	108.31	0.2460
53.21	0.0745	111.08	0.2678
50.49	0.0729	113.24	0.2857
46.14	0.0685	117.83	0.3294
46.13	0.0685	120.92	0.3651
44.97	0.0686	123.28	0.3992
38.98	0.0624	122.97	0.4059
33.99	0.0572	125.82	0.4354
33.96	0.0565	125.60	0.4457
26.83	0.0483	127.84	0.4546
21.88	0.0422	130.19	0.4743
21.90	0.0417	132.53	0.5163
16.69	0.0357	135.33	0.6333
11.74	0.0290	134.42	0.6927
11.77	0.0284	138.35	0.7457
5.05	0.0201	140.16	0.7553
0.02	0.0143	142.63	0.7973
-0.04	0.0115	145.78	0.8658
-0.02	0.0112	142.52	0.8984
-0.02	0.0117	0.22	0.5172
0.02	0.0119		

HOOP STRAIN OF CYLINDER WALL BELOW EQ-A

GAGE WR0266 (CH 1044)

AZ = 0.0 DEGREES R = 11 FT 1.3 IN. V = 9 FT 9.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 267 CHANNEL 1045

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0128
5.33	0.0048	19.55	0.0298
12.31	0.0116	29.57	0.0467
16.44	0.0160	39.42	0.0633
20.51	0.0205	49.16	0.0780
20.46	0.0222	54.50	0.0866
20.47	0.0224	59.57	0.0965
27.05	0.0364	64.20	0.1060
34.69	0.0530	69.32	0.1169
34.53	0.0548	74.16	0.1271
34.53	0.0555	80.16	0.1417
39.70	0.0643	85.61	0.1549
45.90	0.0764	90.58	0.1681
45.65	0.0761	95.69	0.1819
45.62	0.0761	100.92	0.1964
50.10	0.0834	103.25	0.2024
53.47	0.0899	106.11	0.2097
53.29	0.0904	108.31	0.2162
53.21	0.0905	111.08	0.2252
50.49	0.0877	113.24	0.2345
46.14	0.0814	117.83	0.2619
46.13	0.0818	120.92	0.2833
44.97	0.0820	123.28	0.3076
38.98	0.0731	122.97	0.3139
33.99	0.0665	125.82	0.3511
33.96	0.0660	125.60	0.3604
26.83	0.0555	127.84	0.3809
21.88	0.0478	130.19	0.4362
21.90	0.0474	132.53	0.5611
16.69	0.0396	135.33	0.5984
11.74	0.0316	134.42	0.6027
11.77	0.0302	138.35	0.6308
5.05	0.0191	140.16	0.6478
0.02	0.0110	142.63	0.7057
-0.04	0.0084	145.78	0.7476
-0.02	0.0085	142.52	0.7545
-0.02	0.0082	0.22	0.4598
0.02	0.0089		

HOOP STRAIN OF CYLINDER WALL BELOW EQ-B
 GAGE WR0267 (CH 1045)
 AZ = 180 DEGREES R = 11 FT 1.3 IN. V = 6 FT 9 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 268 CHANNEL 1046

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0085
5.33	0.0025	19.55	0.0236
12.31	0.0058	29.57	0.0384
16.44	0.0083	39.42	0.0526
20.51	0.0139	49.16	0.0667
20.46	0.0150	54.50	0.0745
20.47	0.0153	59.57	0.0828
27.05	0.0280	64.20	0.0911
34.69	0.0468	69.32	0.1000
34.53	0.0478	74.16	0.1088
34.53	0.0482	80.16	0.1227
39.70	0.0569	85.61	0.1331
45.90	0.0704	90.58	0.1421
45.65	0.0726	95.69	0.1521
45.62	0.0733	100.92	0.1629
50.10	0.0812	103.25	0.1681
53.47	0.0873	106.11	0.1749
53.29	0.0891	108.31	0.1802
53.21	0.0896	111.08	0.1873
50.49	0.0873	113.24	0.1934
46.14	0.0821	117.83	0.2091
46.13	0.0820	120.92	0.2211
44.97	0.0775	123.28	0.2314
38.98	0.0703	122.97	0.2327
33.99	0.0637	125.82	0.2454
33.96	0.0632	125.60	0.2476
26.83	0.0539	127.84	0.2551
21.88	0.0472	130.19	0.2747
21.90	0.0470	132.53	0.2989
16.69	0.0398	135.33	0.3460
11.74	0.0328	134.42	0.3813
11.77	0.0334	138.35	0.4443
5.05	0.0249	140.16	0.4661
0.02	0.0193	142.63	0.7401
-0.04	0.0180	145.78	0.8490
-0.02	0.0165	142.52	0.9032
-0.02	0.0162	0.22	0.5886
0.02	0.0155		

HOOP STRAIN OF CYLINDER WALL ABOVE EQ-A

GAGE WR0268 (CH 1046)

AZ = 0.0 DEGREES R = 11 FT 7.3 IN. V = 19 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 269 CHANNEL 1047

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0111
5.33	0.0029	19.55	0.0276
12.31	0.0069	29.57	0.0445
16.44	0.0097	39.42	0.0611
20.51	0.0163	49.16	0.0763
20.46	0.0176	54.50	0.0843
20.47	0.0178	59.57	0.0931
27.05	0.0342	64.20	0.1018
34.69	0.0556	69.32	0.1112
34.53	0.0545	74.16	0.1199
34.53	0.0541	80.16	0.1337
39.70	0.0631	85.61	0.1445
45.90	0.0768	90.58	0.1553
45.65	0.0797	95.69	0.1669
45.62	0.0807	100.92	0.1798
50.10	0.0889	103.25	0.1859
53.47	0.0959	106.11	0.1936
53.29	0.0967	108.31	0.2001
53.21	0.0968	111.08	0.2085
50.49	0.0941	113.24	0.2153
46.14	0.0881	117.83	0.2334
46.13	0.0877	120.92	0.2476
44.97	0.0831	123.28	0.2593
38.98	0.0742	122.97	0.2604
33.99	0.0662	125.82	0.2721
33.96	0.0665	125.60	0.2725
26.83	0.0556	127.84	0.2755
21.88	0.0471	130.19	0.2839
21.90	0.0457	132.53	0.3184
16.69	0.0374	135.33	0.5714
11.74	0.0293	134.42	0.6451
11.77	0.0310	138.35	0.9350
5.05	0.0221	140.16	1.0072
0.02	0.0161	142.63	1.0752
-0.04	0.0153	145.78	1.1134
-0.02	0.0145	142.52	1.1298
-0.02	0.0141	0.22	0.8063
0.02	0.0132		

HOOP STRAIN OF CYLINDER WALL ABOVE EQ-B
 GAGE WR0269 (CH 1047)
 AZ = 180 DEGREES R = 11 FT 7.3 IN. V = 19 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 270 CHANNEL 1048

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	0.0106
5.33	0.0029	19.55	0.0265
12.31	0.0065	29.57	0.0417
16.44	0.0091	39.42	0.0563
20.51	0.0157	49.16	0.0703
20.46	0.0175	54.50	0.0786
20.47	0.0183	59.57	0.0874
27.05	0.0321	64.20	0.0962
34.69	0.0520	69.32	0.1065
34.53	0.0547	74.16	0.1174
34.53	0.0546	80.16	0.1327
39.70	0.0641	85.61	0.1457
45.90	0.0792	90.58	0.1574
45.65	0.0817	95.69	0.1718
45.62	0.0822	100.92	0.1880
50.10	0.0903	103.25	0.1957
53.47	0.0979	106.11	0.2047
53.29	0.0992	108.31	0.2118
53.21	0.0993	111.08	0.2218
50.49	0.0973	113.24	0.2289
46.14	0.0928	117.83	0.2459
46.13	0.0921	120.92	0.2544
44.97	0.0885	123.28	0.2619
38.98	0.0828	122.97	0.2618
33.99	0.0761	125.82	0.2727
33.96	0.0758	125.60	0.2771
26.83	0.0671	127.84	0.2872
21.88	0.0602	130.19	0.3234
21.90	0.0599	132.53	0.5454
16.69	0.0527	135.33	0.8297
11.74	0.0455	134.42	0.8544
11.77	0.0456	138.35	0.9807
5.05	0.0367	140.16	1.0627
0.02	0.0303	142.63	1.1725
-0.04	0.0260	145.78	1.2912
-0.02	0.0257	142.52	1.3195
-0.02	0.0258	0.22	0.9668
0.02	0.0260		

FREE FIELD HOOP STRAIN OF CYLINDER WALL

GAGE WR0270 (CH 1048)

AZ = 242 DEGREES R = 11 FT 7.3 IN. V = 19 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 271 CHANNEL 1049

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0040
5.33	0.0030	19.55	0.0107
12.31	0.0060	29.57	0.0179
16.44	0.0079	39.42	0.0250
20.51	0.0111	49.16	0.0319
20.46	0.0117	54.50	0.0362
20.47	0.0117	59.57	0.0408
27.05	0.0165	64.20	0.0463
34.69	0.0248	69.32	0.0517
34.53	0.0255	74.16	0.0581
34.53	0.0254	80.16	0.0660
39.70	0.0297	85.61	0.0746
45.90	0.0352	90.58	0.0837
45.65	0.0352	95.69	0.0917
45.62	0.0358	100.92	0.0987
50.10	0.0392	103.25	0.1022
53.47	0.0427	106.11	0.1059
53.29	0.0429	108.31	0.1092
53.21	0.0430	111.08	0.1137
50.49	0.0420	113.24	0.1171
46.14	0.0395	117.83	0.1250
46.13	0.0394	120.92	0.1307
44.97	0.0411	123.28	0.1372
38.98	0.0383	122.97	0.1387
33.99	0.0352	125.82	0.1457
33.96	0.0351	125.60	0.1485
26.83	0.0308	127.84	0.1538
21.88	0.0273	130.19	0.1641
21.90	0.0267	132.53	0.1803
16.69	0.0234	135.33	0.2044
11.74	0.0200	134.42	0.2129
11.77	0.0193	138.35	0.2475
5.05	0.0146	140.16	0.2795
0.02	0.0108	142.63	0.3240
-0.04	0.0092	145.78	0.3710
-0.02	0.0112	142.52	0.3975
-0.02	0.0109	0.22	0.2476
0.02	0.0102		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A
GAGE WR0271 (CH 1049)
AZ = 352 DEGREES R = 11 FT 8.3 IN. V = 11 FT 8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 272 CHANNEL 1060

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0007	9.89	0.0040
5.33	0.0025	19.55	0.0116
12.31	0.0052	29.57	0.0194
16.44	0.0068	39.42	0.0259
20.51	0.0104	49.16	0.0326
20.46	0.0110	54.50	0.0365
20.47	0.0116	59.57	0.0400
27.05	0.0170	64.20	0.0441
34.69	0.0279	69.32	0.0488
34.53	0.0290	74.16	0.0544
34.53	0.0290	80.16	0.0605
39.70	0.0348	85.61	0.0678
45.90	0.0407	90.58	0.0751
45.65	0.0409	95.69	0.0844
45.62	0.0410	100.92	0.0980
50.10	0.0445	103.25	0.1039
53.47	0.0481	106.11	0.1102
53.29	0.0481	108.31	0.1153
53.21	0.0479	111.08	0.1228
50.49	0.0469	113.24	0.1286
46.14	0.0444	117.83	0.1411
46.13	0.0442	120.92	0.1510
44.97	0.0460	123.28	0.1608
38.98	0.0424	122.97	0.1636
33.99	0.0388	125.82	0.1739
33.96	0.0392	125.60	0.1784
26.83	0.0345	127.84	0.1845
21.88	0.0309	130.19	0.1963
21.90	0.0308	132.53	0.2092
16.69	0.0269	135.33	0.2325
11.74	0.0229	134.42	0.2400
11.77	0.0223	138.35	0.2672
5.05	0.0171	140.16	0.2945
0.02	0.0131	142.63	0.3362
-0.04	0.0114	145.78	0.3831
-0.02	0.0125	142.52	0.4032
-0.02	0.0129	0.22	0.2437
0.02	0.0123		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-A

GAGE WR0272 (CH 1060)

AZ = 7 DEGREES R = 11 FT 8.3 IN. V = 14 FT 8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 273 CHANNEL 1061

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0046
5.33	0.0024	19.55	0.0140
12.31	0.0057	29.57	0.0241
16.44	0.0079	39.42	0.0339
20.51	0.0115	49.16	0.0436
20.46	0.0124	54.50	0.0490
20.47	0.0133	59.57	0.0547
27.05	0.0222	64.20	0.0608
34.69	0.0353	69.32	0.0680
34.53	0.0372	74.16	0.0759
34.53	0.0369	80.16	0.0869
39.70	0.0427	85.61	0.0960
45.90	0.0507	90.58	0.1041
45.65	0.0515	95.69	0.1138
45.62	0.0522	100.92	0.1255
50.10	0.0569	103.25	0.1316
53.47	0.0617	106.11	0.1380
53.29	0.0623	108.31	0.1444
53.21	0.0623	111.08	0.1550
50.49	0.0611	113.24	0.1636
46.14	0.0580	117.83	0.1845
46.13	0.0581	120.92	0.1995
44.97	0.0575	123.28	0.2109
38.98	0.0530	122.97	0.2130
33.99	0.0491	125.82	0.2238
33.96	0.0488	125.60	0.2262
26.83	0.0425	127.84	0.2328
21.88	0.0379	130.19	0.2459
21.90	0.0377	132.53	0.2569
16.69	0.0327	135.33	0.2692
11.74	0.0278	134.42	0.2708
11.77	0.0266	138.35	0.2865
5.05	0.0204	140.16	0.2975
0.02	0.0153	142.63	0.3132
-0.04	0.0139	145.78	0.3296
-0.02	0.0135	142.52	0.3333
-0.02	0.0137	0.22	0.1244
0.02	0.0137		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE WR0273 (CH 1061)

AZ = 171.5 DEGREES R = 11 FT 8.3 IN. V = 11 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 274 CHANNEL 1062

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0051
5.33	0.0015	19.55	0.0156
12.31	0.0033	29.57	0.0257
16.44	0.0047	39.42	0.0355
20.51	0.0073	49.16	0.0452
20.46	0.0084	54.50	0.0509
20.47	0.0092	59.57	0.0568
27.05	0.0218	64.20	0.0625
34.69	0.0383	69.32	0.0688
34.53	0.0402	74.16	0.0755
34.53	0.0405	80.16	0.0854
39.70	0.0468	85.61	0.0936
45.90	0.0573	90.58	0.1019
45.65	0.0587	95.69	0.1116
45.62	0.0590	100.92	0.1218
50.10	0.0652	103.25	0.1270
53.47	0.0708	106.11	0.1323
53.29	0.0717	108.31	0.1364
53.21	0.0723	111.08	0.1423
50.49	0.0711	113.24	0.1467
46.14	0.0681	117.83	0.1567
46.13	0.0680	120.92	0.1642
44.97	0.0684	123.28	0.1722
38.98	0.0638	122.97	0.1745
33.99	0.0600	125.82	0.1818
33.96	0.0594	125.60	0.1842
26.83	0.0532	127.84	0.1882
21.88	0.0481	130.19	0.1960
21.90	0.0481	132.53	0.2036
16.69	0.0430	135.33	0.2140
11.74	0.0379	134.42	0.2165
11.77	0.0363	138.35	0.2267
5.05	0.0301	140.16	0.2347
0.02	0.0248	142.63	0.2457
-0.04	0.0227	145.78	0.2592
-0.02	0.0220	142.52	0.2626
-0.02	0.0221	0.22	0.0963
0.02	0.0223		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR EQ-B
GAGE WR0274 (CH 1062)
AZ = 187.5 DEGREES R = 11 FT 8.3 IN. V = 14 FT 7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 275 CHANNEL 1063

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0012	9.89	0.0002
5.33	0.0018	19.55	0.0037
12.31	0.0034	29.57	0.0070
16.44	0.0042	39.42	0.0099
20.51	0.0062	49.16	0.0136
20.46	0.0068	54.50	0.0147
20.47	0.0077	59.57	0.0169
27.05	0.0118	64.20	0.0190
34.69	0.0161	69.32	0.0232
34.53	0.0164	74.16	0.0273
34.53	0.0163	80.16	0.0305
39.70	0.0184	85.61	0.0357
45.90	0.0213	90.58	0.0402
45.65	0.0207	95.69	0.0455
45.62	0.0205	100.92	0.0514
50.10	0.0226	103.25	0.0537
53.47	0.0237	106.11	0.0572
53.29	0.0235	108.31	0.0599
53.21	0.0235	111.08	0.0637
50.49	0.0226	113.24	0.0668
46.14	0.0215	117.83	0.0748
46.13	0.0212	120.92	0.0789
44.97	0.0218	123.28	0.0826
38.98	0.0201	122.97	0.0828
33.99	0.0187	125.82	0.0874
33.96	0.0187	125.60	0.0873
26.83	0.0169	127.84	0.0909
21.88	0.0151	130.19	0.0954
21.90	0.0152	132.53	0.1002
16.69	0.0131	135.33	0.1079
11.74	0.0108	134.42	0.1072
11.77	0.0100	138.35	0.1190
5.05	0.0074	140.16	0.1259
0.02	0.0053	142.63	0.1362
-0.04	0.0056	145.78	0.1456
-0.02	0.0058	142.52	0.1425
-0.02	0.0061	0.22	0.0428
0.02	0.0066		

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-A
 GAGE WR0275 (CH 1063)
 AZ = 85 DEGREES R = 11 FT 9.3 IN. V = 14 FT 0.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 276 CHANNEL 1064

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain
-0.05	-0.0008
5.33	0.0011
12.31	0.0034
16.44	0.0050
20.51	0.0081
20.46	0.0084
20.47	0.0087
27.05	0.0137
34.69	0.0193
34.53	0.0199
34.53	0.0200
39.70	0.0230
45.90	0.0265
45.65	0.0269
45.62	0.0270
50.10	0.0294
53.47	0.0314
53.29	0.0316
53.21	0.0317
50.49	0.0307
46.14	0.0293
46.13	0.0290
44.97	0.0292
38.98	0.0271
33.99	0.0250
33.96	0.0250
26.83	0.0220
21.88	0.0196
21.90	0.0201
16.69	0.0174
11.74	0.0150
11.77	0.0144
5.05	0.0113
0.02	0.0085
-0.04	0.0088
-0.02	0.0083
-0.02	0.0076
0.02	0.0080

Pressure (psig)	% Strain
9.89	0.0005
19.55	0.0054
29.57	0.0104
39.42	0.0150
49.16	0.0197
54.50	0.0223
59.57	0.0247
64.20	0.0281
69.32	0.0319
74.16	0.0355
80.16	0.0393
85.61	0.0415
90.58	0.0442
95.69	0.0459
100.92	0.0487
103.25	0.0493
106.11	0.0505
108.31	0.0514
111.08	0.0524
113.24	0.0531
117.83	0.0551
120.92	0.0562
123.28	0.0585
122.97	0.0593
125.82	0.0623
125.60	0.0625
127.84	0.0641
130.19	0.0673
132.53	0.0723
135.33	0.0799
134.42	0.0817
138.35	0.0926
140.16	0.1024
142.63	0.1164
145.78	0.1344
142.52	0.1373
0.22	0.0506

DIAGONAL REBAR STRAIN OF CYLINDER WALL NEAR PL-B

GAGE WR0276 (CH 1064)

AZ = 265.5 DEGREES R = 11 FT 9.3 IN. V = 14 FT 3.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 277 CHANNEL 1065

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0043
5.33	0.0012	19.55	0.0133
12.31	0.0035	29.57	0.0234
16.44	0.0049	39.42	0.0327
20.51	0.0074	49.16	0.0421
20.46	0.0074	54.50	0.0476
20.47	0.0071	59.57	0.0535
27.05	0.0156	64.20	0.0596
34.69	0.0272	69.32	0.0670
34.53	0.0282	74.16	0.0754
34.53	0.0286	80.16	0.0920
39.70	0.0348	85.61	0.1037
45.90	0.0453	90.58	0.1149
45.65	0.0477	95.69	0.1271
45.62	0.0490	100.92	0.1404
50.10	0.0549	103.25	0.1473
53.47	0.0603	106.11	0.1553
53.29	0.0614	108.31	0.1612
53.21	0.0623	111.08	0.1704
50.49	0.0610	113.24	0.1774
46.14	0.0586	117.83	0.1959
46.13	0.0582	120.92	0.2130
44.97	0.0551	123.28	0.2292
38.98	0.0511	122.97	0.2324
33.99	0.0468	125.82	0.2556
33.96	0.0458	125.60	0.2616
26.83	0.0394	127.84	0.2790
21.88	0.0351	130.19	0.3600
21.90	0.0351	132.53	0.5015
16.69	0.0309	135.33	0.5681
11.74	0.0264	134.42	0.5916
11.77	0.0265	138.35	0.6699
5.05	0.0221	140.16	0.7205
0.02	0.0179	142.63	0.8152
-0.04	0.0172	145.78	0.8855
-0.02	0.0164	142.52	0.9510
-0.02	0.0155	0.22	0.6889
0.02	0.0150		

FREE FIELD DIAGONAL REBAR STRAIN OF CYLINDER WALL

GAGE WR0277 (CH 1065)

AZ = 45.5 DEGREES R = 11 FT 9.3 IN. V = 10 FT 8.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 278 CHANNEL 2184

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0211
5.33	-0.0005	19.55	0.0196
12.31	-0.0012	29.57	0.0178
16.44	-0.0016	39.42	0.0163
20.51	-0.0020	49.16	0.0148
20.46	-0.0021	54.50	0.0141
20.47	-0.0021	59.57	0.0136
27.05	-0.0035	64.20	0.0128
34.69	-0.0053	69.32	0.0118
34.53	-0.0056	74.16	0.0101
34.53	-0.0060	80.16	0.0057
39.70	-0.0071	85.61	0.0040
45.90	-0.0086	90.58	0.0023
45.65	-0.0085	95.69	0.0001
45.62	-0.0087	100.92	-0.0019
50.10	-0.0094	103.25	-0.0027
53.47	-0.0102	106.11	-0.0038
53.29	-0.0100	108.31	-0.0045
53.21	-0.0099	111.08	-0.0056
50.49	-0.0093	113.24	-0.0061
46.14	-0.0087	117.83	-0.0077
46.13	-0.0084	120.92	-0.0091
44.97	-0.0063	123.28	-0.0391
38.98	-0.0058	122.97	-0.0347
33.99	-0.0056	125.82	-0.0221
33.96	-0.0057	125.60	-0.0112
26.83	-0.0051	127.54	-0.0119
21.88	-0.0047	130.19	-0.0138
21.90	-0.0052	132.53	-0.0157
16.69	-0.0051	135.33	-0.0192
11.74	-0.0048	134.42	-0.0196
11.77	-0.0050	138.35	-0.0242
5.05	-0.0046	140.16	-0.0281
0.02	-0.0036	142.63	-0.0332
-0.04	-0.0007	145.78	-0.0394
-0.02	-0.0005	142.52	-0.0390
-0.02	-0.0004	0.22	0.0008
0.02	-0.0009		

HOOP STRAIN ON WALL/FLOOR SEAM BELOW PL-A
 CAGE WRC278 (CH 2184) LOCATED INSIDE OF LINER
 AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 279 CHANNEL 2185

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0047
5.33	0.0010	19.55	-0.0056
12.31	0.0017	23.57	-0.0051
16.44	0.0017	39.42	-0.0043
20.51	0.0011	49.16	-0.0033
20.46	0.0007	54.50	-0.0024
20.47	0.0001	59.57	-0.0020
27.05	-0.0011	64.20	-0.0015
34.69	0.0002	69.32	-0.0012
34.53	-0.0001	74.16	-0.0020
34.53	-0.0001	80.16	-0.0030
39.70	0.0003	85.61	-0.0024
45.90	0.0006	90.58	-0.0016
45.65	0.0002	95.69	-0.0009
45.62	0.0001	100.92	-0.0018
50.10	0.0007	103.25	-0.0019
53.47	0.0012	106.11	-0.0017
53.29	0.0014	108.31	-0.0017
53.21	0.0017	111.08	-0.0012
50.49	0.0018	113.24	-0.0009
46.14	0.0014	117.83	-0.0007
46.13	0.0017	120.92	0.0005
44.97	0.0035	123.28	0.0006
38.98	0.0024	122.97	0.0009
33.99	0.0016	125.82	0.0008
33.96	0.0014	125.60	0.0009
26.83	0.0004	127.84	0.0006
21.88	-0.0005	130.19	0.0003
21.90	-0.0013	132.53	-0.0007
16.69	-0.0020	135.33	-0.0011
11.74	-0.0026	134.42	-0.0012
11.77	-0.0029	138.35	-0.0020
5.05	-0.0027	140.16	-0.0038
0.07	-0.0021	142.63	-0.0065
-0.04	0.0017	145.78	-0.0107
-0.02	0.0018	142.52	-0.0112
-0.02	0.0019	0.22	-0.0018
0.02	0.0014		

HOOP STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0279 (CH 2185) LOCATED INSIDE OF LINER
 AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 280 CHANNEL 2186

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0037
5.33	0.0005	19.55	-0.0034
12.31	0.0014	29.57	-0.0027
16.44	0.0017	39.42	-0.0017
20.51	0.0023	49.16	-0.0006
20.46	0.0020	54.50	0.0002
20.47	0.0021	59.57	0.0009
27.05	0.0015	64.20	0.0022
34.69	0.0019	69.32	0.0031
34.53	0.0015	74.16	0.0036
34.53	0.0013	80.16	0.0037
39.70	0.0013	85.61	0.0047
45.90	0.0013	90.58	0.0060
45.65	0.0010	95.69	0.0071
45.62	0.0012	100.92	0.0088
50.10	0.0019	103.25	0.0098
53.47	0.0027	106.11	0.0109
53.29	0.0031	108.31	0.0115
53.21	0.0032	111.08	0.0131
50.49	0.0035	113.24	0.0141
46.14	0.0032	117.83	0.0165
46.13	0.0036	120.92	0.0180
44.97	0.0057	123.28	0.0196
38.98	0.0046	122.97	0.0197
33.99	0.0038	125.82	0.0211
33.96	0.0037	125.60	0.0216
26.83	0.0023	127.84	0.0223
21.88	0.0015	130.19	0.0241
21.90	0.0004	132.53	0.0266
16.69	-0.0009	135.33	0.0296
11.74	-0.0016	134.42	0.0301
11.77	-0.0023	138.35	0.0354
5.05	-0.0027	140.16	0.0388
0.02	-0.0030	142.63	0.0448
-0.04	0.0011	145.78	0.0505
-0.02	0.0013	142.52	0.0504
-0.02	0.0013	0.22	-0.0028
0.02	0.0006		

HOOP STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0280 (CH 2186) LOCATED INSIDE OF LINER
 AZ = 89.53 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 281 CHANNEL 2187

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0120
5.33	0.0052	19.55	0.0300
12.31	0.0146	29.57	0.0439
16.44	0.0221	39.42	0.0557
20.51	0.0312	49.16	0.0674
20.46	0.0334	54.50	0.0744
20.47	0.0350	59.57	0.0806
27.05	0.0454	64.20	0.0894
34.69	0.0561	69.32	0.0963
34.53	0.0565	74.16	0.1061
34.53	0.0566	80.16	0.1126
39.70	0.0612	85.61	0.1216
45.90	0.0672	90.58	0.1302
45.65	0.0668	95.69	0.1387
45.62	0.0664	100.92	0.1445
50.10	0.0721	103.25	0.1477
53.47	0.0761	106.11	0.1517
53.29	0.0749	108.31	0.1553
53.21	0.0747	111.08	0.1599
50.49	0.0722	113.24	0.1641
46.14	0.0670	117.83	0.1730
46.13	0.0655	120.92	0.1791
44.97	0.0681	123.28	0.1852
38.98	0.0619	122.97	0.1863
33.99	0.0567	125.82	0.1928
33.96	0.0573	125.60	0.1947
26.83	0.0487	127.84	0.2000
21.88	0.0433	130.19	0.2071
21.90	0.0442	132.53	0.2160
16.69	0.0368	135.33	0.2287
11.74	0.0280	134.42	0.2313
11.77	0.0265	138.35	0.2474
5.05	0.0140	140.16	0.2578
0.02	0.0033	142.63	0.2727
-0.04	-0.0027	145.78	0.2919
-0.02	0.0000	142.52	0.2763
-0.02	0.0013	0.22	0.0506
0.02	0.0046		

MERIDIONAL STRAIN ON WALL/FLOOR SEAM BELOW PL-A
 GAGE WR0281 (CH 2187) LOCATED INSIDE OF LINER
 AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 282 CHANNEL 2188

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	0.0057
5.33	0.0027	19.55	0.0062
12.31	0.0088	29.57	0.0063
16.44	0.0114	39.42	0.0071
20.51	0.0124	49.16	0.0084
20.46	0.0127	54.50	0.0094
20.47	0.0130	59.57	0.0099
27.05	0.0147	64.20	0.0102
34.69	0.0170	69.32	0.0111
34.53	0.0178	74.16	0.0112
34.53	0.0180	80.16	0.0116
39.70	0.0191	85.61	0.0122
45.90	0.0212	90.58	0.0145
45.65	0.0211	95.69	0.0193
45.62	0.0208	100.92	0.0260
50.10	0.0208	103.25	0.0283
53.47	0.0208	106.11	0.0303
53.29	0.0204	108.31	0.0316
53.21	0.0203	111.08	0.0330
50.49	0.0195	113.24	0.0335
46.14	0.0188	117.83	0.0350
46.13	0.0186	120.92	0.0365
44.97	0.0181	123.28	0.0376
38.98	0.0177	122.97	0.0372
33.99	0.0173	125.82	0.0389
33.96	0.0176	125.60	0.0390
26.83	0.0170	127.84	0.0403
21.88	0.0166	130.19	0.0424
21.90	0.0166	132.53	0.0461
16.69	0.0164	135.33	0.0509
11.74	0.0162	134.42	0.0510
11.77	0.0160	138.35	0.0597
5.05	0.0154	140.16	0.0654
0.02	0.0134	142.63	0.0747
-0.04	0.0078	145.78	0.0846
-0.02	0.0077	142.52	0.0761
-0.02	0.0079	0.22	-0.0172
0.02	0.0082		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0282 (CH 2188) LOCATED INSIDE OF LINER
 AZ = 89 DEGREES R = 11 FT 0.0 IN. 2 FT 2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 283 CHANNEL 2189

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0031
5.33	0.0027	19.55	0.0081
12.31	0.0061	29.57	0.0118
16.44	0.0087	39.42	0.0153
20.51	0.0114	49.16	0.0187
20.46	0.0124	54.50	0.0207
20.47	0.0132	59.57	0.0221
27.05	0.0183	64.20	0.0229
34.69	0.0233	69.32	0.0238
34.53	0.0239	74.16	0.0256
34.53	0.0239	80.16	0.0271
39.70	0.0261	85.61	0.0279
45.90	0.0277	90.58	0.0284
45.65	0.0274	95.69	0.0294
45.62	0.0275	100.92	0.0297
50.10	0.0287	103.25	0.0299
53.47	0.0292	106.11	0.0301
53.29	0.0288	108.31	0.0305
53.21	0.0286	111.08	0.0305
50.49	0.0273	113.24	0.0305
46.14	0.0254	117.83	0.0308
46.13	0.0250	120.92	0.0307
44.97	0.0239	123.28	0.0306
38.98	0.0220	122.97	0.0304
33.99	0.0205	125.82	0.0306
33.96	0.0212	125.60	0.0300
26.83	0.0187	127.84	0.0303
21.88	0.0170	130.19	0.0302
21.90	0.0177	132.53	0.0300
16.69	0.0156	135.33	0.0296
11.74	0.0134	134.42	0.0282
11.77	0.0131	138.35	0.0257
5.05	0.0097	140.16	0.0224
0.02	0.0071	142.63	0.0156
-0.04	0.0041	145.78	0.0103
-0.02	0.0042	142.52	0.0048
-0.02	0.0043	0.22	-0.0320
0.02	0.0046		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW PL-A
 GAGE WR0283 (CH 2189) LOCATED INSIDE OF LINER
 AZ = 88.75 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 284 CHANNEL 2200

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	-0.0041
5.33	0.0015	19.55	-0.0069
12.31	0.0007	29.57	-0.0079
16.44	-0.0001	39.42	-0.0088
20.51	-0.0010	49.16	-0.0096
20.46	-0.0012	54.50	-0.0103
20.47	-0.0015	59.57	-0.0108
27.05	-0.0027	64.20	-0.0112
34.69	-0.0036	69.32	-0.0120
34.53	-0.0042	74.16	-0.0134
34.53	-0.0042	80.16	-0.0152
39.70	-0.0043	85.61	-0.0165
45.90	-0.0068	90.58	-0.0179
45.65	-0.0065	95.69	-0.0195
45.62	-0.0065	100.92	-0.0209
50.10	-0.0068	103.25	-0.0219
53.47	-0.0071	106.11	-0.0229
53.29	-0.0067	108.31	-0.0235
53.21	-0.0069	111.08	-0.0245
50.49	-0.0062	113.24	-0.0258
46.14	-0.0050	117.83	-0.0279
46.13	-0.0049	120.92	-0.0296
44.97	-0.0038	123.28	-0.0312
38.98	-0.0027	122.97	-0.0313
33.99	-0.0020	125.82	-0.0344
33.96	-0.0021	125.60	-0.0349
26.83	-0.0008	127.84	-0.0365
21.88	0.0001	130.19	-0.0388
21.90	-0.0003	132.53	-0.0410
16.69	-0.0003	135.33	-0.0436
11.74	0.0003	134.42	-0.0441
11.77	-0.0002	138.35	-0.0470
5.05	0.0000	140.16	-0.0493
0.02	-0.0009	142.63	-0.0532
-0.04	0.0016	145.78	-0.0580
-0.02	0.0013	142.52	-0.0558
-0.02	0.0008	0.22	-0.0010
0.02	0.0001		

FREE FIELD HOOP STRAIN ON WALL/FLOOR SEAM
 GAGE WR0284 (CH 2200) LOCATED INSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 285 CHANNEL 2201

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0053
5.33	-0.0002	19.55	-0.0069
12.31	-0.0014	29.57	-0.0083
16.44	-0.0020	39.42	-0.0097
20.51	-0.0026	49.16	-0.0113
20.46	-0.0023	54.50	-0.0116
20.47	-0.0022	59.57	-0.0118
27.05	-0.0034	64.20	-0.0117
34.69	-0.0046	69.32	-0.0119
34.53	-0.0043	74.16	-0.0116
34.53	-0.0043	80.16	-0.0096
39.70	-0.0052	85.61	-0.0079
45.90	-0.0058	90.58	-0.0070
45.65	-0.0057	95.69	-0.0066
45.62	-0.0056	100.92	-0.0068
50.10	-0.0065	103.25	-0.0071
53.47	-0.0064	106.11	-0.0075
53.29	-0.0062	108.31	-0.0076
53.21	-0.0060	111.08	-0.0076
50.49	-0.0055	113.24	-0.0076
46.14	-0.0049	117.83	-0.0082
46.13	-0.0047	120.92	-0.0083
44.97	-0.0029	123.28	-0.0084
38.98	-0.0028	122.97	-0.0082
33.99	-0.0024	125.82	-0.0097
33.96	-0.0023	125.60	-0.0098
26.83	-0.0017	127.84	-0.0104
21.88	-0.0010	130.19	-0.0113
21.90	-0.0008	132.53	-0.0115
16.69	-0.0003	135.33	-0.0107
11.74	0.0005	134.42	-0.0103
11.77	0.0003	138.35	-0.0091
5.05	0.0014	140.16	-0.0078
0.02	0.0019	142.63	-0.0053
-0.04	0.0040	145.78	-0.0028
-0.02	0.0038	142.52	-0.0017
-0.02	0.0034	5.22	0.0086
0.02	0.0028

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
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23 WEST MAIN STREET
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REDUCTION

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 286 CHANNEL 2202

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0004	9.89	-0.0035
5.33	0.0008	19.55	-0.0039
12.31	0.0007	29.57	-0.0046
16.44	0.0005	39.42	-0.0049
20.51	0.0006	49.16	-0.0051
20.46	0.0010	54.50	-0.0051
20.47	0.0010	59.57	-0.0047
27.05	0.0013	64.20	-0.0046
34.69	0.0005	69.32	-0.0051
34.53	0.0008	74.16	-0.0056
34.53	0.0009	80.16	-0.0065
39.70	0.0003	85.61	-0.0068
45.90	0.0003	90.58	-0.0063
45.65	0.0004	95.69	-0.0057
45.62	0.0004	100.92	-0.0051
50.10	0.0003	103.25	-0.0048
53.47	0.0002	106.11	-0.0051
53.29	0.0006	108.31	-0.0048
53.21	0.0007	111.08	-0.0045
50.49	0.0012	113.24	-0.0042
46.14	0.0015	117.83	-0.0032
46.13	0.0015	120.92	-0.0024
44.97	0.0029	123.28	-0.0014
38.98	0.0026	122.97	-0.0006
33.99	0.0027	125.82	-0.0005
33.96	0.0023	125.60	-0.0004
26.83	0.0027	127.84	-0.0004
21.88	0.0027	130.19	0.0006
21.90	0.0025	132.53	0.0033
16.69	0.0026	135.33	0.0068
11.74	0.0026	134.42	0.0077
11.77	0.0020	138.35	0.0130
5.05	0.0023	140.16	0.0176
0.02	0.0018	142.63	0.0241
-0.04	0.0041	145.78	0.0301
-0.02	0.0036	142.52	0.0319
-0.02	0.0030	0.22	0.0270
0.02	0.0021		

FREE FIELD HOOP STRAIN ON CYLINDER WALL
 GAGE WR0286 (CH 2202) LOCATED INSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.6 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 287 CHANNEL 2203

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0304
5.33	0.0097	19.55	0.0554
12.31	0.0226	29.57	0.0691
16.44	0.0306	39.42	0.0814
20.51	0.0403	49.16	0.0932
20.46	0.0416	54.50	0.1012
20.47	0.0425	59.57	0.1078
27.05	0.0564	64.20	0.1148
34.69	0.0688	69.32	0.1230
34.53	0.0693	74.16	0.1321
34.53	0.0695	80.16	0.1446
39.70	0.0748	85.61	0.1570
45.90	0.0804	90.58	0.1691
45.65	0.0805	95.69	0.1805
45.62	0.0805	100.92	0.1869
50.10	0.0844	103.25	0.1901
53.47	0.0879	106.11	0.1952
53.29	0.0880	108.31	0.1994
53.21	0.0880	111.08	0.2054
50.49	0.0830	113.24	0.2115
46.14	0.0751	117.83	0.2240
46.13	0.0746	120.92	0.2334
44.97	0.0736	123.28	0.2438
38.98	0.0621	122.97	0.2453
33.99	0.0526	125.82	0.2637
33.96	0.0530	125.60	0.2671
26.83	0.0390	127.84	0.2766
21.88	0.0301	130.19	0.2907
21.90	0.0305	132.53	0.3046
16.69	0.0228	135.33	0.3207
11.74	0.0152	134.42	0.3218
11.77	0.0149	138.35	0.3413
5.05	0.0031	140.16	0.3541
0.02	-0.0097	142.63	0.3721
-0.04	-0.0160	145.78	0.3926
-0.02	-0.0151	142.52	0.3758
-0.02	-0.0155	0.22	0.0809
0.02	-0.0152		

FREE FIELD MERIDIONAL STRAIN ON WALL/FLOOR SEAM
GAGE WR0287 (CH 2203) LOCATED INSIDE OF LINER
AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

C-1382

STRUCTURAL INTEGRITY TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	0.0039
5.33	0.0045	19.55	0.0055
12.31	0.0070	29.57	0.0078
16.44	0.0083	39.42	0.0106
20.51	0.0095	49.16	0.0141
20.46	0.0097	54.50	0.0158
20.47	0.0097	59.57	0.0171
27.05	0.0113	64.20	0.0173
34.69	0.0148	69.32	0.0177
34.53	0.0152	74.16	0.0171
34.53	0.0153	80.16	0.0111
39.70	0.0167	85.61	0.0062
45.90	0.0182	90.58	-0.0009
45.65	0.0177	95.69	-0.0162
45.62	0.0176	100.92	-0.0424
50.10	0.0186	103.25	-0.0547
53.47	0.0192	106.11	-0.0627
53.29	0.0189	108.31	-0.0667
53.21	0.0187	111.08	-0.0709
50.49	0.0175	113.24	-0.0740
46.14	0.0158	117.83	-0.0804
46.13	0.0155	120.92	-0.0847
44.97	0.0148	123.28	-0.0889
38.98	0.0124	122.97	-0.0897
33.99	0.0101	125.82	-0.0954
33.96	0.0102	125.60	-0.0967
26.83	0.0074	127.84	-0.0991
21.88	0.0056	130.19	-0.1023
21.90	0.0060	132.53	-0.1045
16.69	0.0043	135.33	-0.1081
11.74	0.0030	134.42	-0.1091
11.77	0.0031	138.35	-0.1140
5.05	0.0016	140.16	-0.1176
0.02	-0.0012	142.63	-0.1250
-0.04	-0.0031	145.78	-0.1381
-0.02	-0.0025	142.52	-0.1408
-0.02	-0.0025	0.22	-0.0460
0.02	-0.0026		

FREE FIELD MERIDIONAL STRAIN ON CYLINDER WALL
 GAGE WR0288 (CH 2204) LOCATED INSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 3 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 289 CHANNEL 2205

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0048
5.33	0.0031	19.55	0.0112
12.31	0.0060	29.57	0.0159
16.44	0.0080	39.42	0.0211
20.51	0.0107	49.16	0.0263
20.46	0.0114	54.50	0.0295
20.47	0.0118	59.57	0.0322
27.05	0.0175	64.20	0.0344
34.69	0.0252	69.32	0.0362
34.53	0.0255	74.16	0.0387
34.53	0.0258	80.16	0.0412
39.70	0.0287	85.61	0.0428
45.90	0.0319	90.58	0.0434
45.65	0.0322	95.69	0.0420
45.62	0.0322	100.92	0.0408
50.10	0.0343	103.25	0.0405
53.47	0.0357	106.11	0.0408
53.29	0.0357	108.31	0.0413
53.21	0.0356	111.08	0.0414
50.49	0.0339	113.24	0.0413
46.14	0.0313	117.83	0.0412
46.13	0.0309	120.92	0.0408
44.97	0.0305	123.28	0.0404
38.98	0.0268	122.97	0.0401
33.99	0.0238	125.82	0.0392
33.96	0.0239	125.60	0.0383
26.83	0.0196	127.84	0.0387
21.88	0.0167	130.19	0.0385
21.90	0.0167	132.53	0.0383
16.69	0.0141	135.33	0.0381
11.74	0.0116	134.42	0.0373
11.77	0.0116	138.35	0.0366
5.05	0.0086	140.16	0.0362
0.02	0.0050	142.63	0.0347
-0.04	0.0024	145.78	0.0337
-0.02	0.0032	142.52	0.0283
-0.02	0.0032	0.22	-0.0183
0.02	0.0031		

FREE FIELD MERIDIONAL STRAIN ON CYLINDER WALL
 GAGE WR0289 (CH 2205) LOCATED INSIDE OF LINER
 AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.7 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 290 CHANNEL 2206

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0045
5.33	0.0003	19.55	-0.0059
12.31	0.0004	29.57	-0.0068
16.44	0.0003	39.42	-0.0079
20.51	0.0000	49.16	-0.0088
20.46	-0.0001	54.50	-0.0092
20.47	-0.0002	59.57	-0.0098
27.05	-0.0017	64.20	-0.0110
34.69	-0.0032	69.32	-0.0117
34.53	-0.0034	74.16	-0.0170
34.53	-0.0033	80.16	-0.0201
39.70	-0.0038	85.61	-0.0214
45.90	-0.0050	90.58	-0.0237
45.65	-0.0050	95.69	-0.0257
45.62	-0.0050	100.92	-0.0252
50.10	-0.0055	103.25	-0.0252
53.47	-0.0058	106.11	-0.0260
53.29	-0.0057	108.31	-0.0272
53.21	-0.0055	111.08	-0.0281
50.49	-0.0051	113.24	-0.0291
46.14	-0.0048	117.83	-0.0304
46.13	-0.0045	120.92	-0.0320
44.97	-0.0040	123.28	-0.0330
38.98	-0.0040	122.97	-0.0328
33.99	-0.0037	125.82	-0.0343
33.96	-0.0037	125.60	-0.0345
26.83	-0.0034	127.84	-0.0361
21.88	-0.0033	130.19	-0.0387
21.90	-0.0033	132.53	-0.0411
16.69	-0.0032	135.33	-0.0440
11.74	-0.0027	134.42	-0.0446
11.77	-0.0027	138.35	-0.0485
5.05	-0.0022	140.16	-0.0512
0.02	-0.0018	142.63	-0.0553
-0.04	0.0011	145.78	-0.0613
-0.02	0.0005	142.52	-0.0590
-0.02	-0.0001	0.22	-0.0168
0.02	-0.0013		

HOOP STRAIN ON WALL/FLOOR SEAM BELOW INLET PENETRATION
 GAGE WR0290 (CH 2206) LOCATED INSIDE OF LINER
 AZ = 329.57 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 291 CHANNEL 2207

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psi)	% Strain	Pressure (psi)	% Strain
-0.05	0.0003	9.89	-0.0040
5.33	0.0001	19.55	-0.0051
12.31	-0.0008	29.57	-0.0058
16.44	-0.0013	39.42	-0.0059
20.51	-0.0018	49.16	-0.0061
20.46	-0.0018	54.50	-0.0062
20.47	-0.0017	59.57	-0.0063
27.05	-0.0014	64.20	-0.0070
34.69	-0.0006	69.32	-0.0071
34.53	-0.0005	74.16	-0.0066
34.53	-0.0004	80.16	-0.0077
39.70	-0.0006	85.61	-0.0084
45.90	-0.0010	90.58	-0.0090
45.65	-0.0008	95.69	-0.0098
45.62	-0.0009	100.92	-0.0157
50.10	-0.0009	103.25	-0.0150
53.47	-0.0015	106.11	-0.0153
53.29	-0.0013	108.31	-0.0158
53.21	-0.0011	111.08	-0.0162
50.49	-0.0008	113.24	-0.0166
46.14	-0.0005	117.83	-0.0168
46.13	-0.0005	120.92	-0.0172
44.97	0.0000	123.28	-0.0169
38.98	0.0000	122.97	-0.0164
33.99	-0.0004	125.82	-0.0166
33.96	-0.0005	125.60	-0.0162
26.83	-0.0007	127.84	-0.0169
21.88	-0.0006	130.19	-0.0179
21.90	-0.0009	132.53	-0.0181
16.69	-0.0009	135.33	-0.0179
11.74	-0.0010	134.42	-0.0178
11.77	-0.0009	138.35	-0.0175
5.05	-0.0010	140.16	-0.0173
0.02	-0.0008	142.63	-0.0182
-0.04	0.0014	145.78	-0.0208
-0.02	0.0010	142.52	-0.0196
-0.02	0.0004	0.22	0.0071
0.02	-0.0012		

HOOP STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0291 (CH 2207) LOCATED INSIDE OF LINER
 AZ = 329.57 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.6 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 292 CHANNEL 2208

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0022
5.33	0.0003	19.55	-0.0014
12.31	0.0002	29.57	-0.0007
16.44	0.0006	39.42	-0.0002
20.51	0.0006	49.16	0.0003
20.46	0.0000	54.50	0.0007
20.47	-0.0006	59.57	0.0013
27.05	-0.0004	64.20	0.0016
34.69	0.0005	69.32	0.0029
34.53	0.0003	74.16	0.0041
34.53	0.0004	80.16	0.0050
39.70	0.0008	85.61	0.0058
45.90	0.0027	90.58	0.0069
45.65	0.0040	95.69	0.0082
45.62	0.0044	100.92	0.0089
50.10	0.0048	103.25	0.0099
53.47	0.0056	106.11	0.0107
53.29	0.0068	108.31	0.0111
53.21	0.0070	111.08	0.0122
50.49	0.0075	113.24	0.0128
46.14	0.0077	117.83	0.0142
46.13	0.0078	120.92	0.0153
44.97	0.0077	123.28	0.0167
38.98	0.0071	122.97	0.0174
33.99	0.0059	125.82	0.0187
33.96	0.0058	125.60	0.0192
26.83	0.0044	127.84	0.0193
21.88	0.0037	130.19	0.0196
21.90	0.0039	132.53	0.0205
16.69	0.0031	135.33	0.0227
11.74	0.0031	134.42	0.0232
11.77	0.0035	138.35	0.0270
5.05	0.0028	140.16	0.0303
0.02	0.0019	142.63	0.0347
-0.04	0.0058	145.78	0.0380
-0.02	0.0050	142.52	0.0386
-0.02	0.0040	0.22	0.0190
0.02	0.0025		

HOOP STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0292 (CH 2208) LOCATED INSIDE OF LINER
 AZ = 329.57 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.4 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 293 CHANNEL 2209

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0009	9.89	0.0103
5.33	0.0028	19.55	0.0261
12.31	0.0086	29.57	0.0424
16.44	0.0128	39.42	0.0580
20.51	0.0201	49.16	0.0737
20.46	0.0220	54.50	0.0827
20.47	0.0225	59.57	0.0903
27.05	0.0347	64.20	0.0991
34.69	0.0513	69.32	0.1086
34.53	0.0513	74.16	0.1356
34.53	0.0520	80.16	0.1563
39.70	0.0596	85.61	0.1626
45.90	0.0703	90.58	0.1793
45.65	0.0715	95.69	0.1984
45.62	0.0716	100.92	0.1651
50.10	0.0783	103.25	0.1565
53.47	0.0841	106.11	0.1598
53.29	0.0840	108.31	0.1663
53.21	0.0841	111.08	0.1750
50.49	0.0803	113.24	0.1816
46.14	0.0736	117.83	0.1937
46.13	0.0729	120.92	0.2031
44.97	0.0729	123.28	0.2105
38.98	0.0633	122.97	0.2118
33.99	0.0556	125.82	0.2200
33.96	0.0558	125.60	0.2221
26.83	0.0446	127.84	0.2282
21.88	0.0365	130.19	0.2374
21.90	0.0363	132.53	0.2479
16.69	0.0276	135.33	0.2630
11.74	0.0190	134.42	0.2650
11.77	0.0189	138.35	0.2879
5.05	0.0082	140.16	0.3069
0.02	0.0038	142.63	0.3392
-0.04	0.0004	145.78	0.3897
-0.02	0.0043	142.52	0.3803
-0.02	0.0050	0.22	0.1154
0.02	0.0036		

MERIDIONAL STRAIN ON WALL/FLOOR SEAM BELOW INLET PENETRATION
 GAGE WR0293 (CH 2209) LOCATED INSIDE OF LINER
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 294 CHANNEL 2220

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	-0.0029
5.33	0.0026	19.55	-0.0040
12.31	0.0072	29.57	-0.0054
16.44	0.0079	39.42	-0.0065
20.51	0.0085	49.16	-0.0065
20.46	0.0077	54.50	-0.0066
20.47	0.0083	59.57	-0.0076
27.05	0.0110	64.20	-0.0113
34.69	0.0099	69.32	-0.0161
34.53	0.0124	74.16	-0.0229
34.53	0.0121	80.16	-0.0281
39.70	0.0112	85.61	-0.0309
45.90	0.0062	90.58	-0.0340
45.65	0.0044	95.69	-0.0377
45.62	0.0037	100.92	-0.0419
50.10	0.0027	103.25	-0.0406
53.47	0.0008	106.11	-0.0413
53.29	-0.0005	108.31	-0.0427
53.21	-0.0010	111.08	-0.0445
50.49	-0.0016	113.24	-0.0463
46.14	-0.0026	117.83	-0.0493
46.13	-0.0029	120.92	-0.0521
44.97	-0.0032	123.28	-0.0544
38.98	-0.0046	122.97	-0.0533
33.99	-0.0057	125.82	-0.0522
33.96	-0.0062	125.60	-0.0544
26.83	-0.0062	127.84	-0.0567
21.88	-0.0056	130.19	-0.0619
21.90	-0.0045	132.53	-0.0641
16.69	-0.0038	135.33	-0.0684
11.74	-0.0036	134.42	-0.0695
11.77	-0.0046	138.35	-0.0704
5.05	-0.0021	140.16	-0.0723
0.02	-0.0028	142.63	-0.0765
-0.04	-0.0024	145.78	-0.0777
-0.02	-0.0016	142.52	-0.0798
-0.02	-0.0013	0.22	-0.0298
0.02	-0.0010		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0294 (CH 2220) LOCATED INSIDE OF LINER
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 2.2 IN.

REINFORCED CONCRETE TEST DATA

WELDABLE GAGE 295 CHANNEL 2221

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	-0.0006
5.33	0.0021	19.55	0.0017
12.31	0.0044	29.57	0.0045
16.44	0.0060	39.42	0.0070
20.51	0.0085	49.16	0.0096
20.46	0.0088	54.50	0.0111
20.47	0.0091	59.57	0.0123
27.05	0.0135	64.20	0.0132
34.69	0.0169	69.32	0.0134
34.53	0.0170	74.16	0.0124
34.53	0.0170	80.16	0.0115
39.70	0.0184	85.61	0.0118
45.90	0.0195	90.58	0.0116
45.65	0.0188	95.69	0.0111
45.62	0.0191	100.92	0.0101
50.10	0.0196	103.25	0.0099
53.47	0.0199	106.11	0.0100
53.29	0.0194	108.31	0.0100
53.21	0.0192	111.08	0.0096
50.49	0.0182	113.24	0.0096
46.14	0.0167	117.83	0.0096
46.13	0.0165	120.92	0.0093
44.97	0.0173	123.28	0.0089
38.98	0.0155	122.97	0.0084
33.99	0.0140	125.82	0.0084
33.96	0.0141	125.60	0.0079
26.83	0.0119	127.84	0.0081
21.88	0.0104	130.19	0.0080
21.90	0.0103	132.53	0.0076
16.69	0.0088	135.33	0.0070
11.74	0.0075	134.42	0.0069
11.77	0.0075	138.35	0.0057
5.05	0.0058	140.16	0.0050
0.02	0.0047	142.63	0.0035
-0.04	0.0026	145.78	0.0017
-0.02	0.0042	142.52	0.0000
-0.02	0.0045	0.22	-0.0154
0.02	0.0047		

MERIDIONAL STRAIN ON CYLINDER WALL BELOW INLET PENETRATION
 GAGE WR0295 (CH 2221) LOCATED INSIDE OF LINER
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 4.2 IN.

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REDUCTION

Strain Gages, Strips

REINFORCED CONCRETE TEST DATA

STRIP 1 CHANNELS 260,261,262,263,264

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 3	Gage 5	Gage 7	Gage 9
Psig	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0020	-0.0009	-0.0015	0.0005	-0.0007
5.33	0.0166	0.0041	-0.0053	-0.0006	0.0032
12.31	0.0350	0.0173	-0.0016	0.0003	0.0092
16.44	0.0400	0.0221	0.0021	0.0062	0.0149
20.51	0.0431	0.0277	0.0103	0.0149	0.0235
20.46	0.0436	0.0295	0.0128	0.0165	0.0253
20.47	0.0442	0.0297	0.0140	0.0175	0.0268
27.05	0.0485	0.0382	0.0237	0.0298	0.0375
34.69	0.0557	0.0477	0.0350	0.0430	0.0497
34.53	0.0550	0.0476	0.0360	0.0442	0.0508
34.53	0.0554	0.0485	0.0366	0.0444	0.0514
38.70	0.0588	0.0538	0.0434	0.0525	0.0576
45.90	0.0644	0.0611	0.0513	0.0621	0.0668
45.65	0.0650	0.0614	0.0516	0.0615	0.0670
45.62	0.0658	0.0623	0.0521	0.0615	0.0661
50.10	0.0693	0.0678	0.0574	0.0683	0.0731
53.47	0.0726	0.0726	0.0634	0.0742	0.0782
53.29	0.0732	0.0714	0.0644	0.0745	0.0773
53.21	0.0732	0.0725	0.0630	0.0738	0.0775
50.49	0.0727	0.0698	0.0609	0.0697	0.0732
46.14	0.0705	0.0645	0.0545	0.0618	0.0657
46.13	0.0706	0.0646	0.0537	0.0616	0.0653
44.97	0.0687	0.0622	0.0514	0.0588	0.0621
38.98	0.0644	0.0553	0.0432	0.0496	0.0540
33.99	0.0617	0.0500	0.0358	0.0411	0.0462
33.96	0.0612	0.0513	0.0371	0.0424	0.0471
26.83	0.0567	0.0432	0.0265	0.0307	0.0374
21.88	0.0537	0.0386	0.0201	0.0237	0.0313
21.90	0.0539	0.0381	0.0209	0.0253	0.0320
16.69	0.0495	0.0322	0.0122	0.0157	0.0231
11.74	0.0458	0.0261	0.0044	0.0074	0.0155
11.77	0.0457	0.0251	0.0043	0.0065	0.0144
5.05	0.0396	0.0171	-0.0068	-0.0037	0.0050
0.02	0.0321	0.0094	-0.0154	-0.0134	-0.0024
-0.04	0.0151	-0.0028	-0.0177	-0.0095	-0.0020
-0.02	0.0150	-0.0037	-0.0183	-0.0095	-0.0033
-0.02	0.0159	-0.0034	-0.0182	-0.0097	-0.0045
0.02	0.0174	-0.0005	-0.0181	-0.0104	-0.0036

REINFORCED CONCRETE TEST DATA

STRIP 1 CHANNELS 260,261,262,263,264

HIGH PRESSURE TEST

Pressure Psig	Gage 1 %Strain	Gage 3 %Strain	Gage 5 %Strain	Gage 7 %Strain	Gage 9 %Strain
9.89	0.0358	0.0296	0.0134	0.0109	0.0195
19.55	0.0417	0.0391	0.0230	0.0218	0.0271
29.57	0.0502	0.0516	0.0391	0.0390	0.0443
39.42	0.0548	0.0620	0.0516	0.0528	0.0557
49.16	0.0597	0.0721	0.0643	0.0670	0.0677
54.50	0.0630	0.0776	0.0731	0.0750	0.0746
59.57	0.0662	0.0838	0.0794	0.0830	0.0815
64.20	0.0717	0.0915	0.0882	0.0925	0.0896
69.32	0.0755	0.0991	0.0971	0.1023	0.0980
74.16	0.0828	0.1079	0.1072	0.1128	0.1072
80.16	0.0887	0.1199	0.1193	0.1268	0.1207
85.61	0.0955	0.1284	0.1295	0.1385	0.1313
90.58	0.0977	0.1333	0.1368	0.1470	0.1400
95.69	0.0960	0.1351	0.1416	0.1532	0.1464
100.82	0.0956	0.1367	0.1472	0.1612	0.1575
103.25	0.0962	0.1407	0.1498	0.1653	0.1611
106.11	0.0976	0.1439	0.1539	0.1701	0.1666
109.31	0.0990	0.1463	0.1575	0.1744	0.1701
111.08	0.1012	0.1495	0.1620	0.1801	0.1762
113.24	0.1029	0.1533	0.1662	0.1850	0.1811
117.93	0.1081	0.1603	0.1750	0.1954	0.1922
120.92	0.1115	0.1649	0.1812	0.2027	0.1987
123.28	0.1138	0.1697	0.1858	0.2080	0.2046
122.97	0.1139	0.1689	0.1864	0.2076	0.2047
125.62	0.1166	0.1739	0.1919	0.2151	0.2119
125.60	0.1171	0.1744	0.1923	0.2152	0.2126
127.87	0.1190	0.1777	0.1968	0.2203	0.2174
130.19	0.1214	0.1820	0.2029	0.2279	0.2262
132.53	0.1232	0.1869	0.2095	0.2390	0.2371
135.33	0.1259	0.1940	0.2203	0.2542	0.2534
134.42	0.1263	0.1938	0.2203	0.2545	0.2533
138.35	0.1276	0.2016	0.2359	0.2770	0.2842
140.16	0.1278	0.2062	0.2444	0.2924	0.3087
142.63	0.1267	0.2129	0.2568	0.3234	0.3539
145.78	0.1275	0.2189	0.2697	0.3591	0.4139
142.52	0.1269	0.2168	0.2674	0.3619	0.4254
0.22	0.0227	0.0353	0.0418	0.0984	0.1902

STRAIN GAGE ON WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0001 (RESULTS OF HPT)
 AZ = 89.77 DEGREES V = ON RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM BELOW PL-A

GAGE ST0001101 (CH 0260)
 AZ = 89.77 DEGREES V = ON RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM BELOW PL-A
GAGE ST0001L03 (CH 0261)
AZ = 89.77 DEGREES V = ON RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM BELOW PL-A
GAGE ST0001L05 (CH 0262)
AZ = 89.77 DEGREES V = ON RADIUS

C-1403

STRAIN GAGE ON WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0001107 (CH 0263)
 AZ = 89.77 DEGREES V = 0N RADIUS

REINFORCED CONCRETE TEST DATA

STRIP 2 CHANNELS 265,266,267,268,269

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 5	Gage 7	Gage 9
Psig	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0017	0.0006	-0.0088	0.0007	0.0000
5.33	0.0073	0.0086	0.0088	0.0086	0.0082
12.31	0.0128	0.0131	0.0124	0.0150	0.0122
16.44	0.0160	0.0170	0.0152	0.0132	0.0158
20.51	0.0192	0.0221	0.0222	0.0262	0.0216
20.48	0.0207	0.0228	0.0225	0.0271	0.0226
20.47	0.0209	0.0228	0.0223	0.0266	0.0236
27.05	0.0295	0.0322	0.0334	0.0381	0.0317
34.62	0.0459	0.0490	0.0501	0.0535	0.0487
34.63	0.0458	0.0503	0.0498	0.0547	0.0472
34.53	0.0444	0.0506	0.0509	0.0563	0.0479
37.70	0.0517	0.0543	0.0564	0.0611	0.0534
45.32	0.0594	0.0664	0.0671	0.0731	0.0641
45.35	0.0596	0.0659	0.0690	0.0737	0.0643
45.62	0.0671	0.0657	0.0670	0.0726	0.0694
50.18	0.0611	0.0710	0.0711	0.0733	0.0702
51.47	0.0633	0.0740	0.0721	0.0842	0.0741
51.22	0.0636	0.0734	0.0784	0.0831	0.0742
55.21	0.0623	0.0744	0.0779	0.0832	0.0741
55.48	0.0594	0.0705	0.0735	0.0793	0.0686
46.14	0.0549	0.0654	0.0672	0.0716	0.0633
46.13	0.0541	0.0646	0.0664	0.0710	0.0626
44.92	0.0535	0.0642	0.0661	0.0719	0.0616
38.98	0.0463	0.0558	0.0579	0.0621	0.0544
32.53	0.0402	0.0487	0.0505	0.0549	0.0471
33.96	0.0409	0.0480	0.0503	0.0557	0.0485
26.63	0.0295	0.0364	0.0382	0.0443	0.0391
21.88	0.0276	0.0264	0.0313	0.0365	0.0315
21.90	0.0242	0.0296	0.0317	0.0372	0.0331
16.65	0.0173	0.0210	0.0237	0.0283	0.0254
11.74	0.0110	0.0135	0.0157	0.0202	0.0181
11.77	0.0121	0.0146	0.0147	0.0198	0.0178
5.05	0.0047	0.0081	0.0075	0.0103	0.0078
0.02	-0.0039	-0.0019	-0.0020	0.0004	0.0002
-0.04	-0.0032	-0.0039	-0.0067	-0.0025	-0.0029
-0.02	-0.0018	-0.0016	-0.0021	0.0002	0.0005
-0.02	-0.0016	-0.0017	-0.0023	0.0017	0.0003
0.07	0.0018	0.0006	-0.0008	0.0030	0.0019

REINFORCED CONCRETE TEST DATA

STRIP 2 CHANNELS 265,266,267,268,269

HIGH PRESSURE TEST

Pressure	Gage 1 λStrain	Gage 3 λStrain	Gage 5 λStrain	Gage 7 λStrain	Gage 9 λStrain
0.00	0.0154	0.0101	0.0208	0.0204	0.0175
0.05	0.0246	0.0202	0.0354	0.0350	0.0317
0.10	0.0357	0.0403	0.0492	0.0489	0.0440
0.15	0.0434	0.0509	0.0607	0.0605	0.0534
0.20	0.0499	0.0615	0.0687	0.0708	0.0616
0.25	0.0553	0.0705	0.0755	0.0755	0.0668
0.30	0.0607	0.0755	0.0815	0.0814	0.0714
0.35	0.0628	0.0830	0.0890	0.0898	0.0797
0.40	0.0667	0.0909	0.0974	0.0990	0.0879
0.45	0.0709	0.0942	0.1071	0.1071	0.0974
0.50	0.0782	0.1004	0.1138	0.1155	0.1027
0.55	0.0857	0.1105	0.1207	0.1230	0.1164
0.60	0.0887	0.1162	0.1270	0.1275	0.1160
0.65	0.0934	0.1277	0.1315	0.1377	0.1277
0.70	0.0987	0.1375	0.1378	0.1450	0.1384
0.75	0.1031	0.1481	0.1378	0.1441	0.1464
0.80	0.1089	0.1509	0.1406	0.1475	0.1515
0.85	0.1124	0.1535	0.1425	0.1515	0.1536
0.90	0.1175	0.1534	0.1475	0.1505	0.1551
0.95	0.1211	0.1555	0.1449	0.1532	0.1562
1.00	0.1254	0.1590	0.1482	0.1576	0.1595
1.05	0.1282	0.1626	0.1521	0.1643	0.1466
1.10	0.1304	0.1658	0.1569	0.1714	0.1523
1.15	0.1327	0.1684	0.1576	0.1717	0.1539
1.20	0.1359	0.1696	0.1615	0.1766	0.1600
1.25	0.1394	0.1707	0.1634	0.1811	0.1623
1.30	0.1404	0.1740	0.1677	0.1860	0.1679
1.35	0.1427	0.1764	0.1703	0.1860	0.1785
1.40	0.1459	0.1798	0.1805	0.2003	0.1814
1.45	0.1475	0.1831	0.1849	0.2092	0.2021
1.50	0.1521	0.1854	0.1905	0.2137	0.2052
1.55	0.1564	0.1890	0.2014	0.2252	0.2185
1.60	0.1599	0.1854	0.2102	0.2484	0.2307
1.65	0.1556	0.1777	0.2003	0.2347	0.2158
1.70	0.1419	0.1546	0.2074	0.2437	0.2141
1.75	0.1391	0.1595	0.2010	0.2367	0.2180
1.80	0.1354	0.0249	0.0034	0.0271	0.0317

STRAIN GAGE ON WALL/FLOOR SEAM
 GAGE ST0002 (RESULTS OF HPT)
 AZ = 226.97 DEGREES V = 0N RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM
 GAGE ST0002101 (CH 0265)
 AZ = 226.97 DEGREES V = ON RADIUS

Pressure (psig)-Channel #2

STRAIN GAGE ON WALL/FLOOR SEAM
 GAGE ST0002L03 (CH 0266)
 AZ = 226.97 DEGREES V = ON RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM
 GAGE ST0002L05 (CH 0267)
 AZ = 226.97 DEGREES V = ON RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM
 GAGE ST0002L07 (CH 0268)
 AZ = 226.97 DEGREES V = ON RADIUS

STRAIN GAGE ON WALL/FLOOR SEAM
 GAGE ST0002L09 (CH 0269)
 AZ = 226.97 DEGREES V = CN RADIUS

REINFORCED CONCRETE TEST DATA

STRIP 3 CHANNELS 280,281,282

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 3	Gage 8
Psig	%Strain	%Strain	%Strain
-0.05	-0.0005	-0.0003	-0.0005
5.33	0.0009	0.0054	0.0017
12.31	0.0110	0.0099	0.0044
16.44	0.0114	0.0104	0.0048
20.51	0.0119	0.0109	0.0038
20.46	0.0118	0.0110	0.0043
20.47	0.0110	0.0104	0.0037
27.05	0.0106	0.0103	0.0032
34.69	0.0095	0.0095	0.0017
34.53	0.0089	0.0101	0.0019
34.53	0.0093	0.0100	0.0009
39.70	0.0097	0.0101	0.0004
45.90	0.0089	0.0092	-0.0004
45.65	0.0096	0.0084	0.0004
45.62	0.0098	0.0107	-0.0004
50.10	0.0098	0.0095	0.0000
53.47	0.0095	0.0084	-0.0009
53.29	0.0102	0.0089	0.0000
53.21	0.0095	0.0094	0.0000
50.49	0.0118	0.0107	0.0009
46.14	0.0117	0.0120	0.0029
46.13	0.0117	0.0122	0.0024
44.97	0.0130	0.0116	0.0019
38.98	0.0140	0.0127	0.0033
33.99	0.0149	0.0143	0.0039
33.96	0.0129	0.0132	0.0042
26.83	0.0144	0.0128	0.0052
21.88	0.0129	0.0122	0.0052
21.90	0.0134	0.0120	0.0057
16.69	0.0121	0.0099	0.0070
11.74	0.0101	0.0079	0.0083
11.77	0.0100	0.0082	0.0096
5.05	0.0074	0.0051	0.0093
0.02	0.0035	0.0019	0.0092
-0.04	0.0027	0.0025	0.0078
-0.02	0.0025	0.0027	0.0086
-0.02	0.0033	0.0018	0.0086
0.02	0.0023	0.0008	0.0080

REINFORCED CONCRETE TEST DATA

STRIP 3 CHANNELS 280,281,282

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 3	Gage 8
Psig	%Strain	%Strain	%Strain
9.89	0.0122	0.0107	0.0056
19.55	0.0175	0.0163	0.0055
29.57	0.0212	0.0217	0.0068
39.42	0.0207	0.0205	0.0048
49.16	0.0198	0.0206	0.0025
54.50	0.0190	0.0192	0.0008
59.57	0.0191	0.0191	-0.0012
64.20	0.0197	0.0189	-0.0026
69.32	0.0195	0.0190	-0.0045
74.16	0.0187	0.0181	-0.0072
80.16	0.0184	0.0175	-0.0059
85.61	0.0178	0.0170	-0.0071
90.58	0.0177	0.0159	-0.0088
95.69	0.0170	0.0140	-0.0095
100.92	0.0153	0.0142	-0.0107
103.25	0.0153	0.0134	-0.0114
106.11	0.0150	0.0123	-0.0116
108.31	0.0142	0.0117	-0.0127
111.08	0.0147	0.0114	-0.0136
113.24	0.0140	0.0112	-0.0142
117.83	0.0136	0.0097	-0.0155
120.92	0.0128	0.0091	-0.0172
123.28	0.0127	0.0082	-0.0179
122.97	0.0128	0.0085	-0.0181
125.82	0.0120	0.0076	-0.0190
125.60	0.0122	0.0076	-0.0194
127.84	0.0112	0.0072	-0.0199
130.19	0.0103	0.0064	-0.0220
132.53	0.0092	0.0038	-0.0247
135.33	0.0076	0.0024	-0.0274
134.42	0.0073	0.0027	-0.0276
138.35	0.0049	0.0011	-0.0303
140.16	0.0039	0.0002	-0.0326
142.63	0.0029	0.0001	-0.0331
145.78	0.0014	0.0000	-0.0341
142.52	0.0015	0.0007	-0.0328
0.22	0.0308	0.0313	0.0295

STRAIN GAGE ON FLOOR LINER BELOW PL-A
 GAGE ST0003 (RESULTS OF HPT)
 AZ = 89.88 DEGREES V = FLOOR

STRAIN GAGE ON FLOOR LINER BELOW PL-A
 GAGE ST0003L01 (CH 0280)
 AZ = 89.88 DEGREES V = FLOOR

STRAIN GAGE ON FLOOR LINER BELOW PL-A
 GAGE ST0003L03 (CH 0281)
 AZ = 89.88 DEGREES V = FLOOR

STRAIN GAGE ON FLOOR LINER BELOW PL-A
 GAGE ST0003L08 (CH 0282)
 AZ = 89.88 DEGREES V = FLOOR

REINFORCED CONCRETE TEST DATA

STRIP 4 CHANNELS 283,284,285,286,287

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 3	Gage 5	Gage 7	Gage 9
Psig	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0006	0.0003	-0.0027	-0.0014	0.0020
5.33	0.0038	0.0040	0.0002	0.0003	0.0020
12.31	0.0048	0.0108	0.0049	0.0020	0.0046
16.44	0.0059	0.0122	0.0059	0.0029	0.0069
20.51	0.0031	0.0081	0.0054	0.0036	0.0089
20.46	0.0004	0.0055	0.0061	0.0040	0.0087
20.47	-0.0001	0.0054	0.0059	0.0045	0.0088
27.05	0.0065	-0.0019	0.0050	0.0063	0.0107
34.69	0.0193	-0.0178	0.0022	0.0102	0.0169
34.53	0.0217	-0.0210	0.0016	0.0111	0.0176
34.53	0.0234	-0.0218	0.0016	0.0115	0.0182
39.70	0.0295	-0.0301	0.0008	0.0135	0.0208
45.90	0.0417	-0.0462	-0.0012	0.0183	0.0256
45.65	0.0425	-0.0464	-0.0016	0.0173	0.0248
45.62	0.0425	-0.0463	-0.0024	0.0168	0.0246
50.10	0.0454	-0.0533	-0.0022	0.0194	0.0274
53.47	0.0481	-0.0613	-0.0029	0.0204	0.0288
53.29	0.0485	-0.0613	-0.0035	0.0206	0.0288
53.21	0.0480	-0.0618	-0.0037	0.0202	0.0275
50.49	0.0479	-0.0585	-0.0061	0.0182	0.0260
46.14	0.0483	-0.0525	-0.0062	0.0153	0.0235
46.13	0.0478	-0.0516	-0.0063	0.0155	0.0233
44.97	0.0448	-0.0492	-0.0073	0.0126	0.0224
38.96	0.0434	-0.0424	-0.0080	0.0108	0.0198
33.90	0.0386	-0.0343	-0.0072	0.0076	0.0174
33.96	0.0387	-0.0366	-0.0075	0.0083	0.0183
26.83	0.0367	-0.0264	-0.0057	0.0051	0.0143
21.88	0.0339	-0.0207	-0.0040	0.0042	0.0124
21.90	0.0356	-0.0212	-0.0038	0.0041	0.0134
16.69	0.0328	-0.0155	-0.0021	0.0047	0.0118
11.74	0.0309	-0.0092	0.0012	0.0053	0.0114
11.77	0.0336	-0.0080	0.0010	0.0060	0.0124
5.05	0.0307	-0.0010	0.0045	0.0085	0.0127
0.02	0.0282	0.0013	0.0059	0.0094	0.0136
-0.04	0.0302	0.0029	0.0039	0.0057	0.0099
-0.02	0.0242	0.0026	0.0037	0.0062	0.0098
-0.02	0.0250	0.0028	0.0046	0.0060	0.0092
0.02	0.0245	0.0032	0.0052	0.0067	0.0118

REINFORCED CONCRETE TEST DATA

STRIP 4 CHANNELS 283,284,285,286,287

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 3	Gage 5	Gage 7	Gage 9
Psi-g	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0063	0.0045	0.0022	0.0017	0.0022
19.55	0.0121	-0.0054	-0.0028	-0.0011	0.0016
29.57	0.0185	-0.0193	-0.0073	0.0002	0.0061
39.42	0.0240	-0.0353	-0.0096	0.0052	0.0108
49.18	0.0269	-0.0498	-0.0093	0.0119	0.0169
54.50	0.0281	-0.0589	-0.0084	0.0147	0.0198
59.57	0.0300	-0.0676	-0.0075	0.0175	0.0220
64.21	0.0314	-0.0753	-0.0073	0.0198	0.0248
69.31	0.0345	-0.0825	-0.0055	0.0228	0.0257
74.11	0.0417	-0.1060	-0.0051	0.0236	0.0298
80.17	0.0525	-0.1264	-0.0066	0.0237	0.0364
85.51	0.0600	-0.1341	-0.0126	0.0184	0.0364
90.58	0.0748	-0.1112	-0.0206	-0.0037	0.0191
95.60	0.1063	-0.0710	-0.0206	-0.0261	-0.0067
101.92	0.1212	-0.0541	-0.0201	-0.0337	-0.0220
103.25	0.1395	-0.0471	-0.0204	-0.0371	-0.0253
106.11	0.1451	-0.0429	-0.0207	-0.0394	-0.0197
108.31	0.1558	-0.0395	-0.0209	-0.0412	-0.0232
111.08	0.1644	-0.0363	-0.0219	-0.0448	-0.0168
113.24	0.1680	-0.0344	-0.0223	-0.0460	-0.0195
117.85	0.1747	-0.0305	-0.0221	-0.0501	-0.0251
121.02	0.1809	-0.0254	-0.0223	-0.0529	-0.0296
123.26	0.1859	-0.0209	-0.0228	-0.0549	-0.0331
127.87	0.1867	-0.0220	-0.0230	-0.0558	-0.0358
129.61	0.1883	-0.0189	-0.0231	-0.0574	-0.0367
131.77	0.1878	-0.0197	-0.0230	-0.0579	-0.0375
133.84	0.1920	-0.0170	-0.0224	-0.0595	-0.0415
137.19	0.1946	-0.0143	-0.0218	-0.0598	-0.0409
139.09	0.2013	-0.0118	-0.0221	-0.0610	-0.0530
139.39	0.2044	-0.0100	-0.0212	-0.0605	-0.0559
144.40	0.2029	-0.0095	-0.0213	-0.0613	-0.0555
145.31	0.2067	-0.0072	-0.0205	-0.0614	-0.0517
146.16	0.2043	-0.0049	-0.0198	-0.0607	-0.0585
147.50	0.2107	-0.0006	-0.0173	-0.0628	-0.0573
148.76	0.2204	0.0034	-0.0146	-0.0612	-0.0583
149.40	0.2310	0.0061	-0.0147	-0.0618	-0.0573
0.00	0.0400	-0.0407	-0.0216	-0.0269	1.9510

STRAIN GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0004 (RESULTS OF HPT)
 AZ = 90.22 DEGREES V = 2 FT 2.3 IN.

STRAIN GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0004L01 (CH 0283)
 AZ = 90.22 DEGREES V = 2 FT 2.3 IN.

STRAIN GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0004L03 (CH 0284)
 AZ = 90.22 DEGREES V = 2 FT 2.3 IN.

STRAIN GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0004L05 (CH 0285)
 AZ = 90.22 DEGREES V = 2 FT 2.3 IN.

STRAIN GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0004L07 (CH 0286)
 AZ = 90.22 DEGREES V = 2 FT 2.3 IN.

STRAIN GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE ST0004L09 (CH 0287)
 AZ = 90.22 DEGREES V = 2 FT 2.3 IN.

REINFORCED CONCRETE TEST DATA

STRIP 5 CHANNELS 288,289,300

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 3	Gage 8
Psig	%Strain	%Strain	%Strain
-0.05	-0.0011	0.0015	0.0003
5.33	-0.0005	-0.0011	0.0013
12.31	0.0049	0.0013	0.0078
16.44	0.0112	0.0032	0.0089
20.51	0.0184	0.0084	0.0103
20.46	0.0203	0.0104	0.0118
20.47	0.0208	0.0104	0.0126
27.05	0.0333	0.0175	0.0142
34.69	0.0506	0.0272	0.0156
34.53	0.0527	0.0282	0.0160
34.53	0.0528	0.0289	0.0166
39.70	0.0615	0.0335	0.0156
45.90	0.0751	0.0402	0.0165
45.65	0.0771	0.0417	0.0178
45.62	0.0767	0.0418	0.0176
50.10	0.0849	0.0451	0.0170
53.47	0.0939	0.0498	0.0175
53.29	0.0945	0.0511	0.0174
53.21	0.0954	0.0503	0.0176
50.49	0.0904	0.0494	0.0192
46.14	0.0832	0.0461	0.0199
46.13	0.0829	0.0451	0.0188
44.97	0.0813	0.0452	0.0192
38.98	0.0721	0.0406	0.0203
33.99	0.0635	0.0367	0.0198
33.96	0.0628	0.0376	0.0203
26.83	0.0507	0.0314	0.0204
21.88	0.0406	0.0262	0.0192
21.90	0.0404	0.0263	0.0192
16.69	0.0307	0.0199	0.0170
11.74	0.0218	0.0155	0.0155
11.77	0.0210	0.0133	0.0154
5.05	0.0123	0.0099	0.0097
0.02	0.0133	0.0116	0.0031
-0.04	0.0107	0.0091	0.0014
-0.02	0.0123	0.0097	0.0014
-0.02	0.0116	0.0095	0.0007
0.02	0.0111	0.0078	0.0007

REINFORCED CONCRETE TEST DATA

STRIP 5 CHANNELS 288,289,300

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 3	Gage 8
Psig	%Strain	%Strain	%Strain
9.89	0.0074	0.0027	0.0135
19.55	0.0263	0.0127	0.0178
29.57	0.0457	0.0210	0.0188
39.42	0.0642	0.0302	0.0176
49.16	0.0809	0.0374	0.0171
54.50	0.0912	0.0419	0.0162
59.57	0.1009	0.0477	0.0151
64.20	0.1114	0.0528	0.0147
69.32	0.1266	0.0598	0.0133
74.16	0.1413	0.0676	0.0110
80.16	0.1570	0.0728	0.0063
85.61	0.1713	0.0788	0.0024
90.58	0.1846	0.0836	-0.0013
95.69	0.2005	0.0896	-0.0062
100.92	0.2152	0.0934	-0.0110
103.25	0.2224	0.0958	-0.0130
106.11	0.2294	0.0974	-0.0161
108.31	0.2358	0.0991	-0.0181
111.08	0.2440	0.1010	-0.0211
113.24	0.2500	0.1026	-0.0230
117.83	0.2607	0.1053	-0.0285
120.92	0.2673	0.1067	-0.0315
123.28	0.2739	0.1073	-0.0339
122.97	0.2747	0.1076	-0.0350
125.82	0.2799	0.1079	-0.0375
125.60	0.2818	0.1083	-0.0385
127.84	0.2847	0.1090	-0.0424
130.19	0.2899	0.1095	-0.0464
132.53	0.2945	0.1084	-0.0517
135.33	0.3001	0.1060	-0.0584
134.42	0.2993	0.1046	-0.0578
138.35	0.3033	0.1019	-0.0655
140.16	0.3046	0.1006	-0.0718
142.63	0.3056	0.0946	-0.0828
145.78	0.3112	0.0938	-0.0905
142.52	0.3095	0.0935	-0.0913
0.22	0.0004	-0.0794	-0.0619

STRAIN GAGE ON FLOOR LINER BELOW EQ-A
 GAGE ST0005 (RESULTS OF HPT)
 AZ = 0.0 DEGREES V = FLOOR

STRAIN GAGE ON FLOOR LINER BELOW EQ-A
GAGE ST0005L01 (CH 0288)
AZ = 0.0 DEGREES V = FLOOR

STRAIN GAGE ON FLOOR LINER BELOW EQ-A
 GAGE ST0005L03 (CH 0289)
 AZ = 0.0 DEGREES V = FLOOR

STRAIN GAGE ON FLOOR LINER BELOW EQ-A
 GAGE ST0005L08 (CH 0300)
 AZ = 0.0 DEGREES V = FLOOR

REINFORCED CONCRETE TEST DATA

STRIP 6 CHANNELS 304, 305, 306, 308, 309, 320, 321

STRUCTURAL INTEGRITY TEST

Pressure Psig	Gage 1 %Strain	Gage 2 %Strain	Gage 3 %Strain	Gage 4 %Strain	Gage 6 %Strain	Gage 8 %Strain	Gage 10 %Strain
-0.05	0.0000	-0.0001	-0.0003	0.0008	0.0008	-0.0022	-0.0015
5.33	0.0047	0.0045	0.0018	0.0041	0.0012	0.0024	0.0053
12.31	0.0091	0.0001	0.0064	0.0070	0.0018	0.0056	0.0222
16.44	0.0120	0.0030	0.0091	0.0095	0.0033	0.0066	0.0230
20.51	0.0141	0.0044	0.0119	0.0112	-0.4695	0.0047	0.0204
20.46	0.0145	0.0046	0.0115	0.0108	-0.4688	0.0026	0.0188
20.47	0.0154	0.0055	0.0119	0.0125	-0.4700	0.0013	0.0171
27.05	0.0174	0.0086	0.0145	0.0128	-0.4668	-0.0144	0.0028
34.69	0.0246	0.0147	0.0213	0.0170	-0.4627	-0.0484	-0.0330
34.53	0.0253	0.0154	0.0215	0.0175	-0.4630	-0.0569	-0.0404
34.53	0.0248	0.0160	0.0216	0.0179	-0.4629	-0.0601	-0.0436
39.70	0.0277	0.0180	0.0239	0.0195	-0.4613	-0.0829	-0.0664
45.90	0.0285	0.0198	0.0263	0.0202	-0.4603	-0.1130	-0.0976
45.65	0.0274	0.0190	0.0252	0.0196	-0.4602	-0.1145	-0.0984
45.62	0.0277	0.0185	0.0251	0.0192	-0.4606	-0.1150	-0.0981
50.10	0.0295	0.0195	0.0263	0.0211	-0.4606	-0.1284	-0.1120
53.47	0.0301	0.0204	0.0275	0.0214	-0.4591	-0.1429	-0.1254
53.29	0.0301	0.0209	0.0268	0.0208	-0.4593	-0.1433	-0.1277
53.21	0.0292	0.0198	0.0271	0.0218	-0.4599	-0.1418	-0.1273
50.49	0.0287	0.0185	0.0257	0.0212	-0.4602	-0.1417	-0.1250
46.14	0.0262	0.0167	0.0240	0.0202	-0.4636	-0.1371	-0.1213
46.13	0.0258	0.0163	0.0242	0.0200	-0.4612	-0.1360	-0.1198
44.97	0.0270	0.0174	0.0244	0.0208	-0.0304	-0.1343	-0.1182
38.98	0.0233	0.0142	0.0220	0.0181	-0.0297	-0.1287	-0.1116
33.99	0.0212	0.0116	0.0190	0.0169	-0.4645	-0.1192	-0.1033
33.96	0.0210	0.0125	0.0192	0.0158	-0.4649	-0.1194	-0.1031
26.83	0.0191	0.0101	0.0161	0.0128	-0.4676	-0.1013	-0.0855
21.88	0.0179	0.0084	0.0144	0.0103	-0.4706	-0.0869	-0.0708
21.90	0.0178	0.0090	0.0135	0.0091	-0.4704	-0.0888	-0.0719
16.69	0.0158	0.0060	0.0114	0.0084	-0.4720	-0.0746	-0.0591
11.74	0.0134	0.0038	0.0087	0.0062	-0.4749	0.0607	-0.0450
11.77	0.0128	0.0028	0.0078	0.0058	-0.4741	-0.0576	-0.0417
5.05	0.0066	-0.0031	0.0044	0.0061	-0.4749	-0.0402	-0.0246
0.02	-0.0006	-0.0106	-0.0014	0.0021	-0.4786	-0.0409	-0.0249
-0.04	0.0016	-0.0071	0.0018	0.0053	-0.4740	-0.0320	-0.0155
-0.02	0.0016	-0.0068	0.0049	0.0053	-0.4742	-0.0324	-0.0158
-0.02	0.0012	-0.0067	0.0041	0.0045	-0.4737	-0.0327	-0.0161
0.02	0.0030	-0.0080	0.0029	0.0053	-0.4764	-0.0333	-0.0175

REINFORCED CONCRETE TEST DATA

STRIP 6 CHANNELS 304, 305, 306, 308, 309, 320, 321

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 4	Gage 6	Gage 8	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
0.89	0.0105	0.0107	0.0287	0.0027	0.0024	-0.0053	-0.0055
19.55	0.0157	0.0154	0.0124	0.0014	0.0007	-0.0286	-0.0281
29.57	0.0186	0.0190	0.0056	0.0023	0.0027	-0.0558	-0.0566
39.42	0.0221	0.0221	0.0106	0.0071	0.0059	-0.0829	-0.0827
49.15	0.0255	0.0253	0.0136	0.0104	0.0084	-0.1060	-0.1060
54.40	0.0273	0.0271	0.0161	0.0119	0.0114	-0.1182	-0.1183
59.57	0.0280	0.0278	0.0170	0.0136	0.0126	-0.1341	-0.1345
64.00	0.0280	0.0281	0.0166	0.0147	0.0130	-0.1571	-0.1573
69.32	0.0281	0.0283	0.0181	0.0150	0.0133	-0.1811	-0.1807
74.16	0.0280	0.0277	0.0190	0.0146	0.0144	-0.2059	-0.2056
80.16	0.0283	0.0277	0.0189	0.0138	0.0132	-0.2334	-0.2333
85.61	0.0287	0.0278	0.0193	0.0148	0.0135	-0.2582	-0.2589
90.18	0.0280	0.0275	0.0197	0.0153	0.0144	-0.2814	-0.2814
95.69	0.0280	0.0284	0.0205	0.0160	0.0150	-0.3059	-0.3056
100.82	0.0280	0.0291	0.0215	0.0157	0.0165	-0.3282	-0.3280
106.01	0.0301	0.0294	0.0219	0.0181	0.0173	-0.3391	-0.3365
106.11	0.0303	0.0302	0.0223	0.0191	0.0179	-0.3494	-0.3495
106.31	0.0309	0.0312	0.0231	0.0196	0.0166	-0.3569	-0.3572
111.08	0.0325	0.0310	0.0240	0.0215	0.0202	-0.3692	-0.3695
113.74	0.0334	0.0313	0.0253	0.0225	0.0213	-0.3783	-0.3785
117.83	0.0355	0.0319	0.0277	0.0259	0.0250	-0.4005	-0.4012
120.92	0.0371	0.0367	0.0290	0.0273	0.0264	-0.4195	-0.4193
123.26	0.0374	0.0378	0.0280	0.0273	0.0263	-0.4357	-0.4356
127.97	0.0370	0.0367	0.0291	0.0268	0.0254	-0.4379	-0.4377
129.81	0.0370	0.0368	0.0275	0.0182	0.0172	-0.4435	-0.4434
129.61	0.0372	0.0367	0.0246	0.0060	0.0067	-0.4367	-0.4361
127.84	0.0365	0.0365	0.0172	-0.0146	-0.0155	-0.4368	-0.4363
130.19	0.0419	0.0415	-0.0082	-0.0544	-0.0553	-0.4487	-0.4489
132.53	0.0471	0.0464	-0.0261	-0.0659	-0.0679	-0.4828	-0.4814
135.33	0.0342	0.0354	-0.0712	-0.1269	-0.1273	-0.5357	-0.5356
134.42	0.0300	0.0280	-0.0822	-0.1342	-0.1384	-0.5407	-0.5406
136.31	-0.0154	-0.0156	-0.1230	-0.1659	-0.1674	-0.5710	-0.5713
140.16	-0.0593	-0.0594	-0.1403	-0.1714	-0.1722	-0.5755	-0.5760
140.63	-0.0669	-0.0661	-0.1330	-0.1578	-0.1589	-0.5748	-0.5751
141.78	-0.0929	-0.0922	-0.1219	-0.1305	-0.1303	-0.5666	-0.5672
142.12	-0.0926	-0.0920	-0.1178	-0.1241	-0.1250	-0.5633	-0.5630
0.22	-0.0739	-0.0749	0.0326	-0.1242	-0.1249	-0.6019	-0.6022

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006 (RESULTS OF HPT)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006L01 (CH 0304)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006L02 (CH 0305)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006L03 (CH 0306)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006L04 (CH 0308)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006L06 (CH 0309)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
GAGE ST0006L08 (CH 0320)
AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

STRAIN GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE ST0006L10 (CH 0321)
 AZ = 158.87 DEGREES V = 12 FT 10.4 IN.

REINFORCED CONCRETE TEST DATA

STRIP 7 CHANNELS 322, 323, 324, 325, 326, 327, 328

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 4	Gage 6	Gage 8	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0009	-0.0016	-0.0023	-0.0034	-0.0016	-0.0006	-0.0007
5.33	0.0369	0.0430	0.0436	0.0337	0.0175	0.0124	0.0099
12.31	0.0824	0.0973	0.0990	0.0092	0.0412	0.0311	0.0247
16.44	0.1087	0.1301	0.1315	0.0419	0.0550	0.0408	0.0341
20.51	0.1399	0.1715	0.1757	0.0860	0.0697	0.0529	0.0443
20.46	0.1426	0.1748	0.1797	0.0893	0.0713	0.0541	0.0462
20.47	0.1440	0.1757	0.1815	0.0906	0.0724	0.0552	0.0467
27.05	0.1866	0.2340	0.2464	0.1554	0.0985	0.0755	0.0659
34.69	0.2369	0.3033	0.3182	0.2284	0.1204	0.0964	0.0876
34.53	0.2427	0.3086	0.3247	0.2341	0.1212	0.0972	0.0882
34.53	0.2436	0.3096	0.3262	0.2355	0.1213	0.0974	0.0894
39.70	0.2737	0.3517	0.3705	0.2797	0.1316	0.1075	0.0996
45.90	0.3219	0.4184	0.4449	0.3546	0.1473	0.1264	0.1172
45.65	0.3280	0.4265	0.4540	0.3630	0.1492	0.1285	0.1187
45.62	0.3291	0.4279	0.4558	0.3644	0.1492	0.1285	0.1186
50.10	0.3582	0.4716	0.5082	0.4175	0.1636	0.1440	0.1303
53.47	0.3873	0.5179	0.5678	0.4768	0.1830	0.1665	0.1456
53.29	0.3921	0.5264	0.5789	0.4881	0.1886	0.1734	0.1488
53.21	0.3938	0.5291	0.5824	0.4910	0.1896	0.1751	0.1502
50.49	0.3886	0.5249	0.5783	0.4879	0.1866	0.1736	0.1482
46.14	0.3796	0.5143	0.5674	0.4767	0.1794	0.1661	0.1398
46.13	0.3799	0.5142	0.5675	0.4763	0.1784	0.1650	0.1393
44.97	0.3802	0.5140	0.5669	0.4760	0.1789	0.1647	0.1404
38.98	0.3658	0.4978	0.5498	0.4593	0.1675	0.1538	0.1291
33.99	0.3529	0.4827	0.5343	0.4434	0.1549	0.1433	0.1187
33.96	0.3522	0.4816	0.5330	0.4424	0.1545	0.1421	0.1183
26.83	0.3320	0.4589	0.5098	0.4194	0.1385	0.1256	0.1024
21.88	0.3153	0.4410	0.4903	0.4006	0.1271	0.1144	0.0918
21.90	0.3141	0.4399	0.4904	0.4003	0.1269	0.1135	0.0909
16.69	0.2937	0.4170	0.4662	0.3768	0.1132	0.1011	0.0793
11.74	0.2674	0.3845	0.4324	0.3425	0.0956	0.0872	0.0654
11.77	0.2658	0.3833	0.4303	0.3415	0.0945	0.0868	0.0646
5.05	0.2112	0.3178	0.3632	0.2730	0.0658	0.0655	0.0464
0.02	0.1585	0.2453	0.2861	0.1948	0.0424	0.0507	0.0349
-0.04	0.1553	0.2429	0.2842	0.1928	0.0422	0.0509	0.0334
-0.02	0.1567	0.2451	0.2849	0.1955	0.0433	0.0498	0.0334
-0.02	0.1555	0.2438	0.2834	0.1941	0.0427	0.0496	0.0330
0.02	0.1544	0.2426	0.2810	0.1918	0.0409	0.0479	0.0312

REINFORCED CONCRETE TEST DATA

STRIP 7 CHANNELS 322, 323, 324, 325, 326, 327, 328

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 4	Gage 6	Gage 8	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0832	0.0981	0.0976	0.0980	0.0432	0.0271	0.0226
19.55	0.1381	0.1615	0.1608	0.1615	0.0768	0.0554	0.0478
29.57	0.1701	0.2014	0.2019	0.2021	0.1010	0.0780	0.0706
39.42	0.1990	0.2372	0.2397	0.2407	0.1225	0.0997	0.0919
49.16	0.2271	0.2736	0.2805	0.2810	0.1429	0.1212	0.1122
54.50	0.2467	0.3044	0.3174	0.3176	0.1608	0.1408	0.1307
59.57	0.2667	0.3603	0.3960	0.3962	0.2076	0.2331	0.2095
64.20	0.2810	0.4094	0.4652	0.4652	0.2801	0.3637	0.3514
69.32	0.3002	0.4567	0.5263	0.5261	0.3517	0.5011	0.4915
74.16	0.3326	0.5208	0.6034	0.6038	0.4364	0.6525	0.6390
80.16	0.4125	0.6232	0.7177	0.7178	0.6029	0.8735	0.8208
85.61	0.5182	0.7304	0.8222	0.8225	0.7831	1.0616	0.9952
90.58	0.6551	0.8564	0.9355	0.9357	0.9382	1.1946	1.1508
95.69	0.7847	1.0176	1.0694	1.0699	1.0683	1.2857	1.3089
100.92	0.9264	1.1756	1.1999	1.1999	1.1593	1.3632	1.4280
103.25	0.9891	1.2483	1.2605	1.2609	1.1872	1.3973	1.4632
106.11	1.0527	1.3243	1.3237	1.3241	1.2193	1.4344	1.5029
108.31	1.0964	1.3761	1.3706	1.3715	1.2454	1.4673	1.5309
111.08	1.1520	1.4477	1.4371	1.4379	1.2837	1.5177	1.5734
113.24	1.1889	1.4978	1.4876	1.4879	1.3143	1.5611	1.6087
117.83	1.2710	1.6084	1.6011	1.6012	1.3994	1.6709	1.7137
120.92	1.3316	1.8898	1.6790	1.6795	1.4552	1.7535	1.7887
123.28	1.3819	1.7603	1.7456	1.7458	1.5033	1.8251	1.8509
122.97	1.3941	1.7782	1.7615	1.7622	1.5150	1.8436	1.8632
125.82	1.4514	1.8633	1.8453	1.8458	1.5993	1.9372	1.9562
125.60	1.4667	1.8852	1.8640	1.8649	1.6137	1.9610	1.9746
127.84	1.4956	1.9290	1.9055	1.9057	1.6537	2.0040	2.0241
130.19	1.5480	2.0022	1.9747	1.9753	1.7403	2.0888	2.1170
132.53	1.6232	2.1061	2.0773	2.0773	1.8811	2.1983	2.2481
135.33	1.7396	2.2556	2.2328	2.2332	2.0686	2.3410	2.4308
134.42	1.7712	2.2896	2.2718	2.2720	2.1083	2.3750	2.4670
138.35	2.0190	2.5306	2.5599	2.5608	2.3965	2.6414	2.7855
140.16	2.2471	2.7359	2.8116	2.8121	2.6181	2.8797	3.0352
142.63	2.5497	3.0297	3.2044	3.2050	2.9515	3.2493	3.3912
145.78	2.8375	3.3556	3.6183	3.6189	3.2904	3.6323	3.7617
142.52	2.9614	3.4848	3.7457	3.7464	3.4041	3.7759	3.8942
0.22	2.5400	3.0404	3.2697	3.2700	2.9894	3.3844	3.5228

STRAIN GAGE 6.62 DEG. FROM CONSTRAINED PENETRATION
 GAGE ST0007 (RESULTS OF HPT)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION
 GAGE ST0007L01 (CH 0322)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION
 GAGE ST0007L02 (CH 0323)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION
 GAGE ST0007103 (CH 0324)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION
 GAGE ST0007L04 (CH 0325)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION
 GAGE ST0007L06 (CH 0326)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION

GAGE ST0007L08 (CH 0327)

AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE 6.62 DEGREES FROM CONSTRAINED PENETRATION
 GAGE ST0007L10 (CH 0328)
 AZ = 308.38 DEGREES V = 20 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

STRIP 8 CHANNELS 386,387,388,389,2240,2241

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0006	-0.0009	-0.0013	0.0010	-0.0024	0.0021
5.33	-0.0036	-0.0052	-0.0063	-0.0028	-0.0030	-0.0011
12.31	-0.0083	-0.0098	-0.0109	-0.0067	-0.0067	-0.0044
16.44	-0.0114	-0.0136	-0.0140	-0.0100	-0.0090	-0.0064
20.51	-0.0162	-0.0178	-0.0183	-0.0411	-0.0116	-0.0077
20.46	-0.0174	-0.0188	-0.0193	-0.0422	-0.0111	-0.0078
20.47	-0.0175	-0.0181	-0.0190	-0.0426	-0.0114	-0.0075
27.05	-0.0403	-0.0403	-0.0386	-0.0598	-0.0279	-0.0239
34.69	-0.0599	-0.0571	-0.0516	-0.0740	-0.0343	-0.0290
34.53	-0.0604	-0.0578	-0.0520	-0.0749	-0.0346	-0.0291
34.53	-0.0602	-0.0577	-0.0525	-0.0755	-0.0345	-0.0295
39.70	-0.0708	-0.0661	-0.0500	-0.0835	-0.0404	-0.0346
45.90	-0.0831	-0.0773	-0.0705	-0.0926	-0.0476	-0.0421
45.65	-0.0829	-0.0771	-0.0696	-0.0919	-0.0483	-0.0420
45.62	-0.0827	-0.0770	-0.0695	-0.0927	-0.0480	-0.0430
50.10	-0.0910	-0.0844	-0.0763	-0.0991	-0.0528	-0.0476
53.47	-0.0967	-0.0905	-0.0810	-0.1040	-0.0573	-0.0508
53.29	-0.0961	-0.0911	-0.0816	-0.1040	-0.0579	-0.0516
53.21	-0.0964	-0.0897	-0.0806	-0.1037	-0.0583	-0.0520
50.49	-0.0963	-0.0890	-0.0799	-0.1021	-0.0559	-0.0504
46.14	-0.0907	-0.0845	-0.0754	-0.0983	-0.0525	-0.0470
46.13	-0.0906	-0.0846	-0.0759	-0.0980	-0.0525	-0.0471
44.97	-0.0885	-0.0821	-0.0735	-0.0970	-0.0520	-0.0449
38.98	-0.0823	-0.0763	-0.0679	-0.0909	-0.0458	-0.0394
33.99	-0.0760	-0.0705	-0.0629	-0.0847	-0.0411	-0.0357
33.96	-0.0770	-0.0707	-0.0621	-0.0858	-0.0407	-0.0347
26.83	-0.0683	-0.0625	-0.0556	-0.0781	-0.0342	-0.0282
21.88	-0.0609	-0.0562	-0.0493	-0.0714	-0.0296	-0.0230
21.90	-0.0612	-0.0558	-0.0495	-0.0727	-0.0293	-0.0231
16.69	-0.0506	-0.0468	-0.0410	-0.0637	-0.0243	-0.0181
11.74	-0.0399	-0.0369	-0.0327	-0.0553	-0.0194	-0.0136
11.77	-0.0399	-0.0360	-0.0325	-0.0551	-0.0188	-0.0145
5.05	-0.0244	-0.0229	-0.0205	-0.0438	-0.0112	-0.0084
0.02	-0.0129	-0.0135	-0.0130	-0.0358	-0.0073	-0.0037
-0.04	-0.0113	-0.0114	-0.0111	-0.0336	-0.0070	-0.0030
-0.02	-0.0108	-0.0101	-0.0107	-0.0338	-0.0054	-0.0028
-0.02	-0.0105	-0.0116	-0.0110	-0.0336	-0.0057	-0.0028
0.02	-0.0105	-0.0111	-0.0108	-0.0341	-0.0048	-0.0009

REINFORCED CONCRETE TEST DATA

STRIP 8 CHANNELS 386, 387, 388, 389, 2240, 2241

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	-0.0112	-0.0110	-0.0100	-0.0101	-0.0077	-0.0071
19.55	-0.0230	-0.0222	-0.0211	-0.0209	-0.0167	-0.0158
29.57	-0.0401	-0.0382	-0.0355	-0.0347	-0.0265	-0.0251
39.42	-0.0573	-0.0531	-0.0487	-0.0489	-0.0368	-0.0343
49.16	-0.0723	-0.0675	-0.0612	-0.0608	-0.0464	-0.0436
54.50	-0.0788	-0.0748	-0.0676	-0.0678	-0.0515	-0.0484
59.57	-0.0891	-0.0835	-0.0755	-0.0759	-0.0573	-0.0535
64.20	-0.0988	-0.0920	-0.0837	-0.0829	-0.0623	-0.0577
69.32	-0.1082	-0.1009	-0.0899	-0.0908	-0.0672	-0.0620
74.16	-0.1109	-0.1039	-0.0937	-0.0936	-0.0702	-0.0650
80.16	-0.1167	-0.1102	-0.0986	-0.0992	-0.0748	-0.0692
85.61	-0.1200	-0.1135	-0.1019	-0.1017	-0.0770	-0.0710
90.58	-0.1223	-0.1170	-0.1042	-0.1038	-0.0793	-0.0730
95.69	-0.1249	-0.1181	-0.1062	-0.1066	-0.0814	-0.0751
100.92	-0.1259	-0.1199	-0.1085	-0.1081	-0.0834	-0.0771
103.25	-0.1318	-0.1249	-0.1129	-0.1122	-0.0854	-0.0784
106.11	-0.1303	-0.1243	-0.1126	-0.1126	-0.0866	-0.0798
108.31	-0.1303	-0.1249	-0.1132	-0.1134	-0.0875	-0.0807
111.08	-0.1336	-0.1278	-0.1155	-0.1159	-0.0892	-0.0821
113.24	-0.1334	-0.1277	-0.1160	-0.1161	-0.0902	-0.0831
117.83	-0.1328	-0.1285	-0.1173	-0.1169	-0.0921	-0.0851
120.9	-0.1414	-0.1356	-0.1234	-0.1232	-0.0955	-0.0878
123.28	-0.1447	-0.1388	-0.1254	-0.1253	-0.0973	-0.0890
122.97	-0.1425	-0.1369	-0.1248	-0.1242	-0.0967	-0.0883
125.82	-0.1438	-0.1377	-0.1257	-0.1256	-0.0994	-0.0912
125.60	-0.1416	-0.1368	-0.1247	-0.1248	-0.0987	-0.0900
127.84	-0.1538	-0.1461	-0.1327	-0.1329	-0.1016	-0.0920
130.19	-0.1505	-0.1452	-0.1322	-0.1324	-0.1027	-0.0932
132.53	-0.1570	-0.1507	-0.1368	-0.1370	-0.1052	-0.0950
135.33	-0.1574	-0.2040	-0.1348	-0.1346	-0.1085	-0.0976
134.42	-0.1528	-0.2009	-0.1324	-0.1327	-0.1070	-0.0959
138.35	-0.1627	-0.2353	-0.1416	-0.1414	-0.1137	-0.1014
140.16	-0.1666	-0.2507	-0.1410	-0.1409	-0.1107	-0.1019
142.63	-0.2399	-0.2555	-0.1461	-0.1447	-0.1126	-0.1030
145.78	-0.3123	-0.2955	-0.1592	-0.1597	-0.1223	-0.1105
142.52	-0.3158	-0.2990	-0.1595	-0.1595	-0.1144	-0.1046
0.22	-0.0603	-0.0643	0.0266	0.0274	0.0067	0.0000

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0008 (RESULTS OF HPT)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

LOCAL STRAIN GAGE AT E0-A
 GAGE ST0008L01 (CH 0386)

AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0008L02 (CH 0387)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

LOCAL STRAIN GAGE AT EO-A
 GAGE ST0008L03 (CH 0388)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0008L05 (CH 0389)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

LOCAL STRAIN GAGE AT EO-A
 GAGE ST0008L07 (CH 2240)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0008L10 (CH 2241)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

REINFORCED CONCRETE TEST DATA

STRIP 9 CHANNELS 2242, 2243, 2244, 2245, 2246, 2247

STRUCTURAL INTEGRITY TEST

Pressure Psig	Gage 1 %Strain	Gage 2 %Strain	Gage 3 %Strain	Gage 5 %Strain	Gage 7 %Strain	Gage 10 %Strain
0.05	0.0018	0.0005	-0.0015	-0.0010	0.0012	-0.0022
5.33	-0.0020	0.0004	-0.0023	-0.0007	0.0001	-0.0012
12.31	-0.0015	-0.0003	-0.0027	-0.0016	0.0000	-0.0017
16.44	-0.0011	-0.0005	-0.0043	-0.0021	-0.0004	-0.0014
20.51	-0.0015	0.0003	-0.0073	-0.0032	-0.0002	-0.0016
20.46	-0.0004	-0.0003	-0.0087	-0.0037	-0.0003	-0.0014
20.47	-0.0015	0.0001	-0.0182	-0.0057	0.0008	-0.0016
27.05	-0.0021	-0.0006	-0.0160	-0.0057	-0.0011	-0.0021
34.69	-0.0033	-0.0012	-0.0174	-0.0087	-0.0031	-0.0052
34.73	0.0140	-0.0010	-0.0028	-0.0098	-0.0029	-0.0056
34.50	0.0141	-0.0015	-0.0027	-0.0098	-0.0033	-0.0054
39.70	0.0144	-0.0011	-0.0027	-0.0094	-0.0039	-0.0065
45.90	0.0041	-0.0020	-0.0025	-0.0091	-0.0050	-0.0079
45.65	-0.0042	-0.0030	-0.0104	-0.0079	-0.0062	-0.0083
45.62	-0.0040	-0.0028	-0.0109	-0.0071	-0.0052	-0.0088
50.10	-0.0038	-0.0028	-0.0098	-0.0069	-0.0064	-0.0094
53.47	-0.0052	-0.0029	-0.0087	-0.0073	-0.0066	-0.0103
53.29	0.0187	-0.0023	-0.0097	-0.0068	-0.0069	-0.0104
53.21	0.0174	-0.0037	-0.0062	-0.0070	-0.0071	-0.0100
50.43	0.0165	-0.0041	-0.0073	-0.0061	-0.0069	-0.0102
40.14	0.0161	-0.0043	-0.0070	-0.0063	-0.0074	-0.0100
46.13	0.0158	-0.0035	-0.0075	-0.0074	-0.0068	-0.0103
44.97	0.0301	-0.0031	-0.0113	-0.0107	-0.0060	-0.0084
38.98	-0.0021	-0.0030	-0.0142	-0.0104	-0.0063	-0.0089
33.99	-0.0044	-0.0030	-0.0153	-0.0113	-0.0062	-0.0091
33.96	-0.0060	-0.0029	-0.0180	-0.0119	-0.0062	-0.0084
26.83	-0.0060	-0.0033	-0.0182	-0.0128	-0.0050	-0.0087
21.88	-0.0032	-0.0027	-0.0171	-0.0130	-0.0040	-0.0077
21.90	-0.0010	-0.0017	-0.0107	-0.0141	-0.0046	-0.0075
16.59	-0.0002	-0.0010	-0.0090	-0.0136	-0.0031	-0.0066
11.74	0.0010	-0.0013	-0.0084	-0.0122	-0.0026	-0.0058
11.77	-0.0019	-0.0013	-0.0096	-0.0095	-0.0032	-0.0057
5.05	0.0013	-0.0012	-0.0123	-0.0083	-0.0026	-0.0047
0.02	0.0014	-0.0006	-0.0156	-0.0075	-0.0015	-0.0033
-0.04	-0.0022	-0.0014	-0.0196	0.0018	-0.0017	-0.0026
-0.02	-0.0021	-0.0008	-0.0204	0.0005	-0.0012	-0.0033
-0.02	-0.0016	-0.0013	-0.0197	0.0004	-0.0017	-0.0026
0.02	-0.0007	-0.0006	-0.0203	-0.0096	-0.0006	-0.0031

REINFORCED CONCRETE TEST DATA

STRIP 9 CHANNELS 2242, 2243, 2244, 2245, 2246, 2247

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0001	0.0004	0.0007	0.0002	0.0002	0.0003
19.55	0.0017	0.0019	0.0019	0.0004	-0.0001	-0.0007
29.57	0.0031	0.0031	0.0029	0.0006	-0.0007	-0.0019
39.42	0.0048	0.0046	0.0038	0.0011	-0.0008	-0.0025
49.16	0.0073	0.0065	0.0055	0.0020	-0.0003	-0.0026
54.50	0.0085	0.0078	0.0064	0.0025	-0.0003	-0.0023
59.57	0.0099	0.0091	0.0076	0.0125	0.0003	-0.0025
64.20	0.0108	0.0109	0.0091	0.0319	0.0010	-0.0015
69.32	0.0134	0.0129	0.0108	0.0354	0.0017	-0.0014
74.16	0.0157	0.0152	0.0124	0.0476	0.0027	-0.0008
80.16	0.0170	0.0167	0.0138	-0.0007	0.0024	-0.0015
85.61	0.0199	0.0194	0.0159	0.0008	0.0035	-0.0011
90.58	0.0228	0.0216	0.0181	0.0020	0.0043	-0.0004
95.69	0.0258	0.0247	0.0204	0.0040	0.0053	0.0001
100.92	0.0293	0.0278	0.0231	0.0056	0.0065	0.0005
103.25	0.0308	0.0292	0.0243	0.0069	0.0069	0.0007
106.11	0.0328	0.0310	0.0256	0.0079	0.0076	0.0010
108.31	0.0343	0.0324	0.0269	0.0087	0.0060	0.0012
111.08	0.0368	0.0345	0.0285	0.0099	0.0088	0.0016
113.24	0.0385	0.0362	0.0298	0.0107	0.0093	0.0017
117.83	0.0433	0.0401	0.0332	0.0130	0.0109	0.0021
120.92	0.0467	0.0431	0.0355	0.0144	0.0119	0.0027
123.28	0.0497	0.0457	0.0378	0.0157	0.0128	0.0031
122.97	0.0501	0.0462	0.0383	0.0178	0.0131	0.0032
125.82	0.0531	0.0489	0.0403	0.0270	0.0141	0.0036
125.60	0.0535	0.0495	0.0411	0.0361	0.0144	0.0035
127.84	0.0555	0.0514	0.0426	0.0440	0.0151	0.0038
130.19	0.0580	0.0536	0.0444	0.0532	0.0155	0.0035
132.53	0.0606	0.0560	0.0463	0.0568	0.0160	0.0029
135.33	0.0635	0.0586	0.0481	0.0595	0.0159	0.0016
134.42	0.0632	0.0587	0.0479	0.0573	0.0158	0.0012
138.25	0.0652	0.0616	0.0503	0.0531	0.0157	-0.0001
140.16	0.0664	0.0630	0.0511	0.0537	0.0147	-0.0021
142.63	0.0694	0.0649	0.0524	0.0522	0.0134	-0.0041
145.78	0.0732	0.0677	0.0544	0.0514	0.0125	-0.0063
142.52	0.0735	0.0676	0.0540	0.0249	0.0114	-0.0076
0.22	-0.0024	0.0030	0.0010	-0.0213	-0.0045	-0.0044

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009 (RESULTS OF HPT)
 AZ = 269.95 DEGREES Z = 0.0 FT 3.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009L01 (CH 2242)
 AZ = 269.95 DEGRFS Z = 0.0 FT 3.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009L02 (CH 2243)
 AZ = 269.95 DEGREES Z = 0.0 FT 3.2 IN.

Pressure (psig)-Channel #2

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009L03 (CH 2244)
 AZ = 269.95 DEGREES Z = 0.0 FT 3.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009L05 (CH 2245)
 AZ = 269.95 DEGREES Z = 0.0 FT 3.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009L07 (CH 2246)
 AZ = 269.95 DEGREES Z = 0.0 FT 3.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0009L10 (CH 2247)
 AZ = 269.95 DEGREES Z = 0.0 FT 3.2 IN.

REINFORCED CONCRETE TEST DATA

STRIP 10 CHANNELS 2248, 2249, 2260, 2261, 2262, 2263

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0020	-0.0023	-0.0008	0.0006	-0.0018	0.0012
5.33	0.0008	-0.0023	-0.0003	-0.0014	-0.0021	-0.0004
12.31	0.0005	-0.0024	0.0002	-0.0022	-0.0024	-0.0010
16.44	0.0005	-0.0014	0.0007	0.0007	-0.0051	0.0004
20.51	0.0009	-0.0026	0.0012	-0.0002	-0.0129	0.0003
20.46	-0.0005	-0.0019	0.0004	0.0000	-0.0141	-0.0009
20.47	-0.0007	-0.0025	-0.0012	-0.0006	-0.0166	-0.0004
27.05	-0.0006	-0.0026	0.0007	-0.0009	-0.0165	0.0000
34.69	-0.0009	-0.0036	0.0005	0.0000	-0.0165	0.0000
34.53	-0.0040	-0.0060	-0.0027	-0.0027	-0.0222	-0.0027
34.53	-0.0043	-0.0056	-0.0032	-0.0023	-0.0223	-0.0038
39.70	-0.0034	-0.0059	-0.0019	-0.0032	-0.0209	-0.0037
45.90	-0.0019	-0.0041	0.0003	-0.0005	-0.0186	-0.0013
45.65	0.0000	-0.0011	0.0020	0.0011	-0.0159	0.0000
45.62	0.0012	-0.0015	0.0036	0.0023	-0.0161	0.0014
50.10	0.0012	-0.0011	0.0025	0.0027	-0.0152	0.0018
53.47	0.0011	-0.0016	0.0026	0.0025	-0.0151	0.0014
53.29	0.0011	-0.0005	0.0033	0.0033	-0.0149	0.0016
53.21	0.0012	-0.0006	0.0040	0.0023	-0.0146	0.0024
50.49	0.0018	0.0001	0.0030	0.0029	-0.0142	0.0025
46.14	0.0019	-0.0003	0.0034	0.0037	-0.0144	0.0027
46.13	0.0027	0.0003	0.0037	0.0037	-0.0139	0.0029
44.97	0.0007	-0.0007	0.0025	0.0016	-0.0161	0.0018
38.98	0.0006	-0.0016	0.0021	0.0012	-0.0162	0.0015
33.99	0.0017	-0.0023	0.0024	0.0020	-0.0171	0.0016
33.96	0.0005	-0.0012	0.0020	0.0014	-0.0172	0.0007
26.83	-0.0003	-0.0025	0.0007	0.0003	-0.0188	-0.0001
21.88	-0.0002	-0.0029	0.0002	0.0005	-0.0195	-0.0003
21.90	-0.0026	-0.0041	-0.0009	-0.0022	-0.0213	-0.0029
16.69	-0.0034	-0.0053	-0.0030	-0.0018	-0.0218	-0.0023
11.74	-0.0025	-0.0053	-0.0012	-0.0019	-0.0213	-0.0023
11.77	-0.0001	-0.0034	0.0015	0.0000	-0.0188	-0.0009
5.05	0.0008	-0.0024	0.0018	0.0011	-0.0183	0.0001
0.02	0.0013	-0.0018	0.0024	0.0016	-0.0163	0.0001
-0.04	0.0020	0.0001	0.0042	0.0031	-0.0135	0.0020
-0.02	0.0025	-0.0003	0.0035	0.0034	-0.0149	0.0015
-0.02	0.0017	-0.0001	0.0033	0.0026	-0.0150	0.0014
0.02	0.0008	-0.0008	0.0021	0.0026	-0.0175	0.0013

REINFORCED CONCRETE TEST DATA

STRIP 10 CHANNELS 2248, 2249, 2260, 2261, 2262, 2263

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0009	0.0012	0.0013	0.0011	0.0004	0.0007
19.55	0.0009	0.0009	0.0013	0.0011	0.0006	0.0011
29.57	0.0012	0.0013	0.0014	0.0019	0.0011	0.0017
39.42	0.0020	0.0023	0.0023	0.0028	0.0020	0.0024
49.16	0.0032	0.0038	0.0035	0.0042	0.0033	0.0038
54.50	0.0034	0.0042	0.0034	0.0046	0.0033	0.0045
59.57	0.0036	0.0042	0.0035	0.0048	-0.0026	0.0041
64.20	0.0027	0.0034	0.0027	0.0041	-0.0067	0.0042
69.32	0.0016	0.0025	0.0017	0.0033	-0.0078	0.0034
74.16	-0.0001	0.0009	0.0006	0.0023	-0.0104	0.0028
80.16	-0.0014	-0.0005	-0.0005	0.0015	-0.0139	0.0009
85.61	-0.0028	-0.0019	-0.0018	0.0000	-0.0256	0.0002
90.58	-0.0042	-0.0032	-0.0031	-0.0011	-0.0273	-0.0007
95.69	-0.0056	-0.0047	-0.0049	-0.0025	-0.0288	-0.0018
100.92	-0.0068	-0.0059	-0.0066	-0.0041	-0.0302	-0.0029
103.25	-0.0076	-0.0066	-0.0073	-0.0047	-0.0312	-0.0034
106.11	-0.0085	-0.0077	-0.0082	-0.0054	-0.0319	-0.0040
108.31	-0.0093	-0.0085	-0.0092	-0.0064	-0.0325	-0.0044
111.08	-0.0103	-0.0095	-0.0101	-0.0075	-0.0334	-0.0053
113.24	-0.0110	-0.0102	-0.0109	-0.0083	-0.0344	-0.0058
117.83	-0.0130	-0.0123	-0.0134	-0.0102	-0.0361	-0.0073
120.92	-0.0145	-0.0137	-0.0148	-0.0120	-0.0374	-0.0084
123.28	-0.0156	-0.0153	-0.0158	-0.0127	-0.0387	-0.0089
122.97	-0.0150	-0.0146	-0.0160	-0.0132	-0.0392	-0.0089
125.82	-0.0167	-0.0164	-0.0167	-0.0137	-0.0403	-0.0095
125.60	-0.0161	-0.0161	-0.0171	-0.0141	-0.0413	-0.0099
127.84	-0.0166	-0.0165	-0.0183	-0.0154	-0.0426	-0.0107
130.19	-0.0177	-0.0179	-0.0195	-0.0165	-0.0442	-0.0115
132.53	-0.0191	-0.0197	-0.0208	-0.0180	-0.0456	-0.0121
135.33	-0.0210	-0.0219	-0.0220	-0.0193	-0.0477	-0.0133
134.42	-0.0215	-0.0226	-0.0218	-0.0191	-0.0497	-0.0125
138.35	-0.0238	-0.0255	-0.0233	-0.0206	-0.0519	-0.0139
140.16	-0.0255	-0.0278	-0.0252	-0.0228	-0.0530	-0.0145
142.63	-0.0259	-0.0287	-0.0271	-0.0246	-0.0548	-0.0172
145.78	-0.0280	-0.0313	-0.0295	-0.0271	-0.0565	-0.0192
142.52	-0.0278	-0.0310	-0.0294	-0.0271	-0.0561	-0.0192
0.22	0.0037	0.0021	0.0053	0.0030	-0.0331	0.0024

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0010 (RESULTS OF HPT)
 AZ = 269.95 DEGREES Z = 2 FT 1.2 IN.

LOCAL STRAIN GAGE AT E0-B
 GAGE ST0010L01 (CH 2248)
 AZ = 269.95 DEGREES Z = 2 FT 1.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0010L02 (CH 2249)
 AZ = 269.95 DEGREES Z = 2 FT 1.2 IN.

LOCAL STRAIN GAGE AT E0-B
 GAGE S70010103 (CH 2260)
 AZ = 359.95 DEGREES L = 2 FT 1.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0010L05 (CH 2261)
 AZ = 269.95 DEGREES Z = 2 FT 1.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0010L07 (CH 2262)
 AZ = 269.95 DEGREES Z = 2 FT 1.2 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE S70010L10 (CH 2263)
 AZ = 269.95 DEGREES Z = 2 FT 1.2 IN.

REINFORCED CONCRETE TEST DATA

STRIP 11 CHANNELS 2264, 2265, 2266, 2267, 2268, 2269

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0005	0.0001	0.0016	0.0003	-0.0003	0.0003
5.33	-0.0031	-0.0018	-0.0018	-0.0008	-0.0008	-0.0017
12.31	-0.0050	-0.0040	-0.0036	-0.0030	-0.0032	-0.0028
16.44	-0.0066	-0.0059	-0.0060	-0.0055	-0.0041	-0.0044
20.51	-0.0093	-0.0082	-0.0084	-0.0078	-0.0072	-0.0064
20.46	-0.0095	-0.0098	-0.0084	-0.0090	-0.0078	-0.0068
20.47	-0.0101	-0.0095	-0.0093	-0.0100	-0.0072	-0.0067
27.05	-0.0164	-0.0149	-0.0149	-0.0147	-0.0113	-0.0095
34.69	-0.0204	-0.0192	-0.0185	-0.0186	-0.0128	-0.0102
34.53	-0.0203	-0.0190	-0.0187	-0.0517	-0.0125	-0.0103
34.53	-0.0202	-0.0199	-0.0188	-0.0533	-0.0114	-0.0106
39.70	-0.0274	-0.0268	-0.0256	-0.0591	-0.0187	-0.0169
45.90	-0.0375	-0.0349	-0.0332	-0.0640	-0.0251	-0.0229
45.65	-0.0383	-0.0361	-0.0336	-0.0668	-0.0255	-0.0227
45.62	-0.0385	-0.0362	-0.0335	-0.0679	-0.0252	-0.0235
50.10	-0.0435	-0.0405	-0.0371	-0.0707	-0.0267	-0.0239
53.47	-0.0470	-0.0438	-0.0396	-0.0733	-0.0289	-0.0252
53.29	-0.0474	-0.0443	-0.0399	-0.0733	-0.0291	-0.0253
53.21	-0.0485	-0.0445	-0.0401	-0.0730	-0.0284	-0.0256
50.49	-0.0482	-0.0432	-0.0394	-0.0720	-0.0276	-0.0249
46.14	-0.0462	-0.0410	-0.0381	-0.0700	-0.0263	-0.0232
46.13	-0.0463	-0.0418	-0.0371	-0.0707	-0.0259	-0.0233
44.97	-0.0446	-0.0392	-0.0360	-0.0703	-0.0248	-0.0223
38.98	-0.0427	-0.0373	-0.0342	-0.0684	-0.0225	-0.0203
33.99	-0.0406	-0.0359	-0.0311	-0.0673	-0.0203	-0.0179
33.96	-0.0401	-0.0360	-0.0319	-0.0669	-0.0209	-0.0178
26.83	-0.0377	-0.0329	-0.0285	-0.0640	-0.0179	-0.0154
21.88	-0.0359	-0.0306	-0.0265	-0.0621	-0.0156	-0.0139
21.90	-0.0358	-0.0304	-0.0268	-0.0639	-0.0157	-0.0137
16.69	-0.0333	-0.0278	-0.0236	-0.0625	-0.0130	-0.0128
11.74	-0.0308	-0.0252	-0.0218	-0.0596	-0.0122	-0.0113
11.77	-0.0310	-0.0256	-0.0219	-0.0595	-0.0120	-0.0114
5.05	-0.0272	-0.0225	-0.0181	-0.0575	-0.0099	-0.0093
0.02	-0.0236	-0.0183	-0.0158	-0.0547	-0.0081	-0.0080
-0.04	-0.0222	-0.0169	-0.0141	-0.0552	-0.0069	-0.0077
-0.02	-0.0220	-0.0171	-0.0143	-0.0547	-0.0070	-0.0069
-0.02	-0.0210	-0.0175	-0.0141	-0.0550	-0.0067	-0.0063
0.02	-0.0213	-0.0171	-0.0132	-0.0569	-0.0062	-0.0067

REINFORCED CONCRETE TEST DATA

STRIP 11 CHANNELS 2264, 2265, 2266, 2267, 2268, 2269

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	XStrain	XStrain	XStrain	XStrain	XStrain	XStrain
9.89	-0.0031	-0.0033	-0.0034	-0.0032	-0.0028	-0.0026
19.55	-0.0069	-0.0073	-0.0072	-0.0068	-0.0058	-0.0054
29.57	-0.0114	-0.0118	-0.0117	-0.0107	-0.0091	-0.0084
39.42	-0.0179	-0.0178	-0.0170	-0.0151	-0.0127	-0.0116
49.16	-0.0242	-0.0237	-0.0225	-0.0194	-0.0171	-0.0155
54.50	-0.0280	-0.0272	-0.0255	-0.0223	-0.0199	-0.0181
59.57	-0.0326	-0.0312	-0.0290	-0.0257	-0.0223	-0.0204
64.20	-0.0390	-0.0356	-0.0323	-0.0305	-0.0261	-0.0238
69.32	-0.0451	-0.0401	-0.0357	-0.0344	-0.0290	-0.0267
74.16	-0.0507	-0.0440	-0.0384	-0.0463	-0.0327	-0.0297
80.16	-0.0591	-0.0506	-0.0429	-0.0507	-0.0346	-0.0328
85.61	-0.0654	-0.0553	-0.0462	-0.0538	-0.0375	-0.0353
90.58	-0.0707	-0.0593	-0.0487	-0.0564	-0.0398	-0.0376
95.69	-0.0763	-0.0634	-0.0511	-0.0588	-0.0420	-0.0396
100.92	-0.0820	-0.0676	-0.0537	-0.0614	-0.0442	-0.0418
103.25	-0.0848	-0.0698	-0.0548	-0.0626	-0.0452	-0.0427
106.11	-0.0875	-0.0719	-0.0559	-0.0638	-0.0463	-0.0437
108.31	-0.0894	-0.0733	-0.0566	-0.0646	-0.0470	-0.0442
111.08	-0.0919	-0.0753	-0.0576	-0.0656	-0.0481	-0.0451
113.24	-0.0938	-0.0767	-0.0583	-0.0665	-0.0488	-0.0457
117.83	-0.0975	-0.0793	-0.0598	-0.0680	-0.0502	-0.0469
120.92	-0.1005	-0.0816	-0.0609	-0.0692	-0.0511	-0.0476
123.28	-0.1031	-0.0834	-0.0615	-0.0701	-0.0522	-0.0485
122.97	-0.1027	-0.0828	-0.0608	-0.0696	-0.0524	-0.0488
125.82	-0.1058	-0.0851	-0.0622	-0.0711	-0.0534	-0.0495
125.60	-0.1060	-0.0851	-0.0618	-0.0713	-0.0531	-0.0491
127.84	-0.1090	-0.0874	-0.0636	-0.0730	-0.0541	-0.0500
130.19	-0.1130	-0.0903	-0.0650	-0.0747	-0.0558	-0.0513
132.53	-0.1178	-0.0939	-0.0670	-0.0767	-0.0576	-0.0526
135.33	-0.1229	-0.0980	-0.0695	-0.0792	-0.0592	-0.0539
134.42	-0.1223	-0.0975	-0.0688	-0.0805	-0.0594	-0.0539
138.35	-0.1298	-0.1036	-0.0726	-0.0858	-0.0616	-0.0556
140.16	-0.1355	-0.1074	-0.0742	-0.0866	-0.0641	-0.0577
142.63	-0.1440	-0.1135	-0.0782	-0.0900	-0.0644	-0.0581
145.78	-0.1539	-0.1208	-0.0824	-0.0934	-0.0683	-0.0605
142.52	-0.1517	-0.1176	-0.0789	-0.0890	-0.0635	-0.0566
0.22	-0.0461	-0.0209	-0.0028	-0.0190	-0.0014	-0.0055

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0011 (RESULTS OF HPT)
 AZ = 359.62 DEGREES Z = 0.0 FT 5.3 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0011L01 (CH 2264)
 AZ = 359.62 DEGREES Z = 0.0 FT 5.3 IN.

LOCAL STRAIN GAGE AT E0-B
 GAGE ST0011L02 (CH 2265)
 AZ = 359.62 DEGREES Z = 0.0 FT 5.3 IN.

LOCAL STRAIN GAGE AT E0-B
 GAGE ST0011L03 (CH 2266)
 AZ = 359.62 DEGREES Z = 0.0 FT 5.3 IN.

LOCAL STRAIN GAGE AT E0-B
 GAGE ST0011L05 (CH 2267)
 $\Delta Z = 359.62$ DEGREES $Z = 0.0$ FT 5.3 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST00111L07 (CH 2268)

AZ = 359.62 DEGREES Z = 0.0 FT 5.3 IN.

Pressure (psig) - Channel #2

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0011L10 (CH 2269)

AZ = 359.62 DEGREES Z = 0.0 FT 5.3 IN.

REINFORCED CONCRETE TEST DATA

STRIP 12 CHANNELS 2280, 2281, 2282, 2283, 2284, 2285

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	XStrain	XStrain	XStrain	XStrain	XStrain	XStrain
-0.05	0.0011	0.0000	0.0005	0.0009	0.0009	0.0001
5.33	0.0011	-0.0021	0.0000	-0.0002	-0.0012	-0.0010
12.31	0.0000	-0.0019	-0.0007	-0.0003	0.0011	-0.0036
16.44	0.0000	-0.0027	-0.0008	-0.0005	-0.0010	-0.0046
20.51	-0.0020	-0.0033	-0.0012	-0.0018	-0.0006	-0.0053
20.46	-0.0019	-0.0035	-0.0020	-0.0015	-0.0012	-0.0044
20.47	-0.0023	-0.0041	-0.0023	-0.0012	-0.0012	-0.0038
27.05	-0.0028	-0.0061	-0.0040	-0.0035	-0.0038	-0.0045
34.69	-0.0029	-0.0057	-0.0040	-0.0042	-0.0039	-0.0048
34.53	-0.0022	-0.0061	-0.0048	-0.0052	-0.0044	-0.0062
34.53	-0.0027	-0.0059	-0.0061	-0.0053	-0.0051	-0.0046
39.70	-0.0026	-0.0062	-0.0066	-0.0066	-0.0067	-0.0042
45.00	-0.0021	-0.0064	-0.0070	-0.0071	-0.0065	-0.0026
45.65	-0.0055	-0.0056	-0.0057	-0.0068	-0.0049	0.0010
45.62	-0.0046	-0.0045	-0.0058	-0.0059	-0.0050	-0.0010
50.10	-0.0034	-0.0041	-0.0047	-0.0058	-0.0046	0.0001
53.47	-0.0032	-0.0040	-0.0047	-0.0060	-0.0048	0.0006
53.29	-0.0028	-0.0039	-0.0048	-0.0050	-0.0047	0.0018
53.21	-0.0022	-0.0039	-0.0049	-0.0054	-0.0044	0.0014
50.49	-0.0027	-0.0032	-0.0028	-0.0042	-0.0042	0.0034
46.14	-0.0001	-0.0027	-0.0023	-0.0034	-0.0028	0.0032
46.13	-0.0005	-0.0022	0.0029	-0.0032	-0.0033	0.0042
44.97	0.0004	-0.0004	-0.0005	-0.0010	-0.0001	-0.0017
38.68	0.0011	0.0001	-0.0001	0.0003	-0.0004	-0.0055
23.95	0.0007	-0.0006	0.0003	0.0010	0.0008	-0.0053
33.96	0.0001	-0.0006	-0.0004	0.0009	0.0005	-0.0039
26.83	0.0002	-0.0011	-0.0006	0.0007	0.0001	-0.0030
21.88	0.0012	-0.0014	0.0001	-0.0004	0.0005	-0.0032
21.90	-0.0003	-0.0023	-0.0014	-0.0016	-0.0006	-0.0032
16.69	-0.0001	-0.0022	-0.0019	-0.0012	-0.0016	-0.0022
11.74	-0.0002	-0.0024	-0.0018	-0.0029	-0.0024	-0.0020
11.77	0.0005	-0.0022	-0.0017	-0.0029	-0.0022	-0.0005
5.05	0.0011	-0.0006	-0.0019	-0.0018	-0.0016	0.0004
0.02	0.0024	-0.0014	-0.0011	-0.0022	-0.0020	0.0014
-0.04	0.0009	0.0008	0.0010	0.0013	0.0000	0.0041
-0.02	0.0028	0.0015	0.0021	0.0012	0.0003	-0.0010
-0.02	0.0029	0.0013	0.0025	0.0006	0.0009	-0.0032
0.02	0.0021	0.0020	0.0010	0.0013	0.0016	-0.0039

IMAGE EVALUATION TEST TARGET (MT-3)

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24

REDUCTION

REINFORCED CONCRETE TEST DATA

STRIP 12 CHANNELS 2280,2281,2282,2283,2284,2285

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0002	0.0001	-0.0001	-0.0002	0.0000	-0.0004
19.55	0.0012	0.0009	0.0007	0.0007	0.0010	0.0004
29.57	0.0020	0.0017	0.0018	0.0020	0.0023	0.0014
39.42	0.0031	0.0031	0.0031	0.0035	0.0039	0.0024
49.16	0.0042	0.0043	0.0042	0.0047	0.0053	0.0034
54.50	0.0046	0.0047	0.0046	0.0050	0.0054	0.0033
59.57	0.0047	0.0047	0.0047	0.0047	0.0052	0.0031
64.20	0.0042	0.0037	0.0037	0.0033	0.0034	0.0013
69.32	0.0035	0.0031	0.0027	0.0020	0.0020	-0.0002
74.16	0.0027	0.0021	0.0018	0.0009	0.0007	-0.0010
80.16	0.0024	0.0011	0.0005	-0.0012	-0.0016	-0.0027
85.61	0.0017	0.0002	-0.0004	-0.0024	-0.0029	-0.0037
90.56	0.0010	-0.0005	-0.0014	-0.0035	-0.0037	-0.0045
95.69	0.0005	-0.0014	-0.0022	-0.0046	-0.0049	-0.0053
100.92	-0.0001	-0.0022	-0.0031	-0.0056	-0.0059	-0.0060
103.25	-0.0003	-0.0026	-0.0035	-0.0061	-0.0065	-0.0062
106.11	-0.0007	-0.0030	-0.0038	-0.0065	-0.0070	-0.0066
108.31	-0.0009	-0.0031	-0.0042	-0.0069	-0.0072	-0.0068
111.08	-0.0011	-0.0036	-0.0045	-0.0073	-0.0077	-0.0071
113.24	-0.0013	-0.0039	-0.0048	-0.0076	-0.0080	-0.0073
117.83	-0.0013	-0.0041	-0.0052	-0.0079	-0.0083	-0.0076
120.92	-0.0017	-0.0045	-0.0055	-0.0083	-0.0087	-0.0077
123.28	-0.0014	-0.0045	-0.0055	-0.0082	-0.0085	-0.0073
122.97	-0.0004	-0.0041	-0.0050	-0.0076	-0.0081	-0.0063
125.82	-0.0002	-0.0044	-0.0055	-0.0079	-0.0082	-0.0060
125.60	0.0004	-0.0045	-0.0054	-0.0080	-0.0082	-0.0056
127.84	0.0004	-0.0047	-0.0056	-0.0082	-0.0084	-0.0056
130.19	0.0009	-0.0047	-0.0057	-0.0083	-0.0085	-0.0053
132.53	0.0012	-0.0045	-0.0057	-0.0083	-0.0085	-0.0052
135.33	0.0021	-0.0041	-0.0055	-0.0082	-0.0081	-0.0045
134.42	0.0030	-0.0034	-0.0050	-0.0075	-0.0074	-0.0039
138.35	0.0042	-0.0027	-0.0046	-0.0071	-0.0069	-0.0032
140.16	0.0053	-0.0017	-0.0040	-0.0067	-0.0061	-0.0024
142.63	0.0067	-0.0004	-0.0028	-0.0055	-0.0048	-0.0014
145.78	0.0073	0.0005	-0.0020	-0.0047	-0.0042	-0.0007
142.52	0.0100	0.0036	0.0010	-0.0018	-0.0016	0.0011
0.22	0.0163	0.0119	0.0098	0.0090	0.0097	0.0115

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012 (RESULTS OF HPT)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012L01 (CH 2280)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012L02 (CH 2281)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012L03 (CH 2282)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012L05 (CH 2283)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012L07 (CH 2284)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

LOCAL STRAIN GAGE AT EQ-B
 GAGE ST0012L10 (CH 2285)
 AZ = 359.47 DEGREES Z = 2 FT 1.8 IN.

REINFORCED CONCRETE TEST DATA

STRIP 13 CHANNELS 2286, 2287, 2288, 2289, 2300, 2301

STRUCTURAL INTEGRITY TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
-0.05	0.0005	0.0008	-0.000	0.0011	-0.0005	0.0000
5.33	-0.0038	-0.0008	-0.0029	-0.0018	0.0000	-0.0019
12.31	-0.0081	-0.0057	-0.0067	-0.0039	-0.0014	-0.0027
16.44	-0.0121	-0.0088	-0.0092	-0.0048	-0.0019	-0.0030
20.51	-0.0169	-0.0136	-0.0134	-0.0080	-0.0045	-0.0040
20.46	-0.0180	-0.0149	-0.0138	-0.0090	-0.0042	-0.0043
20.47	-0.0201	-0.0163	-0.0160	-0.0098	-0.0048	-0.0049
27.05	-0.0296	-0.0256	-0.0228	-0.0161	-0.0100	-0.0091
34.69	-0.0404	-0.0343	-0.0313	-0.0209	-0.0150	-0.0137
34.53	-0.0436	-0.0381	-0.0347	-0.0238	-0.0166	-0.0140
34.53	-0.0444	-0.0385	-0.0344	-0.0246	-0.0165	-0.0154
39.70	-0.0494	-0.0434	-0.0392	-0.0280	-0.0199	-0.0175
45.90	-0.0560	-0.0501	-0.0447	-0.0330	-0.0231	-0.0216
45.65	-0.0566	-0.0494	-0.0445	-0.0332	-0.0235	-0.0219
45.62	-0.0559	-0.0495	-0.0446	-0.0328	-0.0237	-0.0208
50.10	-0.0598	-0.0531	-0.0481	-0.0355	-0.0255	-0.0237
53.47	-0.0629	-0.0556	-0.0501	-0.0365	-0.0270	-0.0246
53.29	-0.0618	-0.0561	-0.0493	-0.0367	-0.0279	-0.0248
53.21	-0.0617	-0.0547	-0.0490	-0.0364	-0.0283	-0.0254
50.49	-0.0581	-0.0511	-0.0463	-0.0344	-0.0257	-0.0237
46.14	-0.0520	-0.0469	-0.0417	-0.0322	-0.0234	-0.0212
46.10	-0.0515	-0.0464	-0.0416	-0.0316	-0.0237	-0.0213
44.97	-0.0494	-0.0456	-0.0406	-0.0299	-0.0212	-0.0189
38.98	-0.0426	-0.0389	-0.0354	-0.0262	-0.0175	-0.0155
33.99	-0.0356	-0.0321	-0.0309	-0.0224	-0.0151	-0.0129
33.96	-0.0368	-0.0331	-0.0306	-0.0232	-0.0150	-0.0132
26.83	-0.0280	-0.0252	-0.0249	-0.0182	-0.0110	-0.0090
21.88	-0.0241	-0.0216	-0.0214	-0.0154	-0.0093	-0.0070
21.90	-0.0246	-0.0221	-0.0217	-0.0160	-0.0095	-0.0075
16.69	-0.0225	-0.0196	-0.0195	-0.0148	-0.0071	-0.0053
11.74	-0.0200	-0.0176	-0.0178	-0.0129	-0.0066	-0.0045
11.77	-0.0202	-0.0175	-0.0180	-0.0133	-0.0060	-0.0050
5.05	-0.0150	-0.0139	-0.0136	-0.0109	-0.0053	-0.0038
0.02	-0.0124	-0.0103	-0.0116	-0.0093	-0.0043	-0.0036
-0.04	-0.0110	-0.0087	-0.0092	-0.0086	-0.0020	-0.0033
-0.02	-0.0111	-0.0093	-0.0098	-0.0079	-0.0022	-0.0022
-0.02	-0.0118	-0.0093	-0.0104	-0.0083	-0.0015	-0.0028
0.02	-0.0112	-0.0100	-0.0097	-0.0080	-0.0016	-0.0018

REINFORCED CONCRETE TEST DATA

STRIP 13 CHANNELS 2286, 2287, 2288, 2289, 2300, 2301

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 5	Gage 7	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	-0.0072	-0.0068	-0.0058	-0.0034	-0.0022	-0.0012
19.55	-0.0160	-0.0148	-0.0128	-0.0085	-0.0061	-0.0039
29.57	-0.0252	-0.0241	-0.0209	-0.0142	-0.0109	-0.0079
39.42	-0.0357	-0.0332	-0.0283	-0.0197	-0.0158	-0.0123
49.16	-0.0449	-0.0416	-0.0353	-0.0252	-0.0207	-0.0169
54.50	-0.0497	-0.0466	-0.0399	-0.0230	-0.0223	-0.0192
59.57	-0.0531	-0.0501	-0.0428	-0.0304	-0.0259	-0.0213
64.20	-0.0552	-0.0523	-0.0449	-0.0314	-0.0265	-0.0218
69.32	-0.0576	-0.0547	-0.0470	-0.0331	-0.0281	-0.0231
74.16	-0.0585	-0.0558	-0.0478	-0.0335	-0.0284	-0.0235
80.16	-0.0572	-0.0551	-0.0473	-0.0350	-0.0287	-0.0253
85.61	-0.0559	-0.0540	-0.0461	-0.0340	-0.0283	-0.0252
90.58	-0.0541	-0.0522	-0.0446	-0.0328	-0.0274	-0.0250
95.69	-0.0518	-0.0498	-0.0424	-0.0311	-0.0265	-0.0247
100.92	-0.0486	-0.0467	-0.0393	-0.0283	-0.0253	-0.0242
103.25	-0.0461	-0.0447	-0.0375	-0.0275	-0.0245	-0.0238
106.11	-0.0454	-0.0438	-0.0364	-0.0268	-0.0239	-0.0238
108.31	-0.0441	-0.0424	-0.0355	-0.0250	-0.0233	-0.0234
111.08	-0.0419	-0.0404	-0.0334	-0.0242	-0.0224	-0.0230
113.24	-0.0408	-0.0393	-0.0324	-0.0235	-0.0215	-0.0225
117.83	-0.0370	-0.0354	-0.0257	-0.0206	-0.0196	-0.0217
120.92	-0.0345	-0.0329	-0.0255	-0.0187	-0.0179	-0.0205
123.28	-0.0311	-0.0306	-0.0244	-0.0170	-0.0158	-0.0192
122.97	-0.0316	-0.0300	-0.0236	-0.0160	-0.0158	-0.0196
125.82	-0.0288	-0.0274	-0.0216	-0.0143	-0.0135	-0.0181
125.60	-0.0280	-0.0269	-0.0205	-0.0137	-0.0134	-0.0181
127.84	-0.0257	-0.0246	-0.0189	-0.0117	-0.0125	-0.0175
130.19	-0.0225	-0.0215	-0.0160	-0.0099	-0.0112	-0.0161
132.53	-0.0180	-0.0172	-0.0119	-0.0063	-0.0080	-0.0144
135.33	-0.0130	-0.0121	-0.0073	-0.0028	-0.0047	-0.0103
134.42	-0.0125	-0.0116	-0.0065	-0.0021	-0.0032	-0.0108
138.35	-0.0072	-0.0059	-0.0017	0.0018	0.0002	-0.0086
140.16	-0.0028	-0.0014	0.0025	0.0044	0.0020	-0.0083
142.63	0.0021	0.0035	0.0071	0.0080	0.0032	-0.0082
145.78	0.0057	0.0075	0.0111	0.0110	0.0048	-0.0083
142.52	0.0225	0.0219	0.0231	0.0190	0.0111	-0.0030
0.22	0.1014	0.0921	0.0822	0.0628	0.0541	0.0464

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0013L01 (CH 2286)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0013L02 (CH 2287)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0013L03 (CH 2288)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0013L05 (CH 2289)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

LOCAL STRAIN GAGE AT E0-A
 GAGE ST0013L07 (CH 2300)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

LOCAL STRAIN GAGE AT EQ-A
 GAGE ST0013L10 (CH 2301)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

STRIP 14 CHANNELS 2364, 2365, 2366, 2367, 2368,
2369, 2380, 2381, 2382, 2383

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 4	Gage 5	Gage 6	Gage 7	Gage 8	Gage 9	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0188	0.0167	0.0155	0.0531	0.0133	0.0123	0.0113	0.0110	0.0109	0.0108
19.55	0.0301	0.0295	0.0276	0.0899	0.0244	0.0229	0.0213	0.0205	0.0213	0.0208
29.57	0.0411	0.0419	0.0394	0.1109	0.0356	0.0338	0.0323	0.0316	0.0335	0.0308
39.42	0.0503	0.0535	0.0506	0.1435	0.0467	0.0447	0.0427	0.0423	0.0456	0.0395
49.16	0.0588	0.0642	0.0609	0.1567	0.0568	0.0549	0.0527	0.0521	0.0574	0.0474
54.50	0.0640	0.0709	0.0672	0.2068	0.0635	0.0611	0.0586	0.0572	0.0645	0.0517
59.57	0.0685	0.0768	0.0729	0.2283	0.0692	0.0669	0.0640	0.0630	0.0716	0.0580
64.20	0.0713	0.0833	0.0789	0.2785	0.0752	0.0733	0.0699	0.0658	0.0787	0.0605
69.32	0.0738	0.0897	0.0849	0.3003	0.0808	0.0794	0.0761	0.0724	0.0862	0.0653
74.16	0.0764	0.0963	0.0913	0.4541	0.0864	0.0856	0.0821	0.0705	0.0932	0.0696
80.16	0.0776	0.0968	0.0914	-2.7574	0.0871	0.0889	0.0863	0.0639	0.0968	0.0702
85.61	0.0830	0.1035	0.0979	-2.7408	0.0934	0.0949	0.0930	0.0702	0.1040	0.0750
90.58	0.0871	0.1091	0.1032	-3.2192	0.0962	0.1001	0.0986	0.0760	0.1103	0.0791
95.69	0.0924	0.1162	0.1102	-3.0217	0.1048	0.1068	0.1053	0.0832	0.1172	0.0840
100.92	0.0993	0.1249	0.1187	-2.3605	0.1127	0.1148	0.1133	0.0912	0.1254	0.0905
103.25	0.1021	0.1286	0.1223	-2.3252	0.1159	0.1181	0.1170	0.0948	0.1285	0.0914
106.11	0.1049	0.1319	0.1253	-3.0768	0.1189	0.1214	0.1204	0.0984	0.1321	0.0950
109.31	0.1082	0.1362	0.1295	-2.6685	0.1224	0.1251	0.1242	0.1019	0.1359	0.0978
111.08	0.1131	0.1421	0.1355	-2.0430	0.1275	0.1302	0.1292	0.1066	0.1410	0.1017
113.24	0.1150	0.1448	0.1374	-3.2167	0.1292	0.1323	0.1317	0.1092	0.1440	0.1037
117.83	0.1243	0.1559	0.1483	-1.8503	0.1389	0.1420	0.1411	0.1179	0.1536	0.1112
120.92	0.1285	0.1618	0.1539	-1.9952	0.1436	0.1469	0.1459	0.1227	0.1587	0.1146
123.28	0.1316	0.1666	0.1581	-2.9243	0.1473	0.1507	0.1497	0.1258	0.1625	0.1174
122.97	0.1347	0.1703	0.1620	-1.0618	0.1511	0.1536	0.1518	0.1270	0.1640	0.1189
125.82	0.1374	0.1727	0.1634	-4.5083	0.1522	0.1556	0.1548	0.1294	0.1673	0.1211
125.60	0.1437	0.1781	0.1691	-2.1107	0.1575	0.1599	0.1583	0.1313	0.1699	0.1234
127.84	0.1488	0.1859	0.1772	-0.6156	0.1645	0.1667	0.1641	0.1362	0.1753	0.1278
130.19	0.1583	0.1978	0.1863	0.0872	0.1739	0.1757	0.1729	0.1444	0.1835	0.1346
132.53	0.1735	0.2154	0.2045	0.2269	0.1882	0.1896	0.1862	0.1563	0.1951	0.1451
135.33	0.2019	0.2495	0.2363	0.3732	0.2157	0.2158	0.2107	0.1794	0.2198	0.1649
134.42	0.2458	0.2597	0.2451	0.4124	0.2223	0.2218	0.2166	0.1814	0.2255	0.1686
138.35	0.3168	0.3434	0.3349	0.5345	0.3438	0.3561	0.3376	0.3733	0.3641	0.2877
140.16	0.4304	0.5134	0.5240	0.7569	0.5904	0.6111	0.5896	0.6200	0.6062	0.4887
142.63	0.6583	0.7689	0.7836	1.0171	0.8395	0.8512	0.8612	0.8965	0.8599	0.7237
145.78	0.8024	0.9293	0.9337	1.0355	0.9512	0.9538	0.9940	1.0337	0.9801	0.8477
142.52	0.7858	0.9137	0.9172	1.0541	0.9387	0.9419	0.9686	0.9970	0.9454	0.8152
0.22	0.4235	0.5133	0.4989	-0.2090	0.4911	0.5268	0.5857	0.6541	0.6351	0.5466

STRAIN GAGE NEAR EQ-A
 GAGE ST0014 (RESULTS OF HPT/POST SIT)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EO-A
 GAGE ST0014L01 (CH 2364)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EO-A
 GAGE ST0014L02 (CH 2365)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EQ-A
 GAGE ST0014L03 (CH 2366)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EQ-A
 GAGE ST0014104 (CH 2367)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EQ-A
 GAGE ST0014105 (CH 2368)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EQ-A
 GAGE ST0014006 (CH 2369)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EO-A
 GAGE ST0014L07 (CH 2380)
 AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EO-A
GAGE ST0014L08 (CH 2381)
AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EQ-A
GAGE ST0014L09 (CH 2382)
AZ = 20.95 DEGREES V = 12 FT 7.2 IN.

STRAIN GAGE NEAR EQ-A
 GAGE ST0014L10 (CH 2383)
 AZ = 20.95 DEGREES $\psi = 12$ FT 7.2 IN.

REINFORCED CONCRETE TEST DATA

STRIP 15 CHANNELS 2384, 2385, 2386, 2387, 2388,
2389, 2400, 2401, 2402, 2403

HIGH PRESSURE TEST

Pressure	Gage 1	Gage 2	Gage 3	Gage 4	Gage 5	Gage 6	Gage 7	Gage 8	Gage 9	Gage 10
Psig	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain	%Strain
9.89	0.0109	0.0109	0.0097	0.0119	0.0105	0.0110	0.0120	0.0116	0.0101	0.0098
19.55	0.0195	0.0222	0.0188	0.0235	0.0203	0.0201	0.0224	0.0215	0.0197	0.0184
29.57	0.0280	0.0292	0.0285	0.0336	0.0302	0.0310	0.0326	0.0315	0.0293	0.0261
39.42	0.0357	0.0380	0.0377	0.0437	0.0402	0.0412	0.0417	0.0404	0.0373	0.0332
49.16	0.0435	0.0466	0.0471	0.0536	0.0497	0.0514	0.0510	0.0500	0.0461	0.0407
54.50	0.0503	0.0526	0.0528	0.0613	0.0555	0.0571	0.0566	0.0552	0.0521	0.0451
59.57	0.0519	0.0575	0.0582	0.0714	0.0614	0.0641	0.0632	0.0617	0.0569	0.0495
64.20	0.0566	0.0633	0.0634	0.0730	0.0666	0.0701	0.0692	0.0686	0.0623	0.0544
69.32	0.0602	0.0682	0.0703	0.0791	0.0727	0.0771	0.0773	0.0752	0.0701	0.0594
74.16	0.0717	0.0809	0.0794	0.0763	0.0755	0.0840	0.0850	0.0819	0.0768	0.0656
80.16	0.0750	0.0843	0.0885	0.0897	0.0842	0.0907	0.0934	0.0874	0.0811	0.0695
85.61	0.0814	0.0916	0.0974	0.0968	0.0907	0.1004	0.1034	0.0956	0.0905	0.0763
90.58	0.0877	0.0983	0.1061	0.1000	0.0970	0.1082	0.1117	0.1032	0.0980	0.0821
95.69	0.0929	0.1047	0.1162	0.1097	0.1037	0.1169	0.1187	0.1115	0.1065	0.0891
100.92	0.0976	0.1104	0.1254	0.1148	0.1130	0.1327	0.1242	0.1193	0.1166	0.0945
103.25	0.1001	0.1130	0.1293	0.1173	0.1188	0.1373	0.1270	0.1219	0.1216	0.0964
106.11	0.1028	0.1170	0.1372	0.1189	0.1245	0.1448	0.1291	0.1246	0.1264	0.0985
108.31	0.1049	0.1192	0.1409	0.1202	0.1310	0.1485	0.1314	0.1275	0.1300	0.1013
111.08	0.1067	0.1227	0.1467	0.1223	0.1354	0.1534	0.1353	0.1307	0.1354	0.1080
113.24	0.1079	0.1283	0.1509	0.1233	0.1395	0.1572	0.1373	0.1329	0.1382	0.1126
117.83	0.1099	0.1332	0.1554	0.1222	0.1438	0.1644	0.1414	0.1364	0.1423	0.1196
120.92	0.1115	0.1351	0.1580	0.1249	0.1465	0.1670	0.1434	0.1387	0.1452	0.1222
123.28	0.1173	0.1382	0.1603	0.1259	0.1480	0.1690	0.1461	0.1402	0.1479	0.1234
122.97	0.1157	0.1384	0.1604	0.1258	0.1481	0.1691	0.1467	0.1409	0.1478	0.1234
125.82	0.1185	0.1410	0.1620	0.1255	0.1534	0.1707	0.1470	0.1412	0.1485	0.1229
125.60	0.1197	0.1415	0.1616	0.1270	0.1519	0.1699	0.1482	0.1423	0.1490	0.1233
127.84	0.1222	0.1437	0.1625	0.1290	0.1527	0.1708	0.1500	0.1449	0.1513	0.1243
130.19	0.1251	0.1459	0.1659	0.1312	0.1600	0.1761	0.1573	0.1513	0.1592	0.1294
132.53	0.1357	0.1530	0.1739	0.1362	0.1770	0.1894	0.1724	0.1734	0.1982	0.1573
135.33	0.1802	0.1675	0.1840	0.1411	0.2129	0.2720	0.2535	0.4080	0.6729	0.4981
134.42	0.1874	0.1721	0.1860	0.1312	0.2163	0.2800	0.2917	0.5116	0.7880	0.5896
138.35	0.4066	0.2446	0.2094	0.1393	0.2425	0.3385	0.6274	0.9385	1.2605	0.9401
140.16	1.0897	0.6107	0.2773	0.1633	0.3459	0.4942	0.8676	1.0887	1.3403	1.0388
142.63	1.3125	1.3496	0.8429	0.4815	0.7665	0.9562	1.0780	1.1653	1.3937	1.1173
145.78	1.3592	1.4402	1.2916	0.9824	1.0421	1.1876	1.2258	1.2386	1.4535	1.2270
142.52	1.3553	1.4314	1.3069	1.0199	1.0538	1.1958	1.2310	1.2361	1.4508	1.2327
0.22	1.0891	1.1790	1.0932	0.8509	0.9137	1.0738	1.1401	1.1655	1.3837	1.1843

STRAIN GAGE NEAR EQ-B
 GAGE S10015 (RESULTS OF HPT/POST SIT)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EQ-B
 GAGE ST0015L01 (CH 2384)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

Pressure (psig)-Channel #2

STRAIN GAGE NEAR EQ-B
 GAGE ST0015L02 (CH 2385)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

Pressure (psig)-Channel #2

STRAIN GAGE NEAR EQ-B
 GAGE ST0015L03 (CH 2386)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EQ-B
 GAGE ST0015104 (CH 2387)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR E0-B
GAGE ST0015L05 (CH 2388)
AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EO-B
 GAGE ST0015106 (CH 2389)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EO-B
 GAGE ST0015107 (CH 2400)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EO-B
GAGE ST0015.08 (CH 2401)
AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EQ-B
 GAGE ST0015L09 (CH 2402)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

STRAIN GAGE NEAR EQ-B
 GAGE ST0015L10 (CH 2403)
 AZ = 144.62 DEGREES V = 20 FT 1.5 IN.

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IMAGE EVALUATION
TEST TARGET (MT-3)

Photographic
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WEBSTER, N.Y. 14580
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SECURITY CLASSIFICATION

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DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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AT

24

REDUCTION

Strain Gages, Bondable

REINFORCED CONCRETE TEST DATA

BONDED GAGE 1

CHANNEL 1066

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	0.0146
5.33	0.0043	19.55	0.0316
12.31	0.0115	29.57	0.0495
16.44	0.0162	39.42	0.0658
20.51	0.0228	49.16	0.0818
20.46	0.0251	54.50	0.0904
20.47	0.0270	59.57	0.1000
27.05	0.0408	64.20	0.1096
34.69	0.0576	69.32	0.1205
34.53	0.0596	74.16	0.1328
34.53	0.0604	80.16	0.1482
39.70	0.0696	85.61	0.1618
45.90	0.0820	90.58	0.1732
45.65	0.0815	95.69	0.1847
45.62	0.0814	100.92	0.1961
50.10	0.0892	103.25	0.2025
53.47	0.0958	106.11	0.2096
53.29	0.0953	108.31	0.2181
53.21	0.0950	111.08	0.2305
50.49	0.0912	113.24	0.2462
46.14	0.0852	117.83	0.2763
46.13	0.0839	120.92	0.2910
44.97	0.0801	123.28	0.3037
38.98	0.0727	122.97	0.3054
33.99	0.0655	125.82	0.3193
33.96	0.0677	125.60	0.3275
26.83	0.0577	127.84	0.3496
21.88	0.0511	130.19	0.3851
21.90	0.0516	132.53	0.4354
16.69	0.0436	135.33	0.5986
11.74	0.0354	134.42	0.6326
11.77	0.0339	138.35	0.8865
5.05	0.0229	140.16	0.9373
0.02	0.0145	142.63	1.0438
-0.04	0.0073	145.78	1.1597
-0.02	0.0078	142.52	1.1764
-0.02	0.0077	0.22	0.7968
0.02	0.0090		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE B0001 (CH 1066)
AZ = 88.7 DEGREES R = 11 FT 2 IN. V = 1 FT 8.3 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 2

CHANNEL 1067

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0150
5.33	0.0048	19.55	0.0317
12.31	0.0126	29.57	0.0493
16.44	0.0173	39.42	0.0662
20.51	0.0242	49.16	0.0827
20.46	0.0268	54.50	0.0919
20.47	0.0290	59.57	0.1017
27.05	0.0429	64.20	0.1117
34.69	0.0597	69.32	0.1234
34.53	0.0624	74.16	0.1360
34.53	0.0632	80.16	0.1518
39.70	0.0727	85.61	0.1667
45.90	0.0854	90.58	0.1791
45.65	0.0847	95.69	0.1915
45.62	0.0841	100.92	0.2055
50.10	0.0914	103.25	0.2128
53.47	0.0980	106.11	0.2219
53.29	0.0973	108.31	0.2300
53.21	0.0967	111.08	0.2443
50.49	0.0926	113.24	0.2604
46.14	0.0862	117.83	0.3918
46.13	0.0847	120.92	0.6473
44.97	0.0806	123.28	0.7416
38.98	0.0726	122.97	0.7422
33.99	0.0658	125.82	0.7523
33.96	0.0684	125.60	0.7568
26.83	0.0584	127.84	0.7796
21.88	0.0520	130.19	0.9371
21.90	0.0535	132.53	1.0062
16.69	0.0456	135.33	1.1303
11.74	0.0374	134.42	1.1613
11.77	0.0359	138.35	1.3163
5.05	0.0248	140.16	1.4142
0.02	0.0168	142.63	1.5499
-0.04	0.0087	145.78	1.6518
-0.02	0.0085	142.52	1.6601
-0.02	0.0086	0.22	1.2578
0.02	0.0097		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE B0002 (CH 1067)

AZ = 88.7 DEGREES R = 11 FT 2.3 IN. V = 1 FT 10.8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

BONDED GAGE 4

CHANNEL 1069

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0143
5.33	0.0025	19.55	0.0311
12.31	0.0074	29.57	0.0478
16.44	0.0109	39.42	0.0633
20.51	0.0171	49.16	0.0784
20.46	0.0182	54.50	0.0867
20.47	0.0186	59.57	0.0961
27.05	0.0340	64.20	0.1050
34.69	0.0530	69.32	0.1142
34.53	0.0537	74.16	0.1261
34.53	0.0545	80.16	0.1469
39.70	0.0647	85.61	0.1609
45.90	0.0786	90.58	0.1734
45.65	0.0784	95.69	0.1855
45.62	0.0777	100.92	0.1990
50.10	0.0851	103.25	0.2055
53.47	0.0927	106.11	0.2151
53.29	0.0921	108.31	0.2229
53.21	0.0915	111.08	0.2354
50.49	0.0881	113.24	0.2467
46.14	0.0822	117.83	0.4067
46.13	0.0815	120.92	0.5705
44.97	0.0794	123.28	0.6442
38.98	0.0713	122.97	0.6576
33.99	0.0641	125.82	0.7176
33.96	0.0641	125.60	0.7429
26.83	0.0529	127.84	0.7842
21.88	0.0455	130.19	0.8303
21.90	0.0460	132.53	0.8889
16.69	0.0382	135.33	0.9675
11.74	0.0303	134.42	0.9765
11.77	0.0304	138.35	1.1053
5.05	0.0198	140.16	1.1788
0.02	0.0134	142.63	1.3024
-0.04	0.0108	145.78	1.3840
-0.02	0.0112	142.52	1.3657
-0.02	0.0114	0.22	0.9942
0.02	0.0111		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE B0004 (CH 1069)

AZ = 209.97 DEGREES R = 11 FT 2.3 IN. V = 1 FT 11 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

BONDED GAGE 5

CHANNEL 1080

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0152
5.33	0.0068	19.55	0.0297
12.31	0.0131	29.57	0.0441
16.44	0.0166	39.42	0.0585
20.51	0.0223	49.16	0.0718
20.46	0.0237	54.50	0.0788
20.47	0.0244	59.57	0.0864
27.05	0.0346	64.20	0.0961
34.69	0.0494	69.32	0.1059
34.53	0.0511	74.16	0.1208
34.53	0.0512	80.16	0.1389
39.70	0.0593	85.61	0.1532
45.90	0.0719	90.58	0.1648
45.65	0.0738	95.69	0.1782
45.62	0.0743	100.92	0.1937
50.10	0.0801	103.25	0.2002
53.47	0.0859	106.11	0.2096
53.29	0.0867	108.31	0.2164
53.21	0.0866	111.08	0.2262
50.49	0.0844	113.24	0.2343
46.14	0.0799	117.83	0.2514
46.13	0.0794	120.92	0.2519
44.97	0.0809	123.28	0.2534
38.98	0.0742	122.97	0.2546
33.99	0.0681	125.82	0.2518
33.96	0.0678	125.60	0.2545
26.83	0.0581	127.84	0.2537
21.88	0.0515	130.19	0.6070
21.90	0.0507	132.53	0.8403
16.69	0.0439	135.33	0.9107
11.74	0.0370	134.42	0.9182
11.77	0.0361	138.35	0.9632
5.05	0.0263	140.16	1.0442
0.02	0.0193	142.63	1.1504
-0.04	0.0107	145.78	1.2560
-0.02	0.0139	142.52	1.2651
-0.02	0.0163	0.22	0.8935
0.02	0.0161		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE B0005 (CH 108C)
 AZ = 332.77 DEGREES R = 11 FT 1.5 IN. V = 1 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 7

CHANNEL 1082

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0021
5.33	-0.0017	19.55	-0.0016
12.31	-0.0030	29.57	0.0003
16.44	-0.0043	39.42	0.0029
20.51	-0.0047	49.16	0.0056
20.46	-0.0055	54.50	0.0076
20.47	-0.0055	59.57	0.0097
27.05	-0.0034	64.20	0.0143
34.69	-0.0006	69.32	0.0168
34.53	0.0003	74.16	0.0185
34.53	0.0003	80.16	0.0226
39.70	0.0024	85.61	0.0248
45.90	0.0044	90.58	0.0268
45.65	0.0045	95.69	0.0287
45.62	0.0042	100.92	0.0305
50.10	0.0059	103.25	0.0313
53.47	0.0073	106.11	0.0322
53.29	0.0072	108.31	0.0332
53.21	0.0075	111.08	0.0343
50.49	0.0065	113.24	0.0359
46.14	0.0054	117.83	0.0387
46.13	0.0055	120.92	0.0400
44.97	0.0036	123.28	0.0409
38.98	0.0025	122.97	0.0403
33.99	0.0014	125.82	0.0418
33.96	0.0028	125.60	0.0415
26.83	0.0010	127.84	0.0431
21.88	0.0004	130.19	0.0461
21.90	0.0002	132.53	0.0502
16.69	-0.0002	135.33	0.0563
11.74	-0.0008	134.42	0.0576
11.77	-0.0003	138.35	0.0673
5.05	-0.0010	140.16	0.0733
0.02	0.0006	142.63	0.0833
-0.04	0.0027	145.78	0.0924
-0.02	0.0019	142.52	0.0920
-0.02	0.0013	0.22	0.0286
0.02	-0.0001		

MERIDIONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE B0007 (CH 1082)

AZ = 93 DEGREES R = 11 FT 6.4 IN. V = 1 FT 8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

BONDED GAGE 8

CHANNEL 1083

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0117	9.89	-0.0756
5.33	-0.0256	19.55	-0.0853
12.31	-0.0087	29.57	-0.0978
16.44	-0.0109	39.42	-0.1145
20.51	-0.0088	49.16	-0.0918
20.46	-0.0131	54.50	-0.0774
20.47	0.0210	59.57	-0.0879
27.05	0.1968	64.20	-0.8369
34.69	0.1056	69.32	-0.8327
34.53	0.1433	74.16	-0.8063
34.53	0.1631	80.16	-0.8202
39.70	0.1880	85.61	-0.8355
45.90	0.8812	90.58	-0.8112
45.65	0.9097	95.69	-0.8466
45.62	0.9338	100.92	-0.8780
50.10	0.9816	103.25	-0.8810
53.47	0.2520	106.11	-0.8967
53.29	0.9527	108.31	-0.8950
53.21	0.9538	111.08	-0.9031
50.49	0.9482	113.24	-0.8847
46.14	0.9379	117.83	-0.8701
46.13	0.9193	120.92	-0.8830
44.97	0.8927	123.28	-0.8917
38.98	0.9060	122.97	-0.8942
33.99	0.8717	125.82	-0.8674
33.96	0.1924	125.60	-0.8603
26.83	0.8816	127.84	-0.8521
21.88	0.1662	130.19	-0.8192
21.90	0.1373	132.53	-0.7861
16.69	0.1688	135.33	-0.7407
11.74	0.2318	134.42	-0.7049
11.77	0.2427	138.35	-0.6541
5.05	0.2420	140.16	-0.6087
0.02	0.2423	142.63	-0.5586
-0.04	0.4102	145.78	-0.5983
-0.02	0.1718	142.52	-0.6167
-0.02	0.1417	0.22	-0.5694
0.02	0.1227		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE B0008 (CH 1083)

AZ = 93 DEGREES R = 11 FT 6.4 IN. V = 1 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 9

CHANNEL 1084

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	-0.0020
5.33	-0.0010	19.55	-0.0006
12.31	-0.0022	29.57	0.0032
16.44	-0.0026	39.42	0.0080
20.51	-0.0021	49.16	0.0132
20.46	-0.0020	54.50	0.0163
20.47	-0.0022	59.57	0.0200
27.05	0.0006	64.20	0.0233
34.69	0.0051	69.32	0.0265
34.53	0.0055	74.16	0.0278
34.53	0.0054	80.16	0.0390
39.70	0.0080	85.61	0.0445
45.90	0.0115	90.58	0.0492
45.65	0.0112	95.69	0.0537
45.62	0.0111	100.92	0.0589
50.10	0.0134	103.25	0.0613
53.47	0.0163	106.11	0.0651
53.29	0.0159	108.31	0.0679
53.21	0.0162	111.08	0.0721
50.49	0.0151	113.24	0.0755
46.14	0.0131	117.83	0.0835
46.13	0.0126	120.92	0.0888
44.97	0.0124	123.28	0.0940
38.98	0.0107	122.97	0.0946
33.99	0.0076	125.82	0.1015
33.96	0.0081	125.60	0.1016
26.83	0.0046	127.84	0.1067
21.88	0.0027	130.19	0.1153
21.90	0.0031	132.53	0.1270
16.69	0.0012	135.33	0.1398
11.74	-0.0005	134.42	0.1400
11.77	-0.0006	138.35	0.1565
5.05	-0.0009	140.16	0.1677
0.02	0.0000	142.63	0.1859
-0.04	0.0010	145.78	0.2041
-0.02	0.0002	142.52	0.2044
-0.02	0.0000	0.22	0.0994
0.02	-0.0002		

MERIDIONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE B0009 (CH 1084)

AZ = 209.97 DEGREES R = 11 FT 6.3 IN. V = 1 FT 8 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 10 CHANNEL 1085

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psi)	% Strain	Pressure (psi)	% Strain
-0.05	0.0006	9.89	-0.0019
5.33	-0.0002	19.55	0.0006
12.31	-0.0018	29.57	0.0041
16.44	-0.0015	39.42	0.0086
20.51	-0.0011	49.16	0.0136
20.46	-0.0012	54.50	0.0166
20.47	-0.0011	59.57	0.0194
27.05	0.0010	64.20	0.0227
34.69	0.0053	69.32	0.0248
34.53	0.0063	74.16	0.0266
34.53	0.0067	80.16	0.0369
39.70	0.0094	85.61	0.0419
45.90	0.0135	90.58	0.0461
45.65	0.0139	95.69	0.0501
45.62	0.0139	100.92	0.0550
50.10	0.0162	103.25	0.0570
53.47	0.0184	106.11	0.0601
53.29	0.0187	108.31	0.0628
53.21	0.0185	111.08	0.0666
50.49	0.0176	113.24	0.0696
46.14	0.0161	117.83	0.0760
46.13	0.0160	120.92	0.0804
44.97	0.0152	123.28	0.0853
38.98	0.0133	122.97	0.0858
33.99	0.0114	125.82	0.0931
33.96	0.0108	125.60	0.0932
26.83	0.0080	127.84	0.0985
21.88	0.0064	130.19	0.1083
21.90	0.0066	132.53	0.1223
16.69	0.0050	135.33	0.1381
11.74	0.0037	134.42	0.1380
11.77	0.0038	138.35	0.1594
5.05	0.0025	140.16	0.1727
0.02	0.0033	142.63	0.1937
-0.04	0.0027	145.78	0.2137
-0.02	0.0023	142.52	0.2141
-0.02	0.0025	0.22	0.1082
0.02	0.0024		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE B0010 (CH 1085)

AZ = 209.97 DEGREES R = 11 FT 6.3 IN. V = 1 FT 10.5 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 11

CHANNEL 1086

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0000
5.33	-0.0009	19.55	0.0027
12.31	-0.0016	29.57	0.0068
16.44	-0.0020	39.42	0.0110
20.51	-0.0018	49.16	0.0155
20.46	-0.0019	54.50	0.0186
20.47	-0.0021	59.57	0.0212
27.05	0.0001	64.20	0.0244
34.69	0.0036	69.32	0.0276
34.53	0.0043	74.16	0.0320
34.53	0.0035	80.16	0.0367
39.70	0.0059	85.61	0.0416
45.90	0.0110	90.58	0.0452
45.65	0.0107	95.69	0.0487
45.62	0.0112	100.92	0.0521
50.10	0.0137	103.25	0.0532
53.47	0.0174	106.11	0.0551
53.29	0.0175	108.31	0.0568
53.21	0.0172	111.08	0.0582
50.49	0.0168	113.24	0.0592
46.14	0.0149	117.83	0.0613
46.13	0.0141	120.92	0.0622
44.97	0.0165	123.28	0.0629
38.98	0.0132	122.97	0.0629
33.99	0.0111	125.82	0.0656
33.96	0.0109	125.60	0.0662
26.83	0.0074	127.84	0.0695
21.88	0.0050	130.19	0.0738
21.90	0.0052	132.53	0.0798
16.69	0.0029	135.33	0.0885
11.74	0.0011	134.42	0.0887
11.77	0.0010	138.35	0.1032
5.05	0.0005	140.16	0.1135
0.02	0.0012	142.63	0.1292
-0.04	0.0047	145.78	0.1448
-0.02	0.0027	142.52	0.1446
-0.02	0.0018	0.22	0.0600
0.02	0.0015		

MERIDIONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
 GAGE B0011 (CH 1086)
 AZ = 332.83 DEGREES R = 11 FT 6 IN. V = 1 FT 8 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 12 CHANNEL 1087

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psi)	% Strain	Pressure (psi)	% Strain
-0.05	0.0011	9.89	0.0004
5.33	0.0000	19.55	0.0024
12.31	-0.0004	29.57	0.0051
16.44	-0.0003	39.42	0.0077
20.51	-0.0001	49.16	0.0113
20.46	-0.0002	54.50	0.0134
20.47	-0.0001	59.57	0.0158
27.05	0.0001	64.20	0.0177
34.69	0.0037	69.32	0.0201
34.53	0.0041	74.16	0.0224
34.53	0.0043	80.16	0.0257
39.70	0.0060	85.61	0.0288
45.90	0.0092	90.58	0.0309
45.65	0.0094	95.69	0.0335
45.62	0.0093	100.92	0.0365
50.10	0.0114	103.25	0.0375
53.47	0.0129	106.11	0.0392
53.29	0.0133	108.31	0.0407
53.21	0.0135	111.08	0.0422
50.49	0.0127	113.24	0.0442
46.14	0.0117	117.83	0.0482
46.13	0.0114	120.92	0.0503
44.97	0.0122	123.28	0.0531
38.98	0.0105	122.97	0.0531
33.99	0.0086	125.82	0.0562
33.96	0.0087	125.60	0.0568
26.83	0.0064	127.84	0.0611
21.88	0.0052	130.19	0.0669
21.90	0.0046	132.53	0.0746
16.69	0.0034	135.33	0.0847
11.74	0.0021	134.42	0.0850
11.77	0.0022	138.35	0.1011
5.05	0.0010	140.16	0.1115
0.02	0.0021	142.63	0.1269
-0.04	0.0037	145.78	0.1413
-0.02	0.0030	142.52	0.1409
-0.02	0.0026	0.22	0.0664
0.02	0.0020		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE B0012 (CH 1087)

AZ = 332.83 DEGREES R = 11 FT 6 IN. V = 1 FT 10.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

BONDED GAGE 13

CHANNEL 1088

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	-0.0059
5.33	-0.0017	19.55	-0.0103
12.31	-0.0057	29.57	-0.0135
16.44	-0.0090	39.42	-0.0158
20.51	-0.0140	49.16	-0.0178
20.46	-0.0182	54.50	-0.0189
20.47	-0.0230	59.57	-0.0201
27.05	-0.0262	64.20	-0.0219
34.69	-0.0279	69.32	-0.0238
34.53	-0.0284	74.16	-0.0281
34.53	-0.0282	80.16	-0.0225
39.70	-0.0284	85.61	-0.0217
45.90	-0.0286	90.58	-0.0209
45.65	-0.0274	95.69	-0.0197
45.62	-0.0263	100.92	-0.0199
50.10	-0.0266	103.25	-0.0194
53.47	-0.0254	106.11	-0.0194
53.29	-0.0242	108.31	-0.0198
53.21	-0.0242	111.08	-0.0197
50.49	-0.0227	113.24	-0.0193
46.14	-0.0223	117.83	-0.0178
46.13	-0.0210	120.92	-0.0174
44.97	-0.0198	123.28	-0.0174
38.98	-0.0199	122.97	-0.0175
33.99	-0.0209	125.82	-0.0178
33.96	-0.0264	125.60	-0.0184
26.83	-0.0281	127.84	-0.0187
21.88	-0.0305	130.19	-0.0194
21.90	-0.0304	132.53	-0.0189
16.69	-0.0287	135.33	-0.0187
11.74	-0.0266	134.42	-0.0205
11.77	-0.0247	138.35	-0.0220
5.05	-0.0198	140.16	-0.0207
0.02	-0.0154	142.63	-0.0176
-0.04	-0.0019	145.78	-0.0136
-0.02	-0.0039	142.52	-0.0121
-0.02	-0.0043	0.22	-0.0177
0.02	-0.0075		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
GAGE B0013 (CH 1088)

AZ = 89.22 DEGREES R = 11 FT 8.3 IN. V = 1 FT 7.3 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 14

CHANNEL 1089

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0111
5.33	-0.0053	19.55	-0.0160
12.31	-0.0114	29.57	-0.0189
16.44	-0.0150	39.42	-0.0206
20.51	-0.0194	49.16	-0.0219
20.46	-0.0228	54.50	-0.0227
20.47	-0.0261	59.57	-0.0232
27.05	-0.0284	64.20	-0.0249
34.69	-0.0296	69.32	-0.0262
34.53	-0.0299	74.16	-0.0288
34.53	-0.0303	80.16	-0.0276
39.70	-0.0307	85.61	-0.0273
45.90	-0.0313	90.58	-0.0266
45.65	-0.0309	95.69	-0.0256
45.62	-0.0302	100.92	-0.0248
50.10	-0.0303	103.25	-0.0244
53.47	-0.0302	106.11	-0.0247
53.29	-0.0297	108.31	-0.0247
53.21	-0.0291	111.08	-0.0245
50.49	-0.0290	113.24	-0.0243
46.14	-0.0281	117.83	-0.0237
46.13	-0.0279	120.92	-0.0241
44.97	-0.0254	123.28	-0.0238
38.98	-0.0257	122.97	-0.0239
33.99	-0.0258	125.82	-0.0242
33.96	-0.0297	125.60	-0.0246
26.83	-0.0295	127.84	-0.0245
21.88	-0.0305	130.19	-0.0254
21.90	-0.0303	132.53	-0.0266
16.69	-0.0298	135.33	-0.0283
11.74	-0.0292	134.42	-0.0307
11.77	-0.0289	138.35	-0.0365
5.05	-0.0256	140.16	-0.0392
2.02	-0.0215	142.63	-0.0427
-0.04	-0.0029	145.78	-0.0428
-0.02	-0.0049	142.52	-0.0435
-0.02	-0.0061	0.22	-0.0379
0.02	-0.0114		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE B0014 (CH 1089)
 AZ = 90 DEGREES R = 11 FT 8.3 IN. V = 1 FT 10.3 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 15

CHANNEL 1100

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0056
5.33	-0.0019	19.55	-0.0081
12.31	-0.0046	29.57	-0.0090
16.44	-0.0058	39.42	-0.0089
20.51	-0.0069	49.16	-0.0093
20.46	-0.0070	54.50	-0.0091
20.47	-0.0071	59.57	-0.0088
27.05	-0.0079	64.20	-0.0085
34.69	-0.0088	69.32	-0.0084
34.53	-0.0087	74.16	-0.0094
34.53	-0.0085	80.16	-0.0068
39.70	-0.0087	85.61	-0.0051
45.90	-0.0085	90.58	-0.0035
45.65	-0.0082	95.69	-0.0015
45.62	-0.0084	100.92	0.0004
50.10	-0.0082	103.25	0.0019
53.47	-0.0081	106.11	0.0038
53.29	-0.0077	108.31	0.0055
53.21	-0.0078	111.08	0.0077
50.49	-0.0077	113.24	0.0096
46.14	-0.0080	117.83	0.0140
46.13	-0.0079	120.92	0.0170
44.97	-0.0092	123.28	0.0191
38.98	-0.0088	122.97	0.0189
33.99	-0.0093	125.82	0.0215
33.96	-0.0092	125.60	0.0228
26.83	-0.0091	127.84	0.0247
21.88	-0.0090	130.19	0.0290
21.90	-0.0091	132.53	0.0339
16.69	-0.0084	135.33	0.0382
11.74	-0.0076	134.42	0.0379
11.77	-0.0072	138.35	0.0417
5.05	-0.0054	140.16	0.0440
0.02	-0.0028	142.63	0.0482
-0.04	-0.0027	145.78	0.0538
-0.02	-0.0027	142.52	0.0554
-0.02	-0.0025	0.22	0.0201
0.02	-0.0027		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE B0015 (CH 1100)

AZ = 209.48 DEGREES R = 11 FT 9.3 IN. V = 1 FT 8.3 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 16

CHANNEL 1101

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	-0.0035
5.33	-0.0010	19.55	-0.0054
12.31	-0.0026	29.57	-0.0066
16.44	-0.0040	39.42	-0.0071
20.51	-0.0057	49.16	-0.0076
20.46	-0.0065	54.50	-0.0078
20.47	-0.0071	59.57	-0.0072
27.05	-0.0081	64.20	-0.0084
34.69	-0.0095	69.32	-0.0088
34.53	-0.0106	74.16	-0.0106
34.53	-0.0113	80.16	-0.0064
39.70	-0.0111	85.61	-0.0054
45.90	-0.0112	90.58	-0.0045
45.65	-0.0108	95.69	-0.0029
45.62	-0.0104	100.92	-0.0019
50.10	-0.0105	103.25	-0.0010
53.47	-0.0099	106.11	0.0001
53.29	-0.0097	108.31	0.0009
53.21	-0.0093	111.08	0.0018
50.49	-0.0086	113.24	0.0023
46.14	-0.0086	117.83	0.0032
46.13	-0.0083	120.92	0.0040
44.97	-0.0099	123.28	0.0043
38.98	-0.0098	122.97	0.0025
33.99	-0.0099	125.82	0.0027
33.96	-0.0105	125.60	0.0024
26.83	-0.0106	127.84	0.0041
21.88	-0.0102	130.19	0.0077
21.90	-0.0111	132.53	0.0112
16.69	-0.0113	135.33	0.0151
11.74	-0.0105	134.42	0.0159
11.77	-0.0102	138.35	0.0192
5.05	-0.0081	140.16	0.0218
0.02	-0.0060	142.63	0.0264
-0.04	-0.0056	145.78	0.0317
-0.02	-0.0067	142.52	0.0335
-0.02	-0.0056	0.22	0.0098
0.02	-0.0053		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE B0016 (CH 1101)

AZ = 210.45 DEGREES R = 11 FT 9.3 IN. V = 1 FT 11 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 17

CHANNEL 1102

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	-0.0071
5.33	-0.0039	19.55	-0.0094
12.31	-0.0053	29.57	-0.0106
16.44	-0.0058	39.42	-0.0113
20.51	-0.0071	49.16	-0.0120
20.46	-0.0077	54.50	-0.0121
20.47	-0.0079	59.57	-0.0124
27.05	-0.0101	64.20	-0.0124
34.69	-0.0113	69.32	-0.0128
34.53	-0.0116	74.16	-0.0112
34.53	-0.0116	80.16	-0.0081
39.70	-0.0123	85.61	-0.0061
45.90	-0.0126	90.58	-0.0047
45.65	-0.0125	95.69	-0.0031
45.62	-0.0125	100.92	-0.0013
50.10	-0.0121	103.25	0.0004
53.47	-0.0127	106.11	0.0019
53.29	-0.0120	108.31	0.0031
53.21	-0.0118	111.08	0.0057
50.49	-0.0113	113.24	0.0081
46.14	-0.0113	117.83	0.0140
46.13	-0.0109	120.92	0.0189
44.97	-0.0110	123.28	0.0227
38.98	-0.0109	122.97	0.0232
33.99	-0.0106	125.82	0.0251
33.96	-0.0107	125.60	0.0252
26.83	-0.0104	127.84	0.0264
21.88	-0.0101	130.19	0.0281
21.90	-0.0106	132.53	0.0317
16.69	-0.0098	135.33	0.0356
11.74	-0.0092	134.42	0.0362
11.77	-0.0086	138.35	0.0405
5.05	-0.0063	140.16	0.0439
0.02	-0.0017	142.63	0.0481
-0.04	0.0020	145.78	0.0529
-0.02	-0.0048	142.52	0.0534
-0.02	-0.0054	0.22	0.0126
0.02	-0.0034		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
 GAGE B0017 (CH 1102)
 AZ = 327.9 DEGREES R = 11 FT 8.5 IN. V = 1 FT 9 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 18 CHANNEL 1103

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
0.05	-0.0004	9.89	-0.0021
5.33	-0.0010	19.55	-0.0034
12.31	-0.0020	29.57	-0.0045
16.44	-0.0029	39.42	-0.0051
20.51	-0.0036	49.16	-0.0054
20.46	-0.0039	54.50	-0.0056
20.47	-0.0040	59.57	-0.0055
27.05	-0.0050	64.20	-0.0060
34.69	-0.0062	69.32	-0.0061
34.53	-0.0063	74.16	-0.0052
34.53	-0.0066	80.16	-0.0037
39.70	-0.0068	85.61	-0.0025
45.90	-0.0071	90.58	-0.0018
45.65	-0.0069	95.69	-0.0012
45.62	-0.0074	100.92	-0.0005
50.10	-0.0071	103.25	0.0002
53.47	-0.0068	106.11	0.0006
53.29	-0.0066	108.31	0.0011
53.21	-0.0066	111.08	0.0025
50.49	-0.0069	113.24	0.0037
46.14	-0.0062	117.83	0.0070
46.13	-0.0060	120.92	0.0092
44.97	-0.0063	123.28	0.0113
38.98	-0.0058	122.97	0.0118
33.99	-0.0057	125.82	0.0139
33.96	-0.0059	125.60	0.0151
26.83	-0.0054	127.84	0.0173
21.88	-0.0050	130.19	0.0208
21.90	-0.0045	132.53	0.0247
16.69	-0.0044	135.33	0.0301
11.74	-0.0035	134.42	0.0314
11.77	-0.0033	138.35	0.0380
5.05	-0.0018	140.16	0.0427
0.02	-0.0003	142.63	0.0498
-0.04	0.0010	145.78	0.0557
-0.02	-0.0001	142.52	0.0579
-0.02	-0.0005	0.22	0.0167
0.02	-0.0003		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE B0018 (CH 1103)

AZ = 328.77 DEGREES R = 11 FT 8.5 IN. V = 1 FT 11 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 19

CHANNEL 1104

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0126
5.33	0.0035	19.55	0.0265
12.31	0.0087	29.57	0.0406
16.44	0.0125	39.42	0.0542
20.51	0.0177	49.16	0.0673
20.46	0.0183	54.50	0.0748
20.47	0.0186	59.57	0.0824
27.05	0.0286	64.20	0.0902
34.69	0.0428	69.32	0.0990
34.53	0.0445	74.16	0.1078
34.53	0.0454	80.16	0.1184
39.70	0.0528	85.61	0.1290
45.90	0.0650	90.58	0.1392
45.65	0.0649	95.69	0.1507
45.62	0.0650	100.92	0.1630
50.10	0.0708	103.25	0.1690
53.47	0.0768	106.11	0.1759
53.29	0.0768	108.31	0.1814
53.21	0.0770	111.08	0.1898
50.49	0.0748	113.24	0.1966
46.14	0.0697	117.83	0.2122
46.13	0.0694	120.92	0.2229
44.97	0.0686	123.28	0.2323
38.98	0.0619	122.97	0.2338
33.99	0.0559	125.82	0.2471
33.96	0.0559	125.60	0.2564
26.83	0.0466	127.84	0.2684
21.88	0.0408	130.19	0.2781
21.90	0.0411	132.53	0.8371
16.69	0.0349	135.33	0.9816
11.74	0.0287	134.42	1.0371
11.77	0.0279	138.35	1.3404
5.05	0.0199	140.16	1.5195
0.02	0.0136	142.63	1.7260
-0.04	0.0092	145.78	1.8837
-0.02	0.0094	142.52	1.9140
-0.02	0.0098	0.22	1.5445
0.02	0.0099		

HOOP STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE B0019 (CH 1104)

AZ = 135 DEGREES R = 11 FT 1.3 IN. V = 13 FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 20

CHANNEL 1105

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0002	9.89	0.0059
5.33	0.0006	19.55	0.0129
12.31	0.0024	29.57	0.0198
16.44	0.0034	39.42	0.0265
20.51	0.0057	49.16	0.0331
20.46	0.0064	54.50	0.0369
20.47	0.0068	59.57	0.0412
27.05	0.0129	64.20	0.0457
34.69	0.0220	69.32	0.0510
34.53	0.0243	74.16	0.0562
34.53	0.0249	80.16	0.0626
39.70	0.0292	85.61	0.0686
45.90	0.0359	90.58	0.0739
45.65	0.0360	95.69	0.0804
45.62	0.0357	100.92	0.0869
50.10	0.0395	103.25	0.0901
53.47	0.0427	106.11	0.0936
53.29	0.0437	108.31	0.0964
53.21	0.0436	111.08	0.1006
50.49	0.0427	113.24	0.1035
46.14	0.0405	117.83	0.1108
46.13	0.0403	120.92	0.1150
44.97	0.0406	123.28	0.1182
38.98	0.0377	122.97	0.1180
33.99	0.0348	125.82	0.1196
33.96	0.0346	125.60	0.1195
26.83	0.0304	127.84	0.1206
21.88	0.0275	130.19	0.1219
21.90	0.0282	132.53	0.1226
16.69	0.0253	135.33	0.1313
11.74	0.0222	134.42	0.1318
11.77	0.0206	138.35	0.1398
5.05	0.0160	140.16	0.1529
0.02	0.0128	142.63	0.1949
-0.04	0.0105	145.78	0.2261
-0.02	0.0108	142.52	0.2260
-0.02	0.0101	0.22	0.1170
0.02	0.0111		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B

GAGE B0020 (CH 1105)

AZ = 134 DEGREES R = 11 FT 1.5 IN. V = 12 FT 11.8 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 21 CHANNEL 1106

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0056
5.33	0.0010	19.55	0.0115
12.31	0.0017	29.57	0.0179
16.44	0.0023	39.42	0.0238
20.51	0.0031	49.16	0.0290
20.46	0.0032	54.50	0.0318
20.47	0.0028	59.57	0.0351
27.05	0.0069	64.20	0.0388
34.69	0.0148	69.32	0.0432
34.53	0.0136	74.16	0.0472
34.53	0.0132	80.16	0.0553
39.70	0.0166	85.61	0.0603
45.90	0.0242	90.58	0.0655
45.65	0.0279	95.69	0.0712
45.62	0.0291	100.92	0.0768
50.10	0.0331	103.25	0.0792
53.47	0.0371	106.11	0.0823
53.29	0.0383	108.31	0.0847
53.21	0.0383	111.08	0.0881
50.49	0.0382	113.24	0.0911
46.14	0.0367	117.83	0.0982
46.13	0.0372	120.92	0.1039
44.97	0.0347	123.28	0.1085
38.98	0.0220	122.97	0.1091
33.99	0.0292	125.82	0.1153
33.96	0.0285	125.60	0.1163
26.83	0.0242	127.84	0.1209
21.88	0.0199	130.19	0.1293
21.90	0.0176	132.53	0.1429
16.69	0.0136	135.33	0.1767
11.74	0.0102	134.42	0.1830
11.77	0.0128	138.35	0.2236
5.05	0.0101	140.16	0.2462
0.02	0.0079	142.63	0.2683
-0.04	0.0116	145.78	0.2859
-0.02	0.0106	142.52	0.2928
-0.02	0.0098	0.22	0.2096
0.02	0.0085		

MERIDIONAL STRAIN OF CYLINDER WALL NEAR EQ-B
 GAGE B0021 (CH 1106)

AZ = 134.5 DEGREES P = 11 FT 6.3 IN. V = 13 FT .5 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 22

CHANNEL 1107

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0118
5.33	0.0026	19.55	0.0249
12.31	0.0065	29.57	0.0383
16.44	0.0088	39.42	0.0511
20.51	0.0133	49.16	0.0632
20.46	0.0138	54.50	0.0703
20.47	0.0143	59.57	0.0779
27.05	0.0246	64.20	0.0859
34.69	0.0404	69.32	0.0948
34.53	0.0409	74.16	0.1046
34.53	0.0411	80.16	0.1196
39.70	0.0483	85.61	0.1317
45.90	0.0600	90.58	0.1431
45.65	0.0633	95.69	0.1568
45.62	0.0644	100.92	0.1713
50.10	0.0719	103.25	0.1781
53.47	0.0790	106.11	0.1861
53.29	0.0801	108.31	0.1921
53.21	0.0807	111.08	0.2007
50.49	0.0789	113.24	0.2073
46.14	0.0745	117.83	0.2237
46.13	0.0744	120.92	0.2348
44.97	0.0733	123.28	0.2465
38.98	0.0668	122.97	0.2458
33.99	0.0610	125.82	0.2518
33.96	0.0604	125.60	0.2579
26.83	0.0513	127.84	0.2798
21.88	0.0441	130.19	0.6729
21.90	0.0426	132.53	0.9803
16.69	0.0360	135.33	1.2039
11.74	0.0288	134.42	1.2371
11.77	0.0292	138.35	1.4345
5.05	0.0215	140.16	1.5580
0.02	0.0159	142.63	1.7239
-0.04	0.0146	145.78	1.8539
-0.02	0.0139	142.52	1.8807
-0.02	0.0138	0.22	1.5045
0.02	0.0132

REINFORCED CONCRETE TEST DATA

BONDED GAGE 23

CHANNEL 1108

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0008	9.89	0.0004
5.33	-0.0004	19.55	0.0026
12.31	-0.0002	29.57	0.0057
16.44	0.0007	39.42	0.0094
20.51	0.0018	49.16	0.0144
20.46	0.0022	54.50	0.0162
20.47	0.0021	59.57	0.0185
27.05	0.0065	64.20	0.0196
34.69	0.0103	69.32	0.0216
34.53	0.0102	74.16	0.0231
34.53	0.0100	80.16	0.0255
39.70	0.0126	85.61	0.0270
45.90	0.0153	90.58	0.0279
45.65	0.0152	95.69	0.0275
45.62	0.0148	100.92	0.0275
50.10	0.0167	103.25	0.0268
53.47	0.0182	106.11	0.0268
53.29	0.0184	108.31	0.0273
53.21	0.0180	111.08	0.0267
50.49	0.0164	113.24	0.0263
46.14	0.0148	117.83	0.0267
46.13	0.0144	120.92	0.0292
44.97	0.0121	123.28	0.0319
38.98	0.0099	122.97	0.0323
33.99	0.0074	125.82	0.0359
33.96	0.0074	125.60	0.0362
26.83	0.0046	127.84	0.0394
21.88	0.0028	130.19	0.0443
21.90	0.0033	132.53	0.0475
16.69	0.0014	135.33	0.0507
11.74	0.0001	134.42	0.0493
11.77	0.0012	138.35	0.0522
5.05	0.0007	140.16	0.0531
0.02	0.0005	142.63	0.0508
-0.04	0.0019	145.78	0.0527
-0.02	0.0019	142.52	0.0512
-0.02	0.0013	0.22	0.0223
0.02	0.0012		

STRAIN OF SHEAR TIE NEAR BASEMAT
 GAGE B0023 (CH 1108)
 AZ = 88 DEGREES V = 1 FT 9.0 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 24

CHANNEL 1109

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0138
5.33	0.0032	19.55	0.0283
12.31	0.0082	29.57	0.0430
16.44	0.0117	39.42	0.0569
20.51	0.0176	49.16	0.0706
20.46	0.0185	54.50	0.0781
20.47	0.0184	59.57	0.0860
27.05	0.0358	64.20	0.0926
34.69	0.0514	69.32	0.1005
34.53	0.0514	74.16	0.1087
34.53	0.0521	80.16	0.1207
39.70	0.0606	85.61	0.1298
45.90	0.0720	90.58	0.1385
45.65	0.0733	95.69	0.1484
45.62	0.0741	100.92	0.1601
50.10	0.0807	103.25	0.1658
53.47	0.0869	106.11	0.1727
53.29	0.0870	108.31	0.1780
53.21	0.0869	111.08	0.1859
50.49	0.0847	113.24	0.1915
46.14	0.0790	117.83	0.2062
46.13	0.0792	120.92	0.2150
44.97	0.0750	123.28	0.2207
38.98	0.0674	122.97	0.2214
33.99	0.0600	125.82	0.2271
33.96	0.0596	125.60	0.2277
26.83	0.0489	127.84	0.2319
21.88	0.0413	130.19	0.2385
21.90	0.0409	132.53	0.2412
16.69	0.0335	135.33	0.2447
11.74	0.0261	134.42	0.2492
11.77	0.0270	138.35	0.4706
5.05	0.0173	140.16	0.7438
0.02	0.0111	142.63	0.8890
-0.04	0.0101	145.78	1.0150
-0.02	0.0090	142.52	1.2116
-0.02	0.0084	0.22	0.9012
0.02	0.0078		

FREE FIELD CIRCUMFERENTIAL STRAIN NEAR CYLINDER MID-HEIGHT GAGE B0024 (CH 1109)

AZ = 46.5 DEGREES R = 11 FT 8 IN. V = 13 FT 9 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 25 CHANNEL 1120

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0107
5.33	0.0024	19.55	0.0231
12.31	0.0061	29.57	0.0355
16.44	0.0087	39.42	0.0478
20.51	0.0130	49.16	0.0595
20.46	0.0134	54.50	0.0664
20.47	0.0135	59.57	0.0734
27.05	0.0248	64.20	0.0805
34.69	0.0400	69.32	0.0888
34.53	0.0406	74.16	0.0973
34.53	0.0401	80.16	0.1122
39.70	0.0489	85.61	0.1230
45.90	0.0612	90.58	0.1330
45.65	0.0640	95.69	0.1445
45.62	0.0642	100.92	0.1574
50.10	0.0720	103.25	0.1636
53.47	0.0776	106.11	0.1707
53.29	0.0789	108.31	0.1762
53.21	0.0795	111.08	0.1844
50.49	0.0773	113.24	0.1907
46.14	0.0736	117.83	0.2065
46.13	0.0732	120.92	0.2187
44.97	0.0696	123.28	0.2295
38.98	0.0633	122.97	0.2316
33.99	0.0576	125.82	0.2429
33.96	0.0572	125.60	0.2457
26.83	0.0485	127.84	0.2516
21.88	0.0416	130.19	0.2597
21.90	0.0413	132.53	0.2691
16.69	0.0348	135.33	0.2931
11.74	0.0284	134.42	0.3001
11.77	0.0294	138.35	0.3401
5.05	0.0218	140.16	0.7235
0.02	0.0163	142.63	1.0901
-0.04	0.0155	145.78	1.2414
-0.02	0.0142	142.52	1.3643
-0.02	0.0131	0.22	1.0469
0.02	0.0129		

FREE FIELD CIRCUMFERENTIAL STRAIN NEAR CYLINDER MID-HEIGHT
GAGE B0025 (CH 1120)

AZ = 45.5 DEGREES R = 11 FT 8 IN. V = 16 FT 3 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 1471

CHANNEL 1121

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	-0.0023
5.33	-0.0003	19.55	-0.0033
12.31	-0.0008	29.57	-0.0041
16.44	-0.0014	39.42	-0.0048
20.51	-0.0023	49.16	-0.0050
20.46	-0.0017	54.50	-0.0052
20.47	-0.0018	59.57	-0.0051
27.05	-0.0023	64.20	-0.0030
34.69	-0.0035	69.32	-0.0033
34.53	-0.0037	74.16	-0.0031
34.53	-0.0040	80.16	-0.0055
39.70	-0.0044	85.61	-0.0064
45.90	-0.0046	90.58	-0.0079
45.65	-0.0052	95.69	-0.0094
45.62	-0.0060	100.92	-0.0106
50.10	-0.0059	103.25	-0.0113
53.47	-0.0061	106.11	-0.0117
53.29	-0.0063	108.31	-0.0119
50.49	-0.0065	111.08	-0.0121
46.14	-0.0066	113.24	-0.0121
46.13	-0.0064	117.83	-0.0125
44.97	-0.0054	120.92	-0.0134
38.98	-0.0051	123.28	-0.0138
33.99	-0.0040	122.97	-0.0141
33.96	-0.0026	125.82	-0.0143
26.83	-0.0014	125.60	-0.0144
21.88	-0.0008	127.84	-0.0145
16.69	-0.0021	130.19	-0.0138
11.74	-0.0025	132.53	-0.0129
5.05	-0.0027	135.33	-0.0115
0.02	-0.0023	134.42	-0.0101
-0.04	0.0009	138.35	-0.0064
-0.02	0.0007	140.16	-0.0052
-0.02	0.0006	142.63	-0.0017
0.02	0.0005	145.78	0.0015
		142.52	0.0023
		0.22	-0.0018

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
 GAGE B1471 (CH 1121)
 AZ = 90 DEGREES R = 11 FT 8 IN. V = 1 FT 8 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 1481

CHANNEL 1122

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	-0.0047
5.33	-0.0023	19.55	-0.0066
12.31	-0.0048	29.57	-0.0078
16.44	-0.0064	39.42	-0.0086
20.51	-0.0072	49.16	-0.0089
20.46	-0.0071	54.50	-0.0091
20.47	-0.0067	59.57	-0.0089
27.05	-0.0077	64.20	-0.0077
34.69	-0.0081	69.32	-0.0074
34.53	-0.0078	74.16	-0.0081
34.53	-0.0084	80.16	-0.0094
39.70	-0.0089	85.61	-0.0100
45.90	-0.0092	90.58	-0.0101
45.65	-0.0096	95.69	-0.0103
45.62	-0.0093	100.92	-0.0106
50.10	-0.0099	103.25	-0.0112
53.47	-0.0097	106.11	-0.0115
53.29	-0.0100	108.31	-0.0117
53.21	-0.0098	111.08	-0.0126
50.49	-0.0099	113.24	-0.0126
46.14	-0.0094	117.83	-0.0125
46.13	-0.0095	120.92	-0.0126
44.97	-0.0090	123.28	-0.0125
38.98	-0.0087	122.97	-0.0124
33.99	-0.0082	125.82	-0.0123
33.96	-0.0073	125.60	-0.0122
26.83	-0.0067	127.84	-0.0117
21.88	-0.0066	130.19	-0.0104
21.90	-0.0078	132.53	-0.0081
16.69	-0.0073	135.33	-0.0052
11.74	-0.0078	134.42	-0.0049
11.77	-0.0080	138.35	-0.0006
5.05	-0.0069	140.16	0.0019
0.02	-0.0052	142.63	0.0071
-0.04	-0.0026	145.78	0.0114
-0.02	-0.0022	142.52	0.0110
-0.02	-0.0024	0.22	-0.0029
0.02	-0.0028		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE B1481 (CH 1122)

AZ = 89 DEGREES R = 11 FT 8 IN. V = 1 FT 10.8 IN.

REINFORCED CONCRETE TEST DATA

BONDED GAGE 1801

CHANNEL 1123

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0002	9.89	-0.0049
5.33	-0.0007	19.55	-0.0072
12.31	-0.0018	29.57	-0.02936
16.44	-0.0027	39.42	-1.1614
20.51	-0.0039	49.16	-0.0110
20.46	-0.0034	54.50	-0.0111
20.47	-0.0038	59.57	-0.0115
27.05	-0.1603	64.20	-0.0116
34.69	-0.8294	69.32	-0.0114
34.53	-0.0069	74.16	-0.0111
34.53	-0.0070	80.16	-0.0111
39.70	-1.4581	85.61	-0.0104
45.90	-0.3820	90.58	-0.0095
45.65	-0.0087	95.69	-0.0089
45.62	-0.0090	100.92	-0.0084
50.10	-0.0090	103.25	-0.0081
53.47	-0.0097	106.11	-0.0077
53.29	-0.0093	108.31	-0.0075
53.21	-0.0095	111.08	-0.0069
50.49	-0.0096	113.24	-0.0065
46.14	-0.0095	117.83	-0.0051
46.13	-0.0094	120.92	-0.0048
44.97	-0.0081	123.28	-0.0049
38.98	-0.0074	122.97	-0.0055
33.99	-0.0069	125.82	-0.0051
33.96	-0.0069	125.60	-0.0059
26.83	-0.0060	127.84	-0.0050
21.88	-0.0055	130.19	-0.0035
21.90	-0.0050	132.53	-0.0029
16.69	-0.0044	135.33	-0.0029
11.74	-0.1500	134.42	-0.0035
11.77	-0.0029	138.35	-0.0009
5.05	-2.6418	140.16	0.0015
0.02	0.0009	142.63	0.0050
-0.04	0.0007	145.78	0.0088
-0.02	-0.4497	142.52	0.0099
-0.02	-0.0003	0.22	-0.0091
0.02	0.0010		

DIAGONAL STRAIN OF BASEMAT/CYLINDER WALL JUNCTION

GAGE B1801 (CH 1123)

AZ = 330.78 DEGREES R = 11 FT 8.3 IN. V = 1 FT 8.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

BONDED GAGE 1811		CHANNEL 1124	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0031
5.33	-0.0015	19.55	-0.0048
12.31	-0.0014	29.57	-0.0060
16.44	-0.0019	39.42	-0.0065
20.51	-0.0025	49.16	-0.0079
20.46	-0.0028	54.50	-0.0077
20.47	-0.0029	59.57	-0.0079
27.05	-0.0044	64.20	-0.0079
34.69	-0.0056	69.32	-0.0082
34.53	-0.0058	74.16	-0.0088
34.53	-0.0057	80.16	-0.0079
39.70	-0.0063	85.61	-0.0076
45.90	-0.0065	90.58	-0.0078
45.65	-0.0070	95.69	-0.0075
45.62	-0.0063	100.92	-0.0070
50.10	-0.0070	103.25	-0.0064
53.47	-0.0063	106.11	-0.0053
53.29	-0.0064	108.31	-0.0061
53.21	-0.0063	111.08	-0.0060
50.49	-0.0057	113.24	-0.0058
46.14	-0.0054	117.83	-0.0055
46.13	-0.0051	120.92	-0.0059
44.97	-0.0071	123.28	-0.0068
38.98	-0.0066	122.97	-0.0076
33.99	-0.0062	125.82	-0.0084
33.96	-0.0063	125.60	-0.0101
26.83	-0.0057	127.84	-0.0101
21.80	-0.0051	130.19	-0.0116
21.90	-0.0050	132.53	-0.0115
16.69	-0.0041	135.33	-0.0127
11.74	-0.0033	134.42	-0.0147
11.77	-0.0034	138.35	-0.0137
5.05	-0.0020	140.16	-0.0134
0.02	-0.0009	142.63	-0.0126
-0.04	0.0005	145.78	-0.0104
-0.02	-0.0026	142.52	-0.0105
-0.02	-0.0030	0.22	-0.0157
0.02	-0.0017		

DIAGONAL STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE B1811 (CH 1124)

AZ = 329.88 DEGREES R = 11 FT 8.3 IN. V = 1 FT 11.5 IN.

UNCLASSIFIED

END

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SECURITY CLASSIFICATION

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DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

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AT

24

REDUCTION

Strain Gages, Single

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2302	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0024	9.89	-0.0071
5.33	-0.0010	19.55	-0.0085
12.31	0.0053	29.57	-0.0090
16.44	0.0143	39.42	-0.0089
20.51	0.0150	49.16	-0.0088
20.46	0.0168	54.50	-0.0088
20.47	0.0170	59.57	-0.0086
27.05	0.0165	64.20	-0.0089
34.69	0.0169	69.32	-0.0094
34.53	0.0183	74.16	-0.0099
34.53	0.0177	80.16	-0.0112
39.70	0.0151	85.61	-0.0112
45.90	0.0133	90.58	-0.0116
45.65	0.0096	95.69	-0.0117
45.62	0.0088	100.92	-0.0118
50.10	0.0082	103.25	-0.0114
53.47	0.0081	106.11	-0.0115
53.29	0.0073	108.31	-0.0117
53.21	0.0013	111.08	-0.0114
50.19	0.0044	113.24	-0.0108
46.14	0.0055	117.83	-0.0103
46.13	0.0067	120.92	-0.0096
44.97	0.0168	123.28	-0.0089
38.98	0.0159	122.97	-0.0086
33.99	0.0170	125.82	-0.0081
33.96	0.0166	125.60	-0.0077
26.83	0.0169	127.84	-0.0075
21.88	0.0188	130.19	-0.0075
21.90	0.0201	132.53	-0.0074
16.03	0.0200	135.33	-0.0086
11.74	0.0179	134.42	-0.0092
11.77	0.0136	138.35	-0.0119
5.05	0.0108	140.16	-0.0146
0.02	0.0181	142.63	-0.0190
-0.04	0.0200	145.78	-0.0218
-0.02	0.0217	142.52	-0.0211
-0.02	0.0225	0.22	0.0073
0.02	0.0239		

SINGLE GAGE ON FLOOR LINER BELOW EQ-A
GAGE S0001 (CH 2302)
AZ = 359.87 DEGREES V = FLOOR

SINGLE GAGE ON FLOOR LINER BELOW PL-A
GAGE S0002 (CH 2303)
AZ = 89.62 DEGREES V = FLOOR

C-1589

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2304	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0018	9.89	-0.0077
5.33	-0.0063	19.55	-0.0088
12.31	-0.0139	29.57	-0.0101
16.44	-0.0166	39.42	-0.0117
20.51	-0.0175	49.16	-0.0132
20.46	-0.0174	54.50	-0.0142
20.47	-0.0175	59.57	-0.0149
27.05	-0.0191	64.20	-0.0157
34.69	-0.0211	69.32	-0.0170
34.53	-0.0210	74.16	-0.0189
34.53	-0.0222	80.16	-0.0225
39.70	-0.0234	85.61	-0.0243
45.90	-0.0241	90.58	-0.0262
45.65	-0.0246	95.69	-0.0289
45.62	-0.0244	100.92	-0.0317
50.10	-0.0254	103.25	-0.0327
53.47	-0.0263	106.11	-0.0337
53.29	-0.0260	108.31	-0.0348
53.21	-0.0269	111.08	-0.0359
50.49	-0.0251	113.24	-0.0367
46.14	-0.0257	117.83	-0.0385
46.13	-0.0254	120.92	-0.0401
44.97	-0.0220	123.28	-0.0411
38.98	-0.0227	122.97	-0.0411
33.99	-0.0211	125.82	-0.0426
33.96	-0.0212	125.60	-0.0427
26.83	-0.0218	127.84	-0.0439
21.88	-0.0206	130.19	-0.0460
21.90	-0.0217	132.53	-0.0483
16.69	-0.0206	135.33	-0.0520
11.74	-0.0206	134.42	-0.0527
11.77	-0.0210	138.35	-0.0582
5.05	-0.0204	140.16	-0.0621
0.02	-0.0196	142.63	-0.0673
-0.04	-0.0137	145.78	-0.0726
-0.02	-0.0124	142.52	-0.0710
-0.02	-0.0133	0.22	-0.0286
0.02	-0.0152		

SINGLE GAGE ON WALL/FLOOR SEAM BELOW PL-A
 GAGE S0003 (CH 2304)
 AZ = 89.53 DEGREES V = ON RADIUS

SINGLE GAGE ON WALL/FLOOR SEAM BELOW PL-A
 GAGE S0004 (CH 2305)
 AZ = 89.55 DEGREES V = ON RADIUS

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2306	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0008
5.33	-0.0001	19.55	-0.0041
12.31	0.0007	29.57	-0.0074
16.44	0.0010	39.42	-0.0109
20.51	-0.0001	49.16	-0.0146
20.46	-0.0006	54.50	-0.0166
20.47	-0.0014	59.57	-0.0188
27.05	-0.0030	64.20	-0.0210
34.69	-0.0072	69.32	-0.0226
34.53	-0.0092	74.16	-0.0239
34.53	-0.0102	80.16	-0.0258
39.70	-0.0121	85.61	-0.0239
45.90	-0.0158	90.58	-0.0228
45.65	-0.0159	95.69	-0.0205
45.62	-0.0160	100.92	-0.0217
50.10	-0.0175	103.25	-0.0217
53.47	-0.0188	106.11	-0.0219
53.29	-0.0188	108.31	-0.0224
53.21	-0.0192	111.08	-0.0223
50.49	-0.0176	113.24	-0.0222
46.14	-0.0163	117.83	-0.0211
46.13	-0.0154	120.92	-0.0205
44.97	-0.0134	123.28	-0.0202
38.98	-0.0113	122.97	-0.0197
33.99	-0.0101	125.82	-0.0197
33.96	-0.0101	125.60	-0.0193
26.83	-0.0091	127.84	-0.0197
21.88	-0.0069	130.19	-0.0200
21.90	-0.0074	132.53	-0.0205
16.69	-0.0067	135.33	-0.0210
11.74	-0.0049	134.42	-0.0206
11.77	-0.0052	138.35	-0.0219
5.05	-0.0027	140.16	-0.0243
0.02	-0.0017	142.63	-0.0259
-0.04	0.0012	145.78	-0.0263
-0.02	0.0007	142.52	-0.0239
-0.02	0.0000	0.22	0.0074
0.02	0.0005		

SINGLE GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE S0005 (CH 2306)
 AZ = 90.43 DEGREES V = 2 FT 1.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2307	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0012	9.89	-0.0057
5.33	0.0005	19.55	-0.0145
12.31	-0.0014	29.57	-0.0227
16.44	-0.0027	39.42	-0.0284
20.51	-0.0066	49.16	-0.0339
20.46	-0.0071	54.50	-0.0370
20.47	-0.0092	59.57	-0.0400
27.05	-0.0152	64.20	-0.0443
34.69	-0.0242	69.32	-0.0489
34.53	-0.0277	74.16	-0.0553
34.53	-0.0276	80.16	-0.0645
39.70	-0.0317	85.61	-0.0701
45.90	-0.0384	90.58	-0.0710
45.65	-0.0385	95.69	-0.0627
45.62	-0.0382	100.92	-0.0616
50.10	-0.0403	103.25	-0.0607
53.47	-0.0432	106.11	-0.0605
53.29	-0.0428	108.31	-0.0602
53.21	-0.0422	111.08	-0.0599
50.49	-0.0414	113.24	-0.0600
46.14	-0.0393	117.83	-0.0597
46.13	-0.0393	120.92	-0.0582
44.97	-0.0358	123.28	-0.0568
38.98	-0.0334	122.97	-0.0564
33.99	-0.0306	125.82	-0.0555
33.96	-0.0314	125.60	-0.0550
26.83	-0.0283	127.84	-0.0549
21.88	-0.0259	130.19	-0.0540
21.90	-0.0276	132.53	-0.0537
16.69	-0.0226	135.33	-0.0543
11.74	-0.0185	134.42	-0.0549
11.77	-0.0174	138.35	-0.0575
5.05	-0.0133	140.16	-0.0591
0.02	-0.0086	142.63	-0.0611
-0.04	-0.0040	145.78	-0.0621
-0.02	-0.0039	142.52	-0.0579
-0.02	-0.0037	0.22	-0.0098
0.02	-0.0052		

SINGLE GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE S0006 (CH 2307)
 AZ = 90.43 DEGREES V = 2 FT 1.6 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2308	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0012	9.89	-0.0016
5.33	-0.0006	19.55	-0.0051
12.31	-0.0009	29.57	-0.0065
16.44	-0.0014	39.42	-0.0070
20.51	-0.0013	49.16	-0.0082
20.46	-0.0019	54.50	-0.0088
20.47	-0.0017	59.57	-0.0093
27.05	-0.0023	64.20	-0.0099
34.69	-0.0053	69.32	-0.0110
34.53	-0.0058	74.16	-0.0130
34.53	-0.0064	80.16	-0.0168
39.70	-0.0069	85.61	-0.0182
45.90	-0.0077	90.58	-0.0203
45.65	-0.0077	95.69	-0.0282
45.62	-0.0081	100.92	-0.0309
50.10	-0.0080	103.25	-0.0316
53.47	-0.0082	106.11	-0.0326
53.29	-0.0082	108.31	-0.0332
53.21	-0.0069	111.08	-0.0339
50.49	-0.0053	113.24	-0.0347
46.14	-0.0054	117.83	-0.0356
46.13	-0.0045	120.92	-0.0356
44.97	-0.0025	123.28	-0.0356
38.98	-0.0017	122.97	-0.0352
33.99	-0.0020	125.82	-0.0351
33.96	-0.0016	125.60	-0.0347
26.83	-0.0026	127.84	-0.0348
21.88	-0.0026	130.19	-0.0341
21.90	-0.0027	132.53	-0.0339
16.69	-0.0040	135.33	-0.0343
11.74	-0.0023	134.42	-0.0345
11.77	-0.0027	138.35	-0.0370
5.05	-0.0010	140.16	-0.0383
0.02	0.0010	142.63	-0.0399
-0.04	0.0062	145.78	-0.0403
-0.02	0.0062	142.52	-0.0371
-0.02	0.0053	0.22	-0.0158
0.02	0.0057		

SINGLE GAGE NEAR WALL/FLOOR SEAM BELOW PL-A
 GAGE S0007 (CH 2308)
 AZ = 90.43 DEGREES V = 2 FT 2.9 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2309	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0018	9.89	0.0020
5.33	0.0028	19.55	0.0010
12.31	0.0026	29.57	0.0000
16.44	0.0031	39.42	-0.0009
20.51	0.0013	49.16	-0.0023
20.46	0.0023	54.50	-0.0030
20.47	0.0024	59.57	-0.0039
27.05	0.0004	64.20	-0.0055
34.69	0.0004	69.32	-0.0070
34.53	-0.0010	74.16	-0.0096
34.53	-0.0011	80.16	-0.0126
39.70	-0.0023	85.61	-0.0147
45.90	-0.0031	90.58	-0.0164
45.65	-0.0036	95.69	-0.0186
45.62	-0.0040	100.92	-0.0204
50.10	-0.0048	103.25	-0.0210
53.47	-0.0045	106.11	-0.0225
53.29	-0.0043	108.31	-0.0238
53.21	-0.0051	111.08	-0.0246
50.49	-0.0037	113.24	-0.0257
46.14	-0.0031	117.83	-0.0286
46.13	-0.0030	120.92	-0.0310
44.97	-0.0019	123.28	-0.0331
38.98	-0.0002	122.97	-0.0331
33.99	0.0006	125.82	-0.0359
33.96	0.0007	125.60	-0.0367
26.83	0.0024	127.84	-0.0387
21.88	0.0027	130.19	-0.0429
21.90	0.0025	132.53	-0.0473
16.69	0.0032	135.33	-0.0520
11.74	0.0029	134.42	-0.0529
11.77	0.0031	138.35	-0.0603
5.05	0.0026	140.16	-0.0656
0.02	0.0008	142.63	-0.0681
-0.04	0.0018	145.78	-0.0751
-0.02	0.0021	142.52	-0.0699
-0.02	0.0015	0.22	-0.0320
0.02	0.0004		

SINGLE GAGE ON WALL/FLOOR SEAM
 GAGE S0008 (CH 2309)
 $\Delta Z = 226.97$ DEGREES $V = 0N$ RADIUS

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2320	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0082
5.33	0.0077	19.55	0.0081
12.31	0.0124	29.57	0.0063
16.44	0.0217	39.42	0.0049
20.51	0.0235	49.16	0.0042
20.46	0.0240	54.50	0.0039
20.47	0.0276	59.57	0.0036
27.05	0.0257	64.20	0.0023
34.69	0.0370	69.32	0.0016
34.53	0.0307	74.16	-0.0005
34.52	0.0295	80.16	-0.0026
39.70	0.0142	85.61	-0.0043
45.90	0.0052	90.58	-0.0056
45.65	0.0071	95.69	-0.0073
45.62	0.0055	100.92	-0.0091
50.10	0.0047	103.25	-0.0094
53.47	0.0045	106.11	-0.0104
53.29	0.0039	108.31	-0.0113
53.21	0.0051	111.08	-0.0116
50.49	0.0063	113.24	-0.0120
46.14	0.0069	117.83	-0.0133
46.13	0.0074	120.92	-0.0152
44.97	0.0175	123.28	-0.0165
38.98	0.0191	122.97	-0.0165
33.99	0.0201	125.82	-0.0182
33.96	0.0185	125.60	-0.0186
26.83	0.0175	127.84	-0.0204
21.88	0.0334	130.19	-0.0234
21.90	0.0421	132.53	-0.0267
16.69	0.0397	135.33	-0.0301
11.74	0.0211	134.42	-0.0308
11.77	0.0082	138.35	-0.0355
5.05	0.0077	140.16	-0.0393
0.02	0.0084	142.63	-0.0431
-0.04	0.0071	145.78	-0.0492
-0.02	0.0129	142.52	-0.0459
-0.02	0.0146	0.22	-0.0171
0.02	0.0148		

SINGLE GAGE ON WALL/FLOOR SEAM
 GAGE S0009 (CH 2320)
 AZ = 226.97 DEGREES V = ON RADIUS

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2321	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0011	9.89	0.0132
5.33	0.0061	19.55	0.0255
12.31	0.0110	29.57	0.0374
16.44	0.0136	39.42	0.0485
20.51	0.0187	49.16	0.0589
20.46	0.0198	54.50	0.0654
20.47	0.0203	59.57	0.0722
27.05	0.0289	64.20	0.0805
34.69	0.0403	69.32	0.0891
34.53	0.0423	74.16	0.0989
34.53	0.0427	80.16	0.1078
39.70	0.0505	85.61	0.1183
45.90	0.0616	90.58	0.1288
45.65	0.0619	95.69	0.1404
45.62	0.0617	100.92	0.1532
50.10	0.0674	103.25	0.1593
53.47	0.0733	106.11	0.1663
53.29	0.0741	108.31	0.1716
53.21	0.0745	111.08	0.1792
50.49	0.0739	113.24	0.1852
46.14	0.0701	117.83	0.2005
46.13	0.0698	120.92	0.2138
44.97	0.0686	123.28	0.2252
38.98	0.0640	122.97	0.2267
33.99	0.0581	125.82	0.2382
33.96	0.0583	125.60	0.2404
26.83	0.0499	127.84	0.2501
21.88	0.0442	130.19	0.2751
21.90	0.0453	132.53	0.3126
16.69	0.0391	135.33	0.3751
11.74	0.0338	134.42	0.3885
11.77	0.0316	138.35	0.4740
5.05	0.0234	140.16	0.5436
0.02	0.0147	142.63	0.6569
-0.04	0.0135	145.78	0.7609
-0.02	0.0128	142.52	0.7667
-0.02	0.0133	0.22	0.5389
0.02	0.0133		

SINGLE GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE S0010 (CH 2321)
 AZ = 158.65 DEGREES V = 12 FT 9.8 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2322	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	0.0114
5.33	0.0035	19.55	0.0232
12.31	0.0062	29.57	0.0354
16.44	0.0095	39.42	0.0465
20.51	0.0132	49.16	0.0570
20.46	0.0150	54.50	0.0632
20.47	0.0153	59.57	0.0703
27.05	0.0249	64.20	0.0780
34.69	0.0377	69.32	0.0867
34.53	0.0408	74.16	0.0963
34.53	0.0422	80.16	0.1061
39.70	0.0495	85.61	0.1167
45.90	0.0606	90.58	0.1268
45.65	0.0607	95.69	0.1376
45.62	0.0614	100.92	0.1493
50.10	0.0670	103.25	0.1546
53.47	0.0725	106.11	0.1605
53.29	0.0729	108.31	0.1657
53.21	0.0724	111.08	0.1729
50.49	0.0714	113.24	0.1788
46.14	0.0687	117.83	0.1946
46.13	0.0685	120.92	0.2093
44.97	0.0675	123.28	0.2216
38.98	0.0629	122.97	0.2229
33.99	0.0579	125.82	0.2332
33.96	0.0573	125.60	0.2348
26.83	0.0495	127.84	0.2423
21.88	0.0440	130.19	0.2636
21.90	0.0440	132.53	0.2987
16.69	0.0389	135.33	0.3550
11.74	0.0325	134.42	0.3652
11.77	0.0312	138.35	0.4477
5.05	0.0225	140.16	0.5255
0.02	0.0141	142.63	0.6550
-0.04	0.0123	145.78	0.7826
-0.02	0.0135	142.52	0.7903
-0.02	0.0138	0.22	0.5389
0.02	0.0138		

SINGLE GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE S0011 (CH 2322)
 AZ = 158.87 DEGREES V = 12 FT 9.8 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2323	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0017	9.89	0.0075
5.33	0.0002	19.55	0.0187
12.31	0.0022	29.57	0.0307
16.44	0.0039	39.42	0.0428
20.51	0.0079	49.16	0.0529
20.46	0.0091	54.50	0.0588
20.47	0.0098	59.57	0.0649
27.05	0.0186	64.20	0.0715
34.69	0.0317	69.32	0.0791
34.53	0.0353	74.16	0.0873
34.53	0.0351	80.16	0.0957
39.70	0.0427	85.61	0.1042
45.90	0.0534	90.58	0.1126
45.65	0.0543	95.69	0.1217
45.62	0.0541	100.92	0.1323
50.10	0.0581	103.25	0.1376
53.47	0.0643	106.11	0.1437
53.29	0.0644	108.31	0.1486
53.21	0.0651	111.08	0.1561
50.49	0.0638	113.24	0.1622
46.14	0.0601	117.83	0.1787
46.13	0.0600	120.92	0.1931
44.97	0.0600	123.28	0.2059
38.98	0.0547	122.97	0.2071
33.99	0.0498	125.82	0.2155
33.96	0.0498	125.60	0.2171
26.83	0.0422	127.84	0.2234
21.88	0.0373	130.19	0.2366
21.90	0.0377	132.53	0.2501
16.69	0.0319	135.33	0.2720
11.74	0.0269	134.42	0.2770
11.77	0.0243	138.35	0.3448
5.05	0.0182	140.16	0.4338
0.02	0.0135	142.63	0.5854
-0.04	0.0108	145.78	0.7385
-0.02	0.0112	142.52	0.7478
-0.02	0.0114	0.22	0.4711
0.02	0.0110		

SINGLE GAGE ON CYLINDER WALL NEAR EQ-B
 GAGE S0012 (CH 2323)
 AZ = 159.47 DEGREES V = 12 FT 9.8 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2324	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0015	9.89	0.0169
5.33	0.0113	19.55	0.0247
12.31	0.0212	29.57	0.0275
16.44	0.0254	39.42	0.0289
20.51	0.0281	49.16	0.0295
20.46	0.0288	54.50	0.0293
20.47	0.0288	59.57	0.0262
27.05	0.0313	64.20	0.0241
34.69	0.0354	69.32	0.0242
34.53	0.0356	74.16	0.0256
34.53	0.0355	80.16	0.0251
39.70	0.0375	85.61	0.0266
45.90	0.0422	90.58	0.0278
45.65	0.0422	95.69	0.0279
45.62	0.0425	100.92	0.0264
50.10	0.0448	103.25	0.0248
53.47	0.0468	106.11	0.0225
53.29	0.0469	108.31	0.0203
53.21	0.0473	111.08	0.0160
50.49	0.0465	113.24	0.0123
46.14	0.0462	117.83	0.0029
46.13	0.0461	120.92	-0.0031
44.97	0.0457	123.28	-0.0070
38.98	0.0446	122.97	-0.0070
33.99	0.0432	125.82	-0.0112
33.96	0.0424	125.60	-0.0104
26.83	0.0401	127.84	-0.0117
21.88	0.0373	130.19	-0.0130
21.90	0.0375	132.53	-0.0153
16.69	0.0345	135.33	-0.0163
11.74	0.0298	134.42	-0.0156
11.77	0.0307	138.35	-0.0229
5.05	0.0206	140.16	-0.0293
0.02	0.0092	142.63	-0.0408
-0.04	0.0118	145.78	-0.0516
-0.02	0.0122	142.52	-0.0521
-0.02	0.0115	0.22	-0.0638
0.02	0.0108		

SINGLE GAGE 6.68 DEGREES FROM CONSTRAINED PENETRATION
 GAGE S0013 (CH 2324)
 AZ = 308.32 DEGREES V = 20 FT 1.0 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2325	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0010	9.89	0.0203
5.33	0.0111	19.55	0.0306
12.31	0.0229	29.57	0.0353
16.44	0.0281	39.42	0.0383
20.51	0.0336	49.16	0.0402
20.46	0.0343	54.50	0.0409
20.47	0.0345	59.57	0.0387
27.05	0.0395	64.20	0.0357
34.69	0.0433	69.32	0.0363
34.53	0.0432	74.16	0.0379
34.53	0.0427	80.16	0.0358
39.70	0.0447	85.61	0.0357
45.90	0.0494	90.58	0.0356
45.65	0.0497	95.69	0.0347
45.62	0.0497	100.92	0.0348
50.10	0.0525	103.25	0.0347
53.47	0.0553	106.11	0.0343
53.29	0.0558	108.31	0.0343
53.21	0.0556	111.08	0.0340
50.49	0.0552	113.24	0.0343
46.14	0.0537	117.83	0.0350
46.13	0.0534	120.92	0.0352
44.97	0.0555	123.28	0.0353
38.98	0.0526	122.97	0.0356
33.99	0.0502	125.82	0.0356
33.96	0.0505	125.60	0.0361
26.83	0.0463	127.84	0.0362
21.88	0.0438	130.19	0.0352
21.90	0.0431	132.53	0.0341
16.69	0.0385	135.33	0.0341
11.74	0.0332	134.42	0.0338
11.77	0.0324	138.35	0.0334
5.05	0.0193	140.16	0.0321
0.02	0.0057	142.63	0.0289
-0.04	0.0095	145.78	0.0254
-0.02	0.0107	142.52	0.0208
-0.02	0.0098	0.22	-0.0128
0.02	0.0083		

SINGLE GAGE 6.67 DEGREES FROM CONSTRAINED PENETRATION
 GAGE S0014 (CH 2325)
 AZ = 308.33 DEGREES V = 20 F- 1.0 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2326	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0004	9.89	0.0111
5.33	0.0042	19.55	0.0214
12.31	0.0101	29.57	0.0333
16.44	0.0136	39.42	0.0448
20.51	0.0176	49.16	0.0558
20.46	0.0183	54.50	0.0621
20.47	0.0184	59.57	0.0692
27.05	0.0305	64.20	0.0755
34.69	0.0409	69.32	0.0816
34.53	0.0419	74.16	0.0860
34.53	0.0420	80.16	0.0895
39.70	0.0489	85.61	0.0915
45.90	0.0576	90.58	0.0937
45.65	0.0575	95.69	0.0958
45.62	0.0576	100.92	0.0983
50.10	0.0635	103.25	0.1006
53.47	0.0685	106.11	0.1017
53.29	0.0689	108.31	0.1030
53.21	0.0692	111.08	0.1051
50.49	0.0667	113.24	0.1063
46.14	0.0640	117.83	0.1091
46.13	0.0640	120.92	0.1134
44.97	0.0612	123.28	0.1157
38.98	0.0548	122.97	0.1148
33.99	0.0496	125.82	0.1176
33.96	0.0492	125.60	0.1167
26.83	0.0422	127.84	0.1215
21.88	0.0359	130.19	0.1233
21.90	0.0366	132.53	0.1276
16.69	0.0299	135.33	0.1476
11.74	0.0230	134.42	0.1462
11.77	0.0239	138.35	0.1602
5.05	0.0160	140.16	0.1805
0.02	0.0101	142.63	0.1923
-0.04	0.0097	145.78	0.2275
-0.02	0.0081	142.52	0.2186
-0.02	0.0070	0.22	0.0453
0.02	0.0084		

LOCAL SINGLE GAGE AT E0-A
 GAGE S0015 (CH 2326)
 AZ = 0.0 DEGREES Z = 0.0 FT 5.2 IN.

C-1616

CHANNEL 2327

STRUCTURAL INTEGRITY TEST			HIGH PRESSURE TEST		
Pressure (psig)	% Strain		Pressure (psig)	% Strain	
-0.05	0.0003		9.89	0.0103	
5.33	0.0041		19.55	0.0210	
12.31	0.0094		29.57	0.0330	
16.44	0.0128		39.42	0.0446	
20.51	0.0179		49.16	0.0561	
20.46	0.0183		54.50	0.0630	
20.47	0.0187		59.57	0.0702	
27.05	0.0321		64.20	0.0773	
34.69	0.0410		69.32	0.0835	
34.53	0.0408		74.16	0.0876	
34.53	0.0407		80.16	0.0897	
39.70	0.0473		85.61	0.0921	
45.90	0.0567		90.58	0.0945	
45.65	0.0566		95.69	0.0971	
45.62	0.0569		100.92	0.1000	
50.10	0.0627		103.25	0.1025	
53.47	0.0677		106.11	0.1039	
53.29	0.0678		108.31	0.1052	
53.21	0.0674		111.08	0.1076	
50.49	0.0664		113.24	0.1092	
46.14	0.0620		117.83	0.1122	
46.13	0.0615		120.92	0.1167	
44.97	0.0609		123.28	0.1196	
38.98	0.0553		122.97	0.1193	
33.99	0.0502		125.82	0.1224	
33.96	0.0498		125.60	0.1222	
26.83	0.0415		127.84	0.1271	
21.88	0.0359		130.19	0.1292	
21.90	0.0350		132.53	0.1341	
16.69	0.0292		135.33	0.1420	
11.74	0.0224		134.42	0.1410	
11.77	0.0226		138.35	0.1492	
5.05	0.0131		140.16	0.1523	
0.02	0.0065		142.63	0.1779	
-0.04	0.0061		145.78	0.1965	
-0.02	0.0064		142.52	0.1850	
-0.02	0.0061		0.22	0.0196	
0.02	0.0057				

LOCAL SINGLE GAGE AT EQ-A

GAGE S0016 (CH 2327)

AZ = 0.0 DEGREES Z = 0.0 FT 4.6 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2328	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0014	9.89	0.0102
5.33	0.0033	19.55	0.0202
12.31	0.0098	29.57	0.0311
16.44	0.0136	39.42	0.0416
20.51	0.0181	49.16	0.0520
20.46	0.0185	54.50	0.0581
20.47	0.0185	59.57	0.0645
27.05	0.0317	64.20	0.0704
34.69	0.0380	69.32	0.0759
34.53	0.0380	74.16	0.0796
34.53	0.0381	80.16	0.0826
39.70	0.0441	85.61	0.0848
45.90	0.0518	90.58	0.0872
45.65	0.0528	95.69	0.0896
45.62	0.0526	100.92	0.0923
50.10	0.0575	103.25	0.0944
53.47	0.0624	106.11	0.0958
53.29	0.0621	108.31	0.0971
53.21	0.0626	111.08	0.0991
50.49	0.0609	113.24	0.1005
46.14	0.0574	117.83	0.1036
46.13	0.0572	120.92	0.1077
44.97	0.0551	123.28	0.1100
38.98	0.0492	122.97	0.1093
33.99	0.0440	125.82	0.1122
33.96	0.0440	125.60	0.1117
26.83	0.0371	127.84	0.1160
21.88	0.0314	130.19	0.1183
21.90	0.0309	132.53	0.1223
16.69	0.0249	135.33	0.1290
11.74	0.0195	134.42	0.1280
11.77	0.0191	138.35	0.1369
5.05	0.0114	140.16	0.1413
0.02	0.0058	142.63	0.1462
-0.04	0.0048	145.78	0.1621
-0.02	0.0047	142.52	0.1508
-0.02	0.0044	0.22	0.0024
0.02	0.0038		

LOCAL SINGLE GAGE AT EQ-A
 GAGE S0017 (CH 2328)
 AZ = 0.0 DEGREES Z = 0.0 FT 4.0 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0

CHANNEL 2329

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
0.0006	0.0001	9.89	-0.0008
5.33	0.0001	19.55	-0.0029
12.31	0.0001	29.57	-0.0052
16.44	0.0007	39.42	-0.0072
20.51	0.0001	49.16	-0.0091
20.46	-0.0001	54.50	-0.0101
20.47	-0.0003	59.57	-0.0112
27.05	-0.0015	64.20	-0.0130
34.69	-0.0020	69.32	-0.0148
34.53	-0.0022	74.16	-0.0167
34.53	-0.0026	80.16	-0.0185
39.70	-0.0034	85.61	-0.0209
45.90	-0.0059	90.58	-0.0230
45.65	-0.0062	95.69	-0.0253
45.62	-0.0059	100.92	-0.0275
50.10	-0.0074	103.25	-0.0286
53.47	-0.0085	106.11	-0.0298
53.29	-0.0081	108.31	-0.0308
53.21	-0.0080	111.08	-0.0323
50.49	-0.0084	113.24	-0.0336
46.14	-0.0084	117.83	-0.0363
46.13	-0.0074	120.92	-0.0385
44.97	-0.0087	123.28	-0.0403
38.98	-0.0082	122.97	-0.0407
33.99	-0.0079	125.82	-0.0426
33.96	-0.0083	125.60	-0.0429
26.83	-0.0076	127.84	-0.0443
21.88	-0.0067	130.19	-0.0458
21.90	-0.0066	132.53	-0.0474
16.69	-0.0049	135.33	-0.0493
11.74	-0.0043	134.42	-0.0493
11.77	-0.0040	138.35	-0.0507
5.05	-0.0022	140.16	-0.0513
0.02	-0.0014	142.63	-0.0520
-0.04	-0.0008	145.78	-0.0533
-0.02	-0.0017	142.52	-0.0506
-0.02	-0.0020	0.22	0.0041
0.02	-0.0018		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0018 (CH 2329)
 AZ = 267.95 DEGREES Z = 0.0 FT 2.6 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2340	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0037
5.33	0.0000	19.55	0.0025
12.31	0.0010	29.57	0.0010
16.44	0.0023	39.42	-0.0004
20.51	0.0025	49.16	-0.0019
20.46	0.0027	54.50	-0.0026
20.47	0.0034	59.57	-0.0038
27.05	0.0028	64.20	-0.0052
34.69	0.0018	69.32	-0.0068
34.53	0.0028	74.16	-0.0085
34.53	0.0030	80.16	-0.0098
39.70	0.0020	85.61	-0.0116
45.90	-0.0001	90.58	-0.0132
45.65	0.0005	95.69	-0.0150
45.62	0.0011	100.92	-0.0168
50.10	0.0001	103.25	-0.0177
53.47	-0.0012	106.11	-0.0187
53.29	-0.0009	108.31	-0.0195
53.21	-0.0017	111.08	-0.0207
50.49	-0.0010	113.24	-0.0215
46.14	-0.0008	117.83	-0.0236
46.13	-0.0015	120.92	-0.0251
44.97	-0.0013	123.28	-0.0265
38.98	-0.0015	122.97	-0.0267
33.99	-0.0013	125.82	-0.0283
33.96	-0.0006	125.60	-0.0284
26.83	-0.0006	127.04	-0.0294
21.88	0.0007	130.19	-0.0306
21.90	0.0005	132.53	-0.0313
16.69	0.0001	135.33	-0.0318
11.74	0.0017	134.42	-0.0313
11.77	0.0009	138.35	-0.0316
5.05	0.0018	140.16	-0.0315
0.02	0.0037	142.63	-0.0310
-0.04	0.0017	145.78	-0.0313
-0.02	0.0085	142.52	-0.0292
-0.02	0.0092	0.22	0.0091
0.02	0.0087		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0019 (CH 2340)
 AZ = 267.95 DEGREES Z = 0.0 FT 3.15 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2341	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0012	9.89	0.0004
5.33	0.0011	19.55	0.0001
12.31	0.0015	29.57	-0.0011
16.44	0.0025	39.42	-0.0019
20.51	0.0019	49.16	-0.0029
20.46	0.0019	54.50	-0.0034
20.47	0.0020	59.57	-0.0042
27.05	0.0020	64.20	-0.0053
34.69	0.0025	69.32	-0.0067
34.53	0.0027	74.16	-0.0078
34.53	0.0027	80.16	-0.0087
39.70	0.0013	85.61	-0.0097
45.90	0.0015	90.58	-0.0108
45.65	0.0020	95.69	-0.0119
45.62	0.0015	100.92	-0.0130
50.10	0.0009	103.25	-0.0135
53.47	0.0001	106.11	-0.0141
53.29	0.0007	108.31	-0.0147
53.21	0.0006	111.08	-0.0153
50.49	0.0005	113.24	-0.0159
46.14	0.0002	117.83	-0.0172
46.13	0.0011	120.92	-0.0181
44.97	-0.0001	123.28	-0.0191
38.98	0.0005	122.97	-0.0193
33.99	0.0002	125.82	-0.0201
33.96	0.0003	125.60	-0.0203
26.83	0.0004	127.84	-0.0209
21.88	0.0009	130.19	-0.0214
21.90	0.0012	132.53	-0.0217
16.69	0.0006	135.33	-0.0217
11.74	0.0017	134.42	-0.0214
11.77	0.0017	138.35	-0.0209
5.05	0.0024	140.16	-0.0201
0.02	0.0031	142.63	-0.0191
-0.04	0.0030	145.78	-0.0184
-0.02	0.0028	142.52	-0.0173
-0.02	0.0030	0.22	0.0048
0.02	0.0032		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0020 (CH 2341)
 AZ = 267.95 DEGREES Z = 0.0 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2342	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0022	9.89	-0.0006
5.33	-0.0009	19.55	-0.0002
12.31	-0.0007	29.57	-0.0014
16.44	-0.0003	39.42	-0.0030
20.51	0.0010	49.16	-0.0041
20.46	0.0013	54.50	-0.0045
20.47	0.0008	59.57	-0.0046
27.05	-0.0003	64.20	-0.0043
34.69	-0.0024	69.32	-0.0031
34.53	-0.0035	74.16	-0.0023
34.53	-0.0035	80.16	-0.0013
39.70	-0.0035	85.61	0.0000
45.90	-0.0038	90.58	0.0013
45.65	-0.0034	95.69	0.0027
45.62	-0.0024	100.92	0.0032
50.10	-0.0030	103.25	0.0036
53.47	-0.0034	106.11	0.0045
53.29	-0.0032	108.31	0.0050
53.21	-0.0035	111.08	0.0058
50.49	-0.0035	113.24	0.0066
46.14	-0.0035	117.83	0.0083
46.13	-0.0043	120.92	0.0099
44.97	-0.0049	123.28	0.0111
38.98	-0.0038	122.97	0.0114
33.99	-0.0044	125.82	0.0127
33.96	-0.0035	125.60	0.0127
26.83	-0.0034	127.84	0.0136
21.38	-0.0027	130.19	0.0142
21.90	-0.0038	132.53	0.0150
16.69	-0.0031	135.33	0.0161
11.74	-0.0026	134.42	0.0164
11.77	-0.0024	138.35	0.0177
5.05	-0.0023	140.16	0.0187
0.02	-0.0012	142.63	0.0197
-0.04	-0.0017	145.78	0.0208
-0.02	-0.0014	142.52	0.0196
-0.02	-0.0009	0.22	-0.0104
0.02	-0.0016		

LOCAL SINGLE GAGE AT E0-B
 GAGE S0021 (CH 2342)
 AZ = 268.37 DEGREES Z = 2 FT .45 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2343	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0014	9.89	-0.0013
5.33	0.0022	19.55	-0.0013
12.31	0.0029	29.57	-0.0030
16.44	0.0035	39.42	-0.0048
20.51	0.0039	49.16	-0.0060
20.46	0.0032	54.50	-0.0062
20.47	0.0024	59.57	-0.0064
27.05	0.0021	64.20	-0.0058
34.69	-0.0001	69.32	-0.0047
34.53	-0.0007	74.16	-0.0038
34.53	-0.0009	80.16	-0.0018
39.70	-0.0010	85.61	-0.0002
45.90	-0.0008	90.58	0.0017
45.65	0.0002	95.69	0.0036
45.62	-0.0002	100.92	0.0049
50.10	-0.0003	103.25	0.0060
53.47	-0.0005	106.11	0.0071
53.29	-0.0010	108.31	0.0078
53.21	-0.0010	111.08	0.0089
50.49	-0.0013	113.24	0.0099
46.14	-0.0006	117.83	0.0119
46.13	-0.0009	120.92	0.0137
44.97	-0.0017	123.28	0.0156
38.98	-0.0015	122.97	0.0162
33.99	-0.0013	125.82	0.0176
33.96	-0.0014	125.60	0.0179
26.83	-0.0013	127.84	0.0183
21.88	-0.0012	130.19	0.0194
21.90	-0.0006	132.53	0.0198
16.69	-0.0016	135.33	0.0206
11.74	-0.0004	134.42	0.0207
11.77	-0.0004	138.35	0.0218
5.05	0.0008	140.16	0.0222
0.02	0.0017	142.63	0.0230
-0.04	0.0018	145.78	0.0233
-0.02	0.0021	142.52	0.0223
-0.02	0.0022	0.22	-0.0021
0.02	0.0018		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0022 (CH 2343)
 AZ = 268.38 DEGREES Z = 2 FT 1.13 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0

CHANNEL 2344

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	-0.0019
5.33	0.0006	19.55	-0.0026
12.31	0.0010	29.57	-0.0047
16.44	0.0011	39.42	-0.0070
20.51	0.0007	49.16	-0.0083
20.46	0.0011	54.50	-0.0086
20.47	0.0012	59.57	-0.0091
27.05	-0.0009	64.20	-0.0085
34.69	-0.0023	69.32	-0.0078
34.53	-0.0030	74.16	-0.0068
34.53	-0.0030	80.16	-0.0066
39.70	-0.0031	85.61	-0.0056
45.90	-0.0033	90.58	-0.0047
45.65	-0.0037	95.69	-0.0040
45.62	-0.0028	100.92	-0.0042
50.10	-0.0035	103.25	-0.0039
53.47	-0.0041	106.11	-0.0035
53.29	-0.0039	108.31	-0.0032
53.21	-0.0039	111.08	-0.0028
50.49	-0.0033	113.24	-0.0023
46.14	-0.0039	117.83	-0.0011
46.13	-0.0036	120.92	0.0001
44.97	-0.0039	123.28	0.0015
38.98	-0.0037	122.97	0.0019
33.99	-0.0033	125.82	0.0028
33.96	-0.0036	125.60	0.0028
26.83	-0.0032	127.84	0.0031
21.88	-0.0030	130.19	0.0032
21.90	-0.0032	132.53	0.0037
16.69	-0.0027	135.33	0.0040
11.74	-0.0031	134.42	0.0046
11.77	-0.0019	138.35	0.0053
5.05	-0.0014	140.16	0.0056
0.02	-0.0014	142.63	0.0060
-0.04	-0.0009	145.78	0.0056
-0.02	-0.0006	142.52	0.0053
-0.02	-0.0012	0.22	-0.0091
0.02	-0.0001		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0023 (CH 2344)
 AZ = 268.38 DEGREES Z = 2 FT 1.75 IN.

STRAIN GAGE 0 CHANNEL 2345

STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0008	9.89	0.0052
5.33	0.0003	19.55	0.0103
12.31	0.0034	29.57	0.0160
16.44	0.0054	39.42	0.0223
20.51	0.0100	49.16	0.0288
20.46	0.0101	54.50	0.0325
20.47	0.0115	59.57	0.0370
27.05	0.0186	64.20	0.0424
34.69	0.0221	69.32	0.0475
34.53	0.0233	74.16	0.0524
34.53	0.0235	80.16	0.0588
39.70	0.0281	85.61	0.0639
45.90	0.0331	90.58	0.0681
45.65	0.0335	95.69	0.0721
45.62	0.0338	100.92	0.0765
50.10	0.0367	103.25	0.0787
53.47	0.0391	106.11	0.0806
53.29	0.0396	108.31	0.0820
53.21	0.0389	111.08	0.0838
50.49	0.0388	113.24	0.0852
46.14	0.0370	117.83	0.0878
46.13	0.0364	120.92	0.0898
44.97	0.0343	123.28	0.0917
38.98	0.0327	122.97	0.0915
33.99	0.0308	125.82	0.0938
33.96	0.0313	125.60	0.0936
26.83	0.0282	127.84	0.0954
21.88	0.0260	130.19	0.0981
21.90	0.0260	132.53	0.1012
16.69	0.0231	135.33	0.1050
11.74	0.0210	134.42	0.1049
11.77	0.0213	138.35	0.1102
5.05	0.0175	140.16	0.1143
0.02	0.0154	142.63	0.1194
-0.04	0.0130	145.78	0.1262
-0.02	0.0134	142.52	0.1207
-0.02	0.0138	0.22	0.0207
0.02	0.0131		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0024 (CH 2345)
 AZ = 357.62 DEGREES Z = 0.0 FT 5.25 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2346	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0008	9.89	0.0054
5.33	0.0028	19.55	0.0111
12.31	0.0052	29.57	0.0170
16.44	0.0077	39.42	0.0235
20.51	0.0118	49.16	0.0302
20.46	0.0131	54.50	0.0346
20.47	0.0134	59.57	0.0392
27.05	0.0205	64.20	0.0453
34.69	0.0257	69.32	0.0509
34.53	0.0249	74.16	0.0561
34.53	0.0255	80.16	0.0619
39.70	0.0309	85.61	0.0671
45.90	0.0368	90.58	0.0713
45.65	0.0377	95.69	0.0756
45.62	0.0373	100.92	0.0799
50.10	0.0394	103.25	0.0819
53.47	0.0421	106.11	0.0838
53.29	0.0421	108.31	0.0854
53.21	0.0428	111.08	0.0872
50.49	0.0414	113.24	0.0887
46.14	0.0393	117.83	0.0914
46.13	0.0397	120.92	0.0934
44.97	0.0379	123.28	0.0951
38.98	0.0359	122.97	0.0951
33.99	0.0332	125.82	0.0973
33.96	0.0339	125.60	0.0978
26.83	0.0299	127.84	0.0998
21.88	0.0272	130.19	0.1025
21.90	0.0276	132.53	0.1055
16.69	0.0247	135.33	0.1090
11.74	0.0218	134.42	0.1089
11.77	0.0221	138.35	0.1141
5.05	0.0187	140.16	0.1173
0.02	0.0152	142.63	0.1225
-0.04	0.0149	145.78	0.1287
-0.02	0.0149	142.52	0.1220
-0.02	0.0140	0.22	0.0183
0.02	0.0140		

LOCAL SINGLE GAGE AT E0-B
 GAGE S0025 (CH 2346)
 AZ = 357.62 DEGREES Z = 0.0 FT 4.62 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2347	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	0.0054
5.33	0.0013	19.55	0.0109
12.31	0.0041	29.57	0.0169
16.44	0.0057	39.42	0.0230
20.51	0.0108	49.16	0.0296
20.46	0.0118	54.50	0.0336
20.47	0.0118	59.57	0.0381
27.05	0.0180	64.20	0.0437
34.69	0.0220	69.32	0.0489
34.53	0.0225	74.16	0.0537
34.53	0.0234	80.16	0.0596
39.70	0.0288	85.61	0.0643
45.90	0.0333	90.58	0.0684
45.65	0.0335	95.69	0.0721
45.62	0.0339	100.92	0.0763
50.10	0.0346	103.25	0.0780
53.47	0.0372	106.11	0.0798
53.29	0.0376	108.31	0.0813
53.21	0.0365	111.08	0.0829
50.49	0.0365	113.24	0.0844
46.14	0.0347	117.83	0.0869
46.13	0.0339	120.92	0.0887
44.97	0.0335	123.28	0.0904
38.98	0.0305	122.97	0.0904
33.99	0.0283	125.82	0.0924
33.96	0.0283	125.60	0.0924
26.83	0.0250	127.84	0.0942
21.88	0.0227	130.19	0.0966
21.90	0.0222	132.53	0.0993
16.69	0.0197	135.33	0.1025
11.74	0.0171	134.42	0.1021
11.77	0.0164	138.35	0.1067
5.05	0.0126	140.16	0.1098
0.02	0.0098	142.63	0.1144
-0.04	0.0075	145.78	0.1196
-0.02	0.0082	142.52	0.1127
-0.02	0.0088	0.22	0.0121
0.02	0.0086		

LOCAL SINGLE GAGE AT E0-B
 GAGE S0026 (CH 2347)
 AZ = 357.62 DEGREES Z = 0.0 FT 5.88 IN.

Pressure (psig)-Channel: #2

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2348	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0001	9.89	0.0037
5.33	0.0024	19.55	0.0060
12.31	0.0045	29.57	0.0070
16.44	0.0062	39.42	0.0076
20.51	0.0051	49.16	0.0091
20.46	0.0048	54.50	0.0102
20.47	0.0044	59.57	0.0117
27.05	0.0056	64.20	0.0149
34.69	0.0056	69.32	0.0184
34.53	0.0047	74.16	0.0209
34.53	0.0046	80.16	0.0239
39.70	0.0060	85.61	0.0263
45.90	0.0074	90.58	0.0286
45.65	0.0092	95.69	0.0308
45.62	0.0090	100.92	0.0330
50.10	0.0089	103.25	0.0339
53.47	0.0096	106.11	0.0350
53.29	0.0085	108.31	0.0358
53.21	0.0092	111.08	0.0369
50.49	0.0082	113.24	0.0375
46.14	0.0071	117.83	0.0391
46.13	0.0073	120.92	0.0404
44.97	0.0048	123.28	0.0407
38.98	0.0038	122.97	0.0400
33.99	0.0027	125.82	0.0412
33.96	0.0031	125.60	0.0411
26.83	0.0024	127.84	0.0417
21.80	0.0018	130.19	0.0427
21.90	0.0022	132.53	0.0434
16.69	0.0014	135.33	0.0443
11.74	0.0020	134.42	0.0442
11.77	0.0028	138.35	0.0454
5.05	0.0027	140.16	0.0459
0.02	0.0028	142.63	0.0466
-0.04	0.0005	145.78	0.0474
-0.02	0.0011	142.52	0.0432
-0.02	0.0016	0.22	0.0080
0.02	0.0010		

LOCAL SINGLE GAGE AT E0-B
 GAGE S0027 (CH 2348)
 AZ = 357.62 DEGREES Z = 2 FT 1.2 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2349	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0010	9.89	0.0042
5.33	0.0025	19.55	0.0062
12.31	0.0048	29.57	0.0075
16.44	0.0061	39.42	0.0085
20.51	0.0066	49.16	0.0103
20.46	0.0075	54.50	0.0118
20.47	0.0077	59.57	0.0133
27.05	0.0083	64.20	0.0169
34.69	0.0081	69.32	0.0207
34.53	0.0080	74.16	0.0232
34.53	0.0085	80.16	0.0262
39.70	0.0093	85.61	0.0288
45.90	0.0106	90.58	0.0312
45.65	0.0107	95.69	0.0335
45.62	0.0105	100.92	0.0358
50.10	0.0103	103.25	0.0368
53.47	0.0106	106.11	0.0380
53.29	0.0105	108.31	0.0387
53.21	0.0111	111.08	0.0399
50.49	0.0097	113.24	0.0407
46.14	0.0085	117.83	0.0424
46.13	0.0087	120.92	0.0437
44.97	0.0072	123.28	0.0443
38.98	0.0072	122.97	0.0436
33.99	0.0065	125.82	0.0445
33.96	0.0069	125.60	0.0442
26.83	0.0061	127.84	0.0450
21.88	0.0061	130.19	0.0457
21.90	0.0055	132.53	0.0464
16.69	0.0061	135.33	0.0474
11.74	0.0056	134.42	0.0467
11.77	0.0067	138.35	0.0484
5.05	0.0060	140.16	0.0490
0.02	0.0046	142.63	0.0497
-0.04	0.0038	145.78	0.0508
-0.02	0.0045	142.52	0.0463
-0.02	0.0040	0.22	0.0111
0.02	0.0054		

LOCAL SINGLE GAGE AT EQ-B
GAGE S0028 (CH 2349)

AZ = 357.62 DEGREES Z = 2 FT 1.7 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2360	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0007	9.89	0.0012
5.33	0.0007	19.55	0.0033
12.31	0.0029	29.57	0.0046
16.44	0.0040	39.42	0.0054
20.51	0.0039	49.16	0.0073
20.46	0.0038	54.50	0.0086
20.47	0.0042	59.57	0.0102
27.05	0.0054	64.20	0.0140
34.69	0.0041	69.32	0.0176
34.53	0.0082	74.16	0.0200
34.53	0.0082	80.16	0.0222
39.70	0.0088	85.61	0.0245
45.90	0.0100	90.58	0.0267
45.65	0.0096	95.69	0.0288
45.62	0.0102	100.92	0.0310
50.10	0.0103	103.25	0.0321
53.47	0.0109	106.11	0.0330
53.29	0.0106	108.31	0.0338
53.21	0.0096	111.08	0.0350
50.49	0.0096	113.24	0.0357
46.14	0.0081	117.83	0.0375
46.13	0.0078	120.92	0.0388
44.97	0.0078	123.28	0.0398
38.98	0.0068	122.97	0.0396
33.99	0.0059	125.82	0.0407
33.96	0.0058	125.60	0.0408
26.83	0.0051	127.84	0.0418
21.88	0.0056	130.19	0.0425
21.90	0.0057	132.53	0.0436
16.69	0.0047	135.33	0.0449
11.74	0.0055	134.42	0.0450
11.77	0.0059	138.35	0.0463
5.05	0.0050	140.16	0.0468
0.02	0.0050	142.63	0.0478
-0.04	0.0034	145.78	0.0491
-0.02	0.0037	142.52	0.0454
-0.02	0.0049	0.22	0.0138
0.02	0.0046		

LOCAL SINGLE GAGE AT EQ-B
 GAGE S0029 (CH 2360)
 AZ = 357.62 DEGREES Z = 2 FT 2.4 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2361	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	0.0038
5.33	0.0015	19.55	0.0071
12.31	0.0036	29.57	0.0111
16.44	0.0047	39.42	0.0149
20.51	0.0064	49.16	0.0187
20.46	0.0078	54.50	0.0207
20.47	0.0076	59.57	0.0216
27.05	0.0110	64.20	0.0221
34.69	0.0148	69.32	0.0218
34.53	0.0142	74.16	0.0207
34.53	0.0145	80.16	0.0173
39.70	0.0172	85.61	0.0140
45.90	0.0199	90.58	0.0102
45.65	0.0207	95.69	0.0059
45.62	0.0203	100.92	0.0007
50.10	0.0216	103.25	-0.0020
53.47	0.0229	106.11	-0.0044
53.29	0.0222	108.31	-0.0067
53.21	0.0223	111.08	-0.0100
50.49	0.0205	113.24	-0.0125
46.14	0.0185	117.83	-0.0187
46.13	0.0189	120.92	-0.0234
44.97	0.0159	123.28	-0.0268
38.98	0.0137	122.97	-0.0268
33.99	0.0118	125.82	-0.0315
33.96	0.0119	125.60	-0.0324
26.83	0.0087	127.84	-0.0353
21.88	0.0071	130.19	-0.0405
21.90	0.0073	132.53	-0.0468
16.69	0.0060	135.33	-0.0536
11.74	0.0043	134.42	-0.0543
11.77	0.0044	138.35	-0.0634
5.05	0.0027	140.16	-0.0695
0.02	0.0000	142.63	-0.0783
-0.04	0.0019	145.78	-0.0883
-0.02	0.0012	142.52	-0.0984
-0.02	0.0000	0.22	-0.0980
0.02	0.0004		

LOCAL SINGLE GAGE AT EQ-A
 GAGE S0030 (CH 2361)
 AZ = 270 DEGREES Z = 0.0 FT 2.7 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2362	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0018	9.89	0.0037
5.33	0.0002	19.55	0.0072
12.31	0.0029	29.57	0.0112
16.44	0.0042	39.42	0.0147
20.51	0.0069	49.16	0.0185
20.46	0.0075	54.50	0.0207
20.47	0.0087	59.57	0.0216
27.05	0.0123	64.20	0.0221
34.69	0.0156	69.32	0.0220
34.53	0.0162	74.16	0.0212
34.53	0.0165	80.16	0.0172
39.70	0.0177	85.61	0.0143
45.90	0.0207	90.58	0.0110
45.65	0.0199	95.69	0.0068
45.62	0.0202	100.92	0.0023
50.10	0.0212	103.25	-0.0003
53.47	0.0220	106.11	-0.0024
53.29	0.0212	108.31	-0.0042
53.21	0.0219	111.08	-0.0074
50.49	0.0205	113.24	-0.0095
46.14	0.0178	117.83	-0.0154
46.13	0.0171	120.92	-0.0197
44.97	0.0169	123.28	-0.0226
38.98	0.0146	122.97	-0.0227
33.99	0.0126	125.82	-0.0267
33.96	0.0124	125.60	-0.0271
26.83	0.0097	127.84	-0.0296
21.88	0.0077	130.19	-0.0338
21.90	0.0088	132.53	-0.0389
16.69	0.0073	135.33	-0.0439
11.74	0.0060	134.42	-0.0437
11.77	0.0055	138.35	-0.0511
5.05	0.0036	140.16	-0.0561
0.02	0.0027	142.63	-0.0644
-0.04	0.0019	145.78	-0.0748
-0.02	0.0022	142.52	-0.0855
-0.02	0.0020	0.22	-0.0941
0.02	0.0025		

LOCAL SINGLE GAGE AT E0-A
 GAGE S0031 (CH 2362)
 AZ = 270 DEGREES Z = 0.0 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2363	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0017	9.89	0.0030
5.33	0.0021	19.55	0.0064
12.31	0.0042	29.57	0.0099
16.44	0.0061	39.42	0.0134
20.51	0.0078	49.16	0.0170
20.46	0.0084	54.50	0.0189
20.47	0.0098	59.57	0.0200
27.05	0.0123	64.20	0.0204
34.69	0.0159	69.32	0.0208
34.53	0.0172	74.16	0.0205
34.53	0.0169	80.16	0.0186
39.70	0.0195	85.61	0.0160
45.90	0.0213	90.58	0.0131
45.65	0.0212	95.69	0.0097
45.62	0.0215	100.92	0.0056
50.10	0.0228	103.25	0.0036
53.47	0.0232	106.11	0.0018
53.29	0.0234	108.31	-0.0001
53.21	0.0225	111.08	-0.0027
50.49	0.0211	113.24	-0.0046
46.14	0.0196	117.83	-0.0100
46.13	0.0193	120.92	-0.0137
44.97	0.0178	123.28	-0.0171
38.98	0.0153	122.97	-0.0174
33.99	0.0133	125.82	-0.0212
33.96	0.0133	125.60	-0.0218
26.83	0.0112	127.84	-0.0243
21.88	0.0102	130.19	-0.0279
21.90	0.0099	132.53	-0.0328
16.69	0.0081	135.33	-0.0381
11.74	0.0074	134.42	-0.0387
11.77	0.0080	138.35	-0.0456
5.05	0.0068	140.16	-0.0504
0.02	0.0053	142.63	-0.0580
-0.04	0.0046	145.78	-0.0677
-0.02	0.0049	142.52	-0.0778
-0.02	0.0054	0.22	-0.0906
0.02	0.0052		

LOCAL SINGLE GAGE AT E0-A
GAGE S0032 (CH 2363)
AZ = 270 DEGREES Z = 0.0 FT 3.9 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2424	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data This gage was added after SIT		9.89	-0.0074
		19.55	-0.0015
		29.57	0.0035
		39.42	0.0084
		49.16	0.0141
		54.50	0.0143
		59.57	0.0122
		64.20	0.0214
		69.32	0.0262
		74.16	0.0072
		80.16	0.0232
		85.61	0.0286
		90.58	0.0333
		95.69	0.0384
		100.92	0.0479
		103.25	0.0532
		106.11	0.0566
		108.31	0.0592
		111.08	0.0629
		113.24	0.0657
		117.83	0.0716
		120.92	0.0755
		123.28	0.0787
		122.97	0.0792
		125.82	0.0847
		125.60	0.0875
		127.84	0.0917
		130.19	0.0958
		132.53	0.1018
		135.33	0.1037
		134.42	0.0810
		138.35	0.0633
		140.16	0.0786
		142.63	0.1011
		145.78	0.1411
		142.52	0.1525
		0.22	0.1064

SINGLE GAGE NEAR EQ-A (POST SIT)

GAGE S0033 (CH 2424)

AZ = 20.73 DEGREES V = 12 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2425	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0135
This gage was added after SIT		19.55	0.0185
		29.57	0.0248
		39.42	0.0308
		49.16	0.0373
		54.50	0.0400
		59.57	0.0452
		64.20	0.0469
		69.32	0.0526
		74.16	0.0502
		80.16	0.0183
		85.61	0.0221
		90.58	0.0277
		95.69	0.0328
		100.92	0.0382
		103.25	0.0391
		106.11	0.0396
		108.31	0.0412
		111.08	0.0445
		113.24	0.0469
		117.83	0.0521
		120.92	0.0562
		123.28	0.0576
		122.97	0.0596
		125.82	0.0597
		125.60	0.0588
		127.84	0.0599
		130.19	0.0617
		132.53	0.0640
		135.33	0.0831
		134.42	0.0785
		138.35	-0.0290
		140.16	-0.0285
		142.63	-0.0057
		145.78	0.0162
		142.52	0.0341
		0.22	-0.0058

SINGLE GAGE NEAR EO-A (POST SIT)

GAGE S0034 (CH 2425)

AZ = 20.95 DEGREES V = 12 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2426	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	-0.0016
This gage was added after SIT		19.55	0.0020
		29.57	0.0072
		39.42	0.0127
		49.16	0.0179
		54.50	0.0208
		59.57	0.0240
		64.20	0.0275
		69.32	0.0308
		74.16	0.0357
		80.16	0.0386
		85.61	0.0427
		90.58	0.0466
		95.69	0.0510
		100.92	0.0559
		103.25	0.0583
		106.11	0.0611
		108.31	0.0632
		111.08	0.0663
		113.24	0.0686
		117.83	0.0736
		120.92	0.0770
		123.28	0.0802
		122.97	0.0807
		125.82	0.0842
		125.60	0.0851
		127.84	0.0876
		130.19	0.0916
		132.53	0.0958
		135.33	0.1023
		134.42	0.1042
		138.35	0.1150
		140.16	0.1231
		142.63	0.1361
		145.78	0.1514
		142.52	0.1463
		0.22	0.0941

SINGLE GAGE NEAR EQ-A (POST SIT)

GAGE S0035 (CH 2426)

AZ = 21.17 DEGREES V = 12 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2427	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0062
This gage was added after SIT		19.55	0.0118
		29.57	0.0172
		39.42	0.0224
		49.16	0.0275
		54.50	0.0306
		59.57	0.0336
		64.20	0.0370
		69.32	0.0406
		74.16	0.0421
		80.16	0.0445
		85.61	0.0474
		90.58	0.0506
		95.69	0.0538
		100.92	0.0570
		103.25	0.0584
		106.11	0.0598
		108.31	0.0610
		111.08	0.0625
		113.24	0.0638
		117.83	0.0670
		120.92	0.0690
		123.28	0.0707
		122.97	0.0707
		125.82	0.0720
		125.60	0.0719
		127.84	0.0720
		130.19	0.0693
		132.53	0.0649
		135.33	0.0667
		134.42	0.0670
		138.35	0.0713
		140.16	0.0669
		142.63	0.0585
		145.78	0.0708
		142.52	0.0662
		0.22	-0.0168

SINGLE GAGE NEAR EQ-B (POST SIT)
 GAGE S0036 (CH 2427)
 AZ = 144.38 DEGREES V = 16 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2428	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
No SIT data		9.89	0.0066
This gage was added after SIT		19.55	0.0127
		29.57	0.0185
		39.42	0.0242
		49.16	0.0301
		54.50	0.0336
		59.57	0.0371
		64.20	0.0409
		69.32	0.0452
		74.16	0.0496
		80.16	0.0525
		85.61	0.0566
		90.58	0.0605
		95.69	0.0649
		100.92	0.0687
		103.25	0.0704
		106.11	0.0722
		108.31	0.0735
		111.08	0.0754
		113.24	0.0768
		117.83	0.0802
		120.92	0.0824
		123.28	0.0834
		122.97	0.0820
		125.82	0.0809
		125.60	0.0789
		127.84	0.0785
		130.19	0.0749
		132.53	0.0703
		135.33	0.0689
		134.42	0.0666
		138.35	0.0655
		140.16	0.0705
		142.63	0.0727
		145.78	0.0825
		142.52	0.0766
		0.22	-0.0014

SINGLE GAGE NEAR EQ-B (POST SIT)

GAGE S0037 (CH 2428)

AZ = 144.62 DEGREES V = 16 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2429	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0054
5.33	0.0000	19.55	0.0111
12.31	0.0000	29.57	0.0167
16.44	0.0000	39.42	0.0222
20.51	0.0000	49.16	0.0278
20.46	0.0000	54.50	0.0308
20.47	0.0000	59.57	0.0342
27.05	0.0000	64.20	0.0371
34.69	0.0000	69.32	0.0408
34.53	0.0000	74.16	0.0437
34.53	0.0000	80.16	0.0533
39.70	0.0000	85.61	0.0574
45.90	0.0000	90.58	0.0612
45.65	0.0000	95.69	0.0658
45.62	0.0000	100.92	0.0697
50.10	0.0000	103.25	0.0714
53.47	0.0000	106.11	0.0733
53.29	0.0000	108.31	0.0746
53.21	0.0000	111.08	0.0764
50.49	0.0000	113.24	0.0777
46.14	0.0000	117.83	0.0811
46.13	0.0000	120.92	0.0831
44.97	0.0000	123.28	0.0843
38.98	0.0000	122.97	0.0836
33.99	0.0000	125.82	0.0845
33.96	0.0000	125.60	0.0832
26.83	0.0000	127.84	0.0828
21.88	0.0000	130.19	0.0797
21.90	0.0000	132.53	0.0732
16.69	0.0000	135.33	0.0705
11.74	0.0000	134.42	0.0624
11.77	0.0000	138.35	0.0599
5.05	0.0000	140.16	0.0652
0.02	0.0000	142.63	0.0756
-0.04	0.0000	145.78	0.0934
-0.02	0.0000	142.52	0.0906
-0.02	0.0000	0.22	0.0357
0.02	0.0000		

SINGLE GAGE NEAR EO-B (POST SIT)

GAGE S0038 (CH 2429)

AZ = 144.87 DEGREES V = 16 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2465	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	-0.0017
5.33	0.0000	19.55	-0.0047
12.31	0.0000	29.57	-0.0081
16.44	0.0000	39.42	-0.0118
20.51	0.0000	49.16	-0.0162
20.46	0.0000	54.50	-0.0181
20.47	0.0000	59.57	-0.0198
27.05	0.0000	64.20	-0.0214
34.69	0.0000	69.32	-0.0190
34.53	0.0000	74.16	-0.0131
34.53	0.0000	80.16	-0.0067
39.70	0.0000	85.61	-0.0002
45.90	0.0000	90.58	0.0062
45.65	0.0000	95.69	0.0126
45.62	0.0000	100.92	0.0197
50.10	0.0000	103.25	0.0234
53.47	0.0000	106.11	0.0265
53.29	0.0000	108.31	0.0288
53.21	0.0000	111.08	0.0328
50.49	0.0000	113.24	0.0352
46.14	0.0000	117.83	0.0386
46.13	0.0000	120.92	0.0423
44.97	0.0000	123.28	0.0437
38.98	0.0000	122.97	0.0430
33.99	0.0000	125.82	0.0463
33.96	0.0000	125.60	0.0462
26.83	0.0000	127.84	0.0469
21.88	0.0000	130.19	0.0480
21.90	0.0000	132.53	0.0494
16.69	0.0000	135.33	0.0506
11.74	0.0000	134.42	0.0494
11.77	0.0000	138.35	0.0505
5.05	0.0000	140.16	0.0502
0.02	0.0000	142.63	0.0499
-0.04	0.0000	145.78	0.0492
-0.02	0.0000	142.52	0.0398
-0.02	0.0000	0.22	0.0024
0.02	0.0000		

SINGLE GAGE ON BOLT HOLDING OUTSIDE COVER TO EQ-B
 GAGE S0054 (CH 2465)
 AZ = 276.65 DEGREES

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2467	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	0.0002
5.33	0.0000	19.55	0.0009
12.31	0.0000	29.57	0.0011
16.44	0.0000	39.42	0.0010
20.51	0.0000	49.16	-0.0003
20.46	0.0000	54.50	0.0002
20.47	0.0000	59.57	0.0023
27.05	0.0000	64.20	0.0049
34.69	0.0000	69.32	0.0086
34.53	0.0000	74.16	0.0120
34.53	0.0000	80.16	0.0200
39.70	0.0000	85.61	0.0279
45.90	0.0000	90.58	0.0365
45.65	0.0000	95.69	0.0470
45.52	0.0000	100.92	0.0576
50.10	0.0000	103.25	0.0626
53.47	0.0000	106.11	0.0688
53.29	0.0000	108.31	0.0735
53.21	0.0000	111.08	0.0801
50.49	0.0000	113.24	0.0850
46.14	0.0000	117.83	0.0963
46.13	0.0000	120.92	0.1056
44.97	0.0000	123.28	0.1127
38.98	0.0000	122.97	0.1133
33.99	0.0000	125.82	0.1215
33.96	0.0000	125.60	0.1225
26.83	0.0000	127.84	0.1278
21.88	0.0000	130.19	0.1365
21.90	0.0000	132.53	0.1467
16.69	0.0000	135.33	0.1627
11.74	0.0000	134.42	0.1669
11.77	0.0000	138.35	0.1866
5.05	0.0000	140.16	0.2060
0.02	0.0000	142.63	0.2422
-0.04	0.0000	145.78	0.2895
-0.02	0.0000	142.52	0.3104
-0.02	0.0000	0.22	0.1296
0.02	0.0000		

SINGLE GAGE ON BOLT HOLDING OUTSIDE COVER TO EQ-B
GAGE S0056 (CH 2467)
AZ = 28.27 DEGREES

REINFORCED CONCRETE TEST DATA

STRAIN GAGE 0		CHANNEL 2469	
STRUCTURAL INTEGRITY TEST		HIGH PRESSURE TEST	
Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	9.89	-0.0008
5.33	0.0000	19.55	-0.0021
12.31	0.0000	29.57	-0.0037
16.44	0.0000	39.42	-0.0054
20.51	0.0000	49.16	-0.0079
20.46	0.0000	54.50	-0.0096
20.47	0.0000	59.57	-0.0115
27.05	0.0000	64.20	-0.0146
34.69	0.0000	69.32	-0.0163
34.53	0.0000	74.16	-0.0128
34.53	0.0000	80.16	-0.0078
39.70	0.0000	85.61	-0.0022
45.90	0.0000	90.58	0.0035
45.65	0.0000	95.69	0.0094
45.62	0.0000	100.92	0.0157
50.10	0.0000	103.25	0.0184
53.47	0.0000	106.11	0.0212
53.29	0.0000	108.31	0.0237
53.21	0.0000	111.08	0.0271
50.49	0.0000	113.24	0.0296
46.14	0.0000	117.83	0.0339
46.13	0.0000	120.92	0.0377
44.97	0.0000	123.28	0.0403
38.98	0.0000	122.97	0.0407
33.99	0.0000	125.82	0.0430
33.96	0.0000	125.60	0.0427
26.83	0.0000	127.84	0.0431
21.88	0.0000	130.19	0.0447
21.90	0.0000	132.53	0.0465
16.69	0.0000	135.33	0.0485
11.74	0.0000	134.42	0.0486
11.77	0.0000	138.35	0.0498
5.05	0.0000	140.16	0.0503
0.02	0.0000	142.63	0.0517
-0.04	0.0000	145.78	0.0523
-0.02	0.0000	142.52	0.0493
-0.02	0.0000	0.22	0.0346
0.02	0.0000		

SINGLE GAGE ON BOLT HOLDING OUTSIDE COVER TO EO-B
 GAGE S0058 (CH 2469)
 AZ = 180.00 DEGRLES

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24

REDUCTION

Thermocouples

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 60

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	75.4680	9.89	75.9550
5.33	75.5120	19.55	75.9550
12.31	75.6010	29.57	75.9550
16.44	75.8660	39.42	75.9990
20.51	75.3350	49.16	75.9100
20.46	76.5740	54.50	75.9100
20.47	76.8390	59.57	75.8660
27.05	76.8840	64.20	75.9100
34.69	76.6180	69.32	75.9990
34.53	75.4680	74.16	75.9550
34.53	75.4680	80.16	76.0430
39.70	76.3530	85.61	75.9990
45.90	75.1130	90.58	75.9550
45.65	74.9810	95.69	76.0870
45.62	74.9360	100.92	76.0430
50.10	75.0250	103.25	76.0870
53.47	75.7330	106.11	76.0870
53.29	75.5560	108.31	76.0430
53.21	75.5120	111.08	76.0870
50.49	75.6010	113.24	76.0870
46.14	75.6450	117.83	76.0870
46.13	75.6010	120.92	76.1320
44.97	76.4410	123.28	76.1320
38.98	76.7510	122.97	76.0870
33.99	77.0160	125.82	76.0430
33.96	77.2810	125.60	76.0430
26.83	77.2370	127.84	76.0870
21.88	77.2370	130.19	76.1320
21.90	77.2810	132.53	76.1320
16.69	77.0600	135.33	76.1320
11.74	76.9280	134.42	76.1760
11.77	76.5300	138.35	76.1320
5.05	76.3530	140.16	76.1320
0.02	76.0870	142.63	76.0870
-0.04	75.0690	145.78	76.0870
-0.02	74.8480	142.52	76.0870
-0.02	74.9360	0.22	76.0870
0.02	75.0250		

TEMPERATURE IN BASEMAT
 THERMOCOUPLE T0001 (CH 0060)
 AZ = 95.83 DEGREES R = 8 FT 0.0 IN. V = -1 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 61

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	101.7400	9.89	78.6060
5.33	102.6000	19.55	78.6940
12.31	102.6400	29.57	78.6500
16.44	103.4600	39.42	78.6940
20.51	92.3140	49.16	78.6940
20.46	101.6600	54.50	78.6060
20.47	100.7900	59.57	78.6500
27.05	101.7000	64.20	78.6060
34.69	102.1300	69.32	78.6940
34.53	90.8350	74.16	78.6060
34.53	91.4440	80.16	78.3410
39.70	103.1600	85.61	78.2970
45.90	91.5310	90.58	78.2970
45.65	91.3140	95.69	78.2530
45.62	91.6180	100.92	78.2090
50.10	91.4440	103.25	78.2090
53.47	102.3000	106.11	78.0320
53.29	101.0500	108.31	78.0760
53.21	100.6200	111.08	78.0320
50.49	101.2700	113.24	77.9880
46.14	102.1700	117.83	78.0320
46.13	102.2100	120.92	77.9880
44.97	104.3600	123.28	77.8560
38.98	105.1300	122.97	77.6790
33.99	104.4500	125.82	77.6790
33.96	104.1100	125.60	77.5460
26.83	104.2800	127.84	77.4140
21.88	104.6200	130.19	77.5910
21.90	104.4100	132.53	77.5460
16.69	104.7900	135.33	77.5460
11.74	105.1800	134.42	77.5460
11.77	104.8800	138.35	77.1490
5.05	105.4800	140.16	77.3260
0.02	104.3200	142.63	77.5460
-0.04	86.7330	145.78	77.7230
-0.02	83.1400	142.52	77.7670
-0.02	83.4470	0.22	77.9880
0.02	83.6660		

TEMPERATURE IN BASEMAT
 THERMOCOUPLE T0002 (CH 0061)
 AZ = 91.75 DEGREES R = 11 FT 0.0 IN. V = -1 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 62

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.0470	9.89	79.1790
5.33	78.8270	19.55	79.1790
12.31	78.6500	29.57	79.1350
16.44	78.5620	39.42	79.0910
20.51	78.3410	49.16	79.0910
20.46	78.5620	54.50	79.1790
20.47	78.7380	59.57	79.2240
27.05	79.0910	64.20	79.4000
34.63	79.4000	69.32	79.4440
34.53	79.7970	74.16	79.6640
34.53	80.0610	80.16	81.2940
39.70	80.7660	85.61	81.4260
45.90	81.0300	90.58	81.2940
45.65	81.6900	95.69	81.2500
45.62	81.9970	100.92	81.0300
50.10	82.3930	103.25	80.6780
53.47	82.9640	106.11	80.5010
53.29	83.2270	108.31	80.4130
53.21	83.3590	111.08	80.1050
50.49	83.4470	113.24	80.0170
46.14	83.4470	117.83	79.8410
46.13	83.5790	120.92	79.6200
44.97	80.9860	123.28	79.2240
38.98	80.9420	122.97	79.0030
33.99	80.9420	125.82	78.7380
33.96	81.0740	125.60	78.4740
26.83	81.1620	127.84	78.3850
21.88	81.5140	130.19	78.2530
21.90	81.9970	132.53	78.2090
16.69	82.3490	135.33	78.2090
11.74	82.9640	134.42	78.2530
11.77	83.7100	138.35	78.4300
5.05	84.1490	140.16	78.7830
0.02	84.6310	142.63	79.3120
-0.04	82.7440	145.78	79.8850
-0.02	81.9090	142.52	80.6340
-0.02	81.6460	0.22	81.3820
0.02	81.2940		

TEMPERATURE IN BASEMAT
 THERMOCOUPLE T0003 (CH 0062)
 AZ = 90.23 DEGREES R = 11 FT 3.4 IN. V = 1 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 63

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	77.9440	9.89	78.8710
5.33	77.8560	19.55	78.8710
12.31	77.8560	29.57	78.7830
16.44	77.8110	39.42	78.7830
20.51	77.7670	49.16	78.6940
20.46	77.8560	54.50	78.7380
20.47	77.9440	59.57	78.6940
27.05	77.9880	64.20	78.7380
34.69	78.0320	69.32	78.7380
34.53	77.9000	74.16	78.8270
34.53	77.9880	80.16	79.0910
39.70	78.1210	85.61	79.2240
45.90	78.0760	90.58	79.2680
45.65	78.1210	95.69	79.4440
45.62	78.1650	100.92	79.5320
50.10	78.1650	103.25	79.6640
53.47	78.3410	106.11	79.7090
53.29	78.4300	108.31	79.7530
53.21	78.4740	111.08	79.7970
50.49	78.4740	113.24	79.8410
46.14	78.5180	117.83	79.8850
46.13	78.7380	120.92	79.9290
44.97	79.5760	123.28	79.9730
38.98	79.5760	122.97	79.9730
33.99	79.6200	125.82	80.0170
33.96	79.6200	125.60	79.9290
26.83	79.7090	127.84	79.8410
21.88	79.6640	130.19	80.1490
21.90	79.6200	132.53	80.1050
16.69	79.6200	135.33	80.1050
11.74	79.7090	134.42	80.1050
11.77	79.6640	138.35	80.1050
5.05	79.7530	140.16	80.1490
0.02	79.7530	142.63	80.0610
-0.04	80.1050	145.78	80.0170
-0.02	80.1050	142.52	79.9730
-0.02	80.1490	0.22	80.0170
0.02	80.0610		

TEMPERATURE IN BASEMAT
 THERMOCOUPLE T0004 (CH 0063)
 AZ = 91.92 R = 8 FT 0.0 IN. V = 1 FT 7 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 64

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	78.8270	9.89	79.4440
5.33	78.9590	19.55	79.5750
12.31	79.1790	29.57	79.7090
16.44	79.3120	39.42	79.8850
20.51	79.5320	49.16	80.1050
20.46	80.1490	54.50	80.2810
20.47	80.7220	59.57	80.5450
27.05	81.5140	64.20	80.8980
34.69	82.1730	69.32	81.2500
34.53	83.0520	74.16	81.8220
34.53	83.4030	80.16	82.8320
39.70	83.9740	85.61	82.5690
45.90	84.2370	90.55	82.4370
45.65	84.6310	95.69	82.1290
45.62	84.7190	100.92	81.8220
50.10	84.7630	103.25	81.3820
53.47	85.0700	106.11	81.1180
53.29	85.0260	108.31	80.9860
53.21	84.9380	111.08	80.7660
50.49	84.8500	113.24	80.5900
46.14	84.8070	117.83	80.3690
46.13	84.5870	120.92	80.1930
44.97	81.7340	123.28	79.7530
38.98	81.9090	122.97	79.5760
33.99	82.0410	125.82	79.4000
33.96	82.6570	125.60	79.2680
26.83	83.1840	127.84	79.2240
21.88	83.9740	130.19	79.2240
21.90	85.2890	132.53	79.3120
16.69	85.8580	135.33	79.6200
11.74	86.4270	134.42	79.9290
11.77	86.8640	138.35	80.6340
5.05	87.0390	140.16	81.4260
0.02	87.1260	142.63	82.3490
-0.04	82.5690	145.78	83.0080
-0.02	82.0410	142.52	83.4030
-0.02	81.8650	0.22	83.5350
0.02	81.9970		

TEMPERATURE IN BASEMAT/WALL JUNCTION
 THERMOCOUPLE T0005 (CH 0064)
 AZ = 90 DEGREES R = 11 FT 5 IN. V = 1 FT 7.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 65

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	78.9590	9.89	79.7090
5.33	79.2680	19.55	80.0610
12.31	79.7530	29.57	80.3250
16.44	80.1050	39.42	80.7660
20.51	80.6340	49.16	81.2500
20.46	81.5580	54.50	81.6460
20.47	82.4370	59.57	81.9530
27.05	83.9300	64.20	82.5250
34.69	85.1130	69.32	83.0520
34.53	86.2080	74.16	83.9300
34.53	86.7330	80.16	84.3680
39.70	87.3450	85.61	83.8860
45.90	87.4760	90.58	83.4030
45.65	87.5640	95.69	82.7440
45.62	87.4760	100.92	82.3050
50.10	87.2580	103.25	81.6460
53.47	87.2140	106.11	81.3380
53.29	86.9080	108.31	81.1620
53.21	86.6890	111.08	80.8100
50.49	86.3830	113.24	80.6780
46.14	86.0770	117.83	80.3250
46.13	85.6390	120.92	80.1490
44.97	82.3050	123.28	79.6200
38.98	82.7000	122.97	79.4440
33.99	83.0080	125.82	79.3120
33.96	84.1930	125.60	79.3120
26.83	85.1570	127.84	79.4000
21.88	86.4700	130.19	79.5760
21.90	88.6990	132.53	79.7090
16.69	89.4840	135.33	80.3250
11.74	90.0940	134.42	80.8980
11.77	90.2690	138.35	82.1290
5.05	90.1380	140.16	83.5790
0.02	89.7890	142.63	84.8070
-0.04	82.1290	145.78	85.6830
-0.02	81.8650	142.52	86.0330
-0.02	81.8220	0.22	84.7630
0.02	82.3930		

TEMPERATURE IN CYLINDER WALL
THERMOCOUPLE T0006 (CH 0065)
AZ = 89 DEGREES R = 11 FT 1.5 IN. V = 1 FT 11.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 66

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.0300	9.89	81.0300
5.33	81.2500	19.55	81.6900
12.31	81.6900	29.57	82.3930
16.44	82.0410	39.42	83.1400
20.51	82.5690	49.16	83.7540
20.46	83.1400	54.50	84.1930
20.47	83.7540	59.57	84.5870
27.05	85.2450	64.20	85.0260
34.69	86.7330	69.32	85.5080
34.53	87.9570	74.16	86.2080
34.53	88.4370	80.16	87.0390
39.70	89.4400	85.61	86.5140
45.90	90.0940	90.58	85.9890
45.65	90.3560	95.69	85.2450
45.62	90.2250	100.92	84.5440
50.10	90.2250	103.25	83.7100
53.47	90.0940	106.11	83.3150
53.29	89.7460	108.31	83.2270
53.21	89.3970	111.08	82.7440
50.49	88.7430	113.24	82.5690
46.14	88.2190	117.83	82.3050
46.13	87.6950	120.92	81.9970
44.97	83.6230	123.28	81.3380
38.98	84.2810	122.97	81.0300
33.99	84.7190	125.82	80.9420
33.96	85.4200	125.60	80.6780
26.83	86.3390	127.84	80.8540
21.88	87.2580	130.19	81.1620
21.90	89.1790	132.53	81.5140
16.69	90.3990	135.33	82.1290
11.74	91.3140	134.42	82.5690
11.77	92.0530	138.35	83.7100
5.05	92.0530	140.16	84.9820
0.02	91.6180	142.63	86.3830
-0.04	82.4370	145.78	87.3450
-0.02	81.8650	142.52	87.6950
-0.02	81.8220	0.22	80.3690
0.02	83.0080		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0007 (CH 0066)
 AZ = 89 DEGREES R = 11 FT 1.5 IN. V = 2 FT 8.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 67

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	80.8540	9.89	80.8100
5.33	81.2500	19.55	81.4260
12.31	81.8650	29.57	82.1290
16.44	82.3050	39.42	82.9640
20.51	82.9640	49.16	83.6230
20.46	83.7980	54.50	84.1490
20.47	84.7630	59.57	84.5870
27.05	86.0330	64.20	84.9820
34.69	87.6510	69.32	85.6390
34.53	89.0040	74.16	86.5140
34.53	89.5710	80.16	87.3890
39.70	90.4430	85.61	86.8200
45.90	91.0960	90.58	86.2960
45.65	91.4440	95.69	85.4640
45.62	91.3570	100.92	84.8500
50.10	91.3140	103.25	84.0170
53.47	91.2270	106.11	83.5350
53.29	90.8350	108.31	83.4470
53.21	90.4430	111.08	82.9640
50.49	89.8760	113.24	82.7440
46.14	89.3100	117.83	82.5250
46.13	88.6550	120.92	82.1730
44.97	83.8860	123.28	81.4700
38.98	84.5870	122.97	81.2500
33.99	85.2450	125.82	81.0740
33.96	86.0770	125.60	80.8540
28.83	87.0390	127.84	80.9420
21.88	88.1310	130.19	81.2060
21.90	90.1380	132.53	81.4700
16.69	91.2700	135.33	82.1730
11.74	92.1400	134.42	82.7880
11.77	92.9220	138.35	84.0170
5.05	93.0530	140.16	85.4200
0.02	92.6620	142.63	86.6890
-0.04	83.0960	145.78	87.7380
-0.02	82.3930	142.52	88.3060
-0.02	82.3490	0.22	82.6570
0.02	83.2710		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0008 (CH 0067)
 AZ = 90 DEGREES R = 11 FT 1.3 IN. V = 6 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 68

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.0300	9.89	80.8980
5.33	81.4260	19.55	81.3820
12.31	81.9970	29.57	82.0410
16.44	82.3490	39.42	82.7440
20.51	82.8320	49.16	83.2710
20.46	83.4910	54.50	83.7980
20.47	84.0170	59.57	84.1490
27.05	85.0700	64.20	84.5440
34.69	86.2080	69.32	84.8940
34.53	87.3890	74.16	85.4640
34.53	88.0000	80.16	86.5580
39.70	88.7860	85.61	86.2520
45.90	89.4840	90.58	85.8140
45.65	90.1380	95.69	85.2010
45.62	90.1380	100.92	84.5870
50.10	90.2690	103.25	83.8860
53.47	90.2690	106.11	83.4470
53.29	90.0940	108.31	83.3150
53.21	89.8760	111.08	82.8760
50.49	89.3970	113.24	82.7880
46.14	88.9610	117.83	82.3930
46.13	88.4810	120.92	82.0850
44.97	84.2370	123.28	81.3820
38.98	84.7630	122.97	81.1180
33.99	85.1570	125.82	80.8980
33.96	85.7700	125.60	80.7660
26.83	86.3390	127.84	80.8100
21.88	86.8640	130.19	80.9420
21.90	88.2620	132.53	81.0740
16.69	89.1350	135.33	81.6900
11.74	90.0510	134.42	82.1290
11.77	90.8780	138.35	82.7440
5.05	91.0960	140.16	83.7540
0.02	91.0960	142.63	84.7630
-0.04	83.7100	145.78	85.8140
-0.02	83.0520	142.52	86.4270
-0.02	83.0080	0.22	81.7780
0.02	83.6230		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0009 (CH 0068)
 AZ = 90 DEGREES R = 11 FT 1.3 IN. V = 9 FT 11 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 69

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.0740	9.89	80.3690
5.33	81.4260	19.55	80.7220
12.31	81.7780	29.57	81.1620
16.44	82.0850	39.42	81.7340
20.51	82.3050	49.16	82.0410
20.46	82.7000	54.50	82.4370
20.47	83.0520	59.57	82.7880
27.05	83.4910	64.20	83.0520
34.69	84.1930	69.32	83.4910
34.53	84.8500	74.16	83.7980
34.53	85.1130	80.16	84.5870
39.70	85.7700	85.61	84.6750
45.90	86.2960	90.58	84.5870
45.65	87.0830	95.69	84.2810
45.62	87.3890	100.92	83.7980
50.10	87.8260	103.25	83.2710
53.47	88.3060	106.11	82.8760
53.29	88.4810	108.31	82.7440
53.21	88.5240	111.08	82.3490
50.49	88.5240	113.24	82.1290
46.14	88.3500	117.83	81.8650
46.13	88.1310	120.92	81.5580
44.97	83.7100	123.28	80.8540
38.98	84.0610	122.97	80.6340
33.99	84.4560	125.82	80.3690
33.96	84.9820	125.60	80.1050
26.83	85.2890	127.84	80.0610
21.88	85.7260	130.19	80.0170
21.90	86.2960	132.53	80.2370
16.69	86.6020	135.33	80.5010
11.74	87.0390	134.42	80.8980
11.77	87.6510	138.35	81.3820
5.05	87.9570	140.16	81.9090
0.02	88.1310	142.63	82.5690
-0.04	84.1050	145.78	83.0520
-0.02	83.4030	142.52	83.5350
-0.02	83.0960	0.22	79.9730
0.02	83.4910		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0010 (CH 0069)
 AZ = 89.5 DEGREES R = 11 FT 1.3 IN. V = 11 FT 9.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 70

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.8850	9.89	79.8850
5.33	80.1930	19.55	80.3690
12.31	80.6780	29.57	80.7220
16.44	81.1620	39.42	81.4260
20.51	81.7780	49.16	81.9970
20.46	82.5250	54.50	82.5250
20.47	83.1840	59.57	82.8760
27.05	84.0170	64.20	83.4030
34.69	84.8940	69.32	83.7980
34.53	86.0770	74.16	84.3680
34.53	86.6450	80.16	85.5080
39.70	87.4320	85.61	85.1130
45.90	88.0440	90.58	84.7190
45.65	88.8300	95.69	84.0170
45.62	89.0480	100.92	83.4030
50.10	89.1790	103.25	82.7000
53.47	89.2660	106.11	82.2610
53.29	89.0920	108.31	82.1290
53.21	88.9610	111.08	81.7340
50.49	88.6550	113.24	81.4700
46.14	88.3500	117.83	81.1180
46.13	87.9130	120.92	80.8100
44.97	83.9740	123.28	80.1490
38.98	84.5000	122.97	79.9290
33.99	84.8940	125.82	79.7530
33.96	85.5950	125.60	79.6200
26.83	86.0330	127.84	79.7090
21.88	86.4270	130.19	80.0170
21.90	87.6070	132.53	80.2370
16.69	88.3500	135.33	80.9860
11.74	89.1350	134.42	81.6020
11.77	90.0510	138.35	82.4370
5.05	90.3120	140.16	83.1400
0.02	90.3990	142.63	83.9740
-0.04	83.3590	145.78	84.8500
-0.02	82.8320	142.52	85.5510
-0.02	82.8760	0.22	82.3050
0.02	83.9300		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0011 (CH 0070)
 AZ = 91 DEGREES R = 11 FT 1.5 IN. V = 16 FT 11.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 71

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	80.3690	9.89	79.8410
5.33	80.5450	19.55	80.2370
12.31	81.1180	29.57	80.7660
16.44	81.6900	39.42	81.5580
20.51	82.3490	49.16	82.0850
20.46	83.0520	54.50	82.6570
20.47	83.6230	59.57	83.0080
27.05	84.4560	64.20	83.5790
34.69	85.2890	69.32	83.9300
34.53	86.2080	74.16	84.5000
34.53	86.6450	80.16	85.1570
39.70	87.6510	85.61	84.8500
45.90	88.5680	90.58	84.4120
45.65	90.0940	95.69	83.7980
45.62	90.4430	100.92	83.2270
50.10	90.6610	103.25	82.5250
53.47	90.7480	106.11	82.0850
53.29	90.4860	108.31	81.9970
53.21	90.2690	111.08	81.4700
50.49	89.7460	113.24	81.3820
46.14	89.2660	117.83	81.0300
46.13	88.6990	120.92	80.6780
44.97	84.3240	123.28	79.9730
38.98	84.7630	122.97	79.8410
33.99	85.2450	125.82	79.6200
33.96	85.9890	125.60	79.5760
26.83	86.4270	127.84	79.6640
21.88	86.8640	130.19	80.0170
21.90	87.5640	132.53	80.3260
16.69	88.0880	135.33	80.8980
11.74	88.6120	134.42	81.6900
11.77	89.6150	138.35	82.4810
5.05	90.0070	140.16	83.1400
0.02	90.1810	142.63	83.9300
-0.04	83.2710	145.78	84.5440
-0.02	82.7880	142.52	85.1570
-0.02	82.8320	0.22	81.2500
0.02	84.1930		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0012 (CH 0071)
 AZ = 90.5 DEGREES R = 11 FT 1.3 IN. V = 22 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 72

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	80.3250	9.89	79.8850
5.33	80.7220	19.55	80.3250
12.31	81.4260	29.57	80.8980
16.44	82.0850	39.42	81.6900
20.51	82.7000	49.16	82.4810
20.46	83.5790	54.50	82.9640
20.47	84.2370	59.57	83.4470
27.05	85.1130	64.20	83.9300
34.69	85.9020	69.32	84.4120
34.53	86.7330	74.16	84.9620
34.53	87.2580	80.16	85.6390
39.70	88.3500	85.61	85.1130
45.90	89.4400	90.58	84.6310
45.65	90.9650	95.69	83.8860
45.62	91.2270	100.92	83.3590
50.10	91.4880	103.25	82.5250
53.47	91.4880	106.11	82.0850
53.29	91.1830	108.31	81.9090
53.21	90.8780	111.08	81.4260
50.49	90.3120	113.24	81.2060
46.14	89.8330	117.83	80.9420
46.13	89.1350	120.92	80.5450
44.97	84.5870	123.28	79.8410
38.98	85.2450	122.97	79.5760
33.99	85.7700	125.82	79.5760
33.96	86.5580	125.60	79.5760
26.83	86.9520	127.84	79.6640
21.88	87.4320	130.19	80.2370
21.90	88.1750	132.53	80.6780
16.69	88.4810	135.33	81.4260
11.74	89.0480	134.42	82.2170
11.77	90.0510	138.35	83.1400
5.05	90.4430	140.16	83.7980
0.02	90.5740	142.63	84.5870
-0.04	83.0960	145.78	85.1130
-0.02	82.6570	142.52	85.5080
-0.02	82.9200	0.22	81.5140
0.02	84.5000		

TEMPERATURE IN DOME
 THERMOCOUPLE T0013 (CH 0072)
 AZ = 93 DEGREES R = 11 FT 1.8 IN. V = 24 FT 2.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 73

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.6200	9.89	82.1730
5.33	82.5250	19.55	82.0410
12.31	85.0260	29.57	82.6570
16.44	88.6990	39.42	81.9090
20.51	92.0530	49.16	84.1930
20.46	91.4010	54.50	84.7630
20.47	96.5210	59.57	83.0960
27.05	94.5280	64.20	87.0830
34.69	99.1130	69.32	87.6070
34.53	102.8200	74.16	91.0520
34.53	112.8600	80.16	72.5850
39.70	105.2200	85.61	70.8510
45.90	91.2700	90.58	71.6520
45.65	84.2810	95.69	68.9800
45.62	83.9740	100.92	67.9090
50.10	83.1400	103.25	68.0430
53.47	82.4810	106.11	67.3730
53.29	77.0600	108.31	67.0160
53.21	77.9000	111.08	67.2390
50.49	81.8650	113.24	65.8980
46.14	81.6460	117.83	66.7030
46.13	76.3090	120.92	67.5520
44.97	89.5280	123.28	70.8070
38.98	89.3970	122.97	72.7180
33.99	90.2690	125.82	73.5620
33.96	91.5750	125.60	75.9550
26.83	96.5210	127.84	77.0600
21.88	94.5720	130.19	77.6350
21.90	104.3600	132.53	81.9970
16.69	100.1500	135.33	83.3150
11.74	91.2700	134.42	85.9890
11.77	88.8730	138.35	89.7020
5.05	86.1640	140.16	93.5740
0.02	81.8220	142.63	89.5710
-0.04	76.3530	145.78	86.2960
-0.02	82.0850	142.52	83.3590
-0.02	84.3240	0.22	77.3700
0.02	88.4810		

TEMPERATURE IN DOME
 THERMOCOUPLE T0014 (CH 0073)
 AZ = 93 DEGREES R = 11 FT 1.8 IN. V = 25 FT 4 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 74

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.0470	9.89	78.8710
5.33	79.6200	19.55	79.4000
12.31	80.8100	29.57	80.0610
16.44	81.8220	39.42	80.9860
20.51	82.7440	49.16	81.6020
20.46	83.7980	54.50	82.2610
20.47	84.4120	59.57	82.7000
27.05	85.3760	64.20	83.4030
34.69	86.2080	69.32	83.7980
34.53	86.9520	74.16	84.4120
34.53	87.3890	80.16	83.9300
39.70	88.1750	85.61	83.4030
45.90	89.3100	90.58	83.0520
45.65	90.0510	95.69	82.4810
45.62	90.0510	100.92	81.9090
50.10	89.9200	103.25	81.2940
53.47	89.7890	106.11	80.8540
53.29	89.4840	108.31	80.6780
53.21	89.2660	111.08	80.2810
50.49	88.6990	113.24	80.1050
46.14	88.2620	117.83	79.8850
46.13	87.6950	120.92	79.4880
44.97	84.5870	123.28	78.8710
38.98	85.4200	122.97	78.7830
33.99	86.0770	125.82	78.9150
33.96	87.0830	125.60	79.0470
26.83	87.4760	127.84	79.3120
21.88	88.0000	130.19	80.0170
21.90	88.6120	132.53	80.4130
16.69	89.0040	135.33	81.2500
11.74	89.3970	134.42	82.3490
11.77	89.7460	138.35	83.2710
5.05	89.8760	140.16	84.1490
0.02	89.7890	142.63	84.7190
-0.04	81.8650	145.78	85.1570
-0.02	81.7780	142.52	85.5510
-0.02	82.5690	0.22	83.0080
0.02	84.7630		

TEMPERATURE IN DOME
 THERMOCOUPLE T0015 (CH 0074)
 AZ = 93 DEGREES R = 8 FT 7 IN. V = 31 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 75

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	84.7190	9.89	84.1490
5.33	85.5510	19.55	84.6310
12.31	86.0330	29.57	85.3760
16.44	86.0770	39.42	86.0770
20.51	86.2960	49.16	86.5140
20.46	86.5580	54.50	86.8640
20.47	86.7330	59.57	87.1260
27.05	87.2580	64.20	87.3890
34.69	87.6070	69.32	87.6070
34.53	87.8690	74.16	87.9130
34.53	88.0880	80.16	87.5640
39.70	88.4370	85.61	87.1700
45.90	88.7430	90.58	86.6890
45.65	89.0040	95.69	86.0330
45.62	89.0920	100.92	85.4640
50.10	89.0920	103.25	84.7630
53.47	89.1350	106.11	84.2810
53.29	89.0920	108.31	84.1050
53.21	88.9610	111.08	83.6660
50.49	88.6120	113.24	83.4910
46.14	88.2620	117.83	83.2270
46.13	88.0000	120.92	82.7880
44.97	86.9520	123.28	81.9090
38.98	87.3890	122.97	81.8220
33.99	87.6510	125.82	82.4810
33.96	87.9570	125.60	83.8860
26.83	88.0880	127.84	84.6750
21.88	88.3060	130.19	85.8140
21.90	88.4810	132.53	86.2080
16.69	88.6120	135.33	86.4270
11.74	88.7430	134.42	86.5580
11.77	89.0920	138.35	86.7330
5.05	89.1790	140.16	87.0390
0.02	89.0480	142.63	87.1700
-0.04	84.1930	145.78	87.2140
-0.02	87.3450	142.52	87.3010
-0.02	88.9170	0.22	82.4810
0.02	89.5710		

TEMPERATURE IN CYLINDER WALL THERMOCOUPLE T0016 (CH 0075)

AZ = 270.5 DEGREES R = 11 FT 1.3 IN. V = 9 FT 11 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 76

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.6130	9.89	81.0300
5.33	83.0520	19.55	81.5580
12.31	83.7100	29.57	82.1290
16.44	84.1050	39.42	82.8760
20.51	84.2370	49.16	83.5350
20.46	84.7630	54.50	84.0610
20.47	84.9380	59.57	84.4560
27.05	85.4640	64.20	84.8940
34.69	85.9890	69.32	85.2010
34.53	86.2960	74.16	85.6390
34.53	86.5140	80.16	86.3830
39.70	87.0830	85.61	86.3830
45.90	87.3450	90.58	86.3390
45.65	87.7820	95.69	85.9450
45.62	87.9570	100.92	85.5950
50.10	88.3500	103.25	84.9820
53.47	88.7860	106.11	84.5870
53.29	88.9610	108.31	84.5870
53.21	89.0040	111.08	84.1490
50.49	88.9170	113.24	83.9740
46.14	88.6990	117.83	83.6660
46.13	88.4810	120.92	83.4030
44.97	84.9820	123.28	82.5690
38.98	85.5080	122.97	82.0850
33.99	85.8580	125.82	81.9530
33.96	86.4700	125.60	81.7340
26.83	86.6890	127.84	81.6900
21.88	87.0390	130.19	82.4810
21.90	87.4760	132.53	82.7880
16.69	87.6950	135.33	83.4470
11.74	87.9130	134.42	83.9300
11.77	88.2620	138.35	84.4120
5.05	88.3500	140.16	84.8070
0.02	88.3500	142.63	85.0260
-0.04	84.1490	145.78	85.4640
-0.02	83.7980	142.52	85.6390
-0.02	84.5870	0.22	81.4260
0.02	86.1200		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0017 (CH 0076)
 AZ = 270.5 DEGREES R = 11 FT 1.3 IN. V = 11 FT 9.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 77

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.2060	9.89	80.5450
5.33	81.0740	19.55	80.5900
12.31	81.0740	29.57	80.5900
16.44	81.2500	39.42	80.7660
20.51	81.4260	49.16	80.9420
20.46	81.7780	54.50	81.2500
20.47	82.0850	59.57	81.4260
27.05	82.4370	64.20	81.8220
34.69	82.7440	69.32	81.9970
34.53	83.4470	74.16	82.4370
34.53	83.8420	80.16	83.7100
39.70	84.3240	85.61	83.7540
45.90	84.8940	90.58	83.7100
45.65	86.0770	95.69	83.4910
45.62	86.6450	100.92	83.2270
50.10	87.3890	103.25	82.8320
53.47	87.8690	106.11	82.5690
53.29	88.2190	108.31	82.4810
53.21	88.3930	111.08	82.2170
50.49	88.4810	113.24	81.9970
46.14	88.5240	117.83	81.7340
46.13	88.3930	120.92	81.4260
44.97	84.6310	123.28	80.9420
38.98	84.7190	122.97	80.7660
33.99	84.8940	125.82	80.5450
33.96	85.1130	125.60	80.3690
26.83	85.2890	127.84	80.2810
21.88	85.5080	130.19	80.3250
21.90	85.9450	132.53	80.3250
16.69	86.2960	135.33	80.4570
11.74	86.6890	134.42	80.6780
11.77	87.3450	138.35	80.9860
5.05	87.9130	140.16	81.2060
0.02	88.3930	142.63	81.5140
-0.04	85.5510	145.78	81.8220
-0.02	84.9820	142.52	82.2610
-0.02	84.8070	0.22	82.6570
0.02	84.8070		

TEMPERATURE IN CYLINDER WALL
THERMOCOUPLE T0018 (CH 0077)

AZ = 167.5 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 78

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.2060	9.89	80.8980
5.33	81.6020	19.55	81.2500
12.31	82.1290	29.57	81.7780
16.44	82.4370	39.42	82.3930
20.51	82.9200	49.16	82.7440
20.46	83.5790	54.50	83.2710
20.47	84.0170	59.57	83.5790
27.05	84.8500	64.20	84.0170
34.69	85.5080	69.32	84.3680
34.53	86.5580	74.16	84.7190
34.53	87.3010	80.16	85.5950
39.70	88.5240	85.61	85.2890
45.90	89.6580	90.58	84.9380
45.65	91.0960	95.69	84.3240
45.62	91.3140	100.92	83.7100
50.10	91.4010	103.25	83.0520
53.47	91.3570	106.11	82.6570
53.29	91.0960	108.31	82.4370
53.21	90.8350	111.08	81.9530
50.49	90.3560	113.24	81.7780
46.14	89.9200	117.83	81.4700
46.13	89.2660	120.92	81.1180
44.97	85.0700	123.28	80.5010
38.98	85.4640	122.97	80.2370
33.99	85.8140	125.82	80.1050
33.96	86.3230	125.60	80.1050
26.83	86.7770	127.84	80.3250
21.88	87.1700	130.19	80.5450
21.90	88.1750	132.53	80.7660
16.69	88.8300	135.33	81.1620
11.74	89.9200	134.42	80.3690
11.77	91.1830	138.35	79.9290
5.05	91.6620	140.16	80.1050
0.02	91.8790	142.63	79.5320
-0.04	84.5000	145.78	78.2530
-0.02	84.1490	142.52	77.6790
-0.02	84.2370	0.22	77.4140
0.02	84.8070		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0019 (CH 0078)
 AZ = 158.5 DEGREES R = 11 FT 1.5 IN. V = 12 FT 9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 79

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	80.7220	9.89	81.2500
5.33	81.0740	19.55	81.4700
12.31	81.6900	29.57	81.8650
16.44	82.2170	39.42	82.3050
20.51	82.7440	49.16	82.8760
20.46	83.3590	54.50	83.3150
20.47	83.7980	59.57	83.7540
27.05	84.2810	64.20	84.1490
34.69	84.8070	69.32	84.5000
34.53	85.5080	74.16	84.8500
34.53	85.7700	80.16	85.6390
39.70	86.1640	85.61	85.6830
45.90	86.5140	90.58	85.6390
45.65	87.0390	95.69	85.3760
45.62	87.2140	100.92	85.0700
50.10	87.5200	103.25	84.5440
53.47	87.6950	106.11	84.2370
53.29	87.9570	108.31	84.0610
53.21	88.0000	111.08	83.7540
50.49	87.9570	113.24	83.5350
46.14	87.8690	117.83	83.2270
46.13	87.6950	120.92	82.8760
44.97	84.6310	123.28	82.3490
38.98	85.1570	122.97	82.0410
33.99	85.5510	125.82	81.7340
33.96	86.2520	125.60	81.4700
26.83	86.5580	127.84	81.4260
21.88	86.9520	130.19	81.6900
21.90	87.5200	132.53	81.9530
16.69	87.7820	135.33	82.7440
11.74	88.0440	134.42	83.2710
11.77	88.4370	138.35	83.8420
5.05	88.6120	140.16	84.2370
0.02	88.6990	142.63	84.2810
-0.04	84.4560	145.78	82.2610
-0.02	84.0170	142.52	80.3250
-0.02	84.3240	0.22	78.2530
0.02	85.7700		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0020 (CH 0079)
 AZ = 348 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 80

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	77.3700	9.89	77.9000
5.33	78.3410	19.55	78.5180
12.31	79.3120	29.57	79.0910
16.44	79.8410	39.42	79.7970
20.51	80.2810	49.16	80.3250
20.46	80.8980	54.50	80.8540
20.47	81.2500	59.57	81.1180
27.05	81.8220	64.20	81.4700
34.69	82.3490	69.32	81.6900
34.53	82.7440	74.16	82.0850
34.53	82.8760	80.16	82.2170
39.70	83.3590	85.61	81.8220
45.90	83.6660	90.58	81.3380
45.65	83.9300	95.69	80.6340
45.62	83.9740	100.92	80.0170
50.10	83.9740	103.25	79.3120
53.47	84.1050	106.11	78.8710
53.29	84.0170	108.31	78.6060
53.21	83.8860	111.08	78.1650
50.49	83.5790	113.24	77.9880
46.14	83.3150	117.83	77.5910
46.13	83.0080	120.92	77.3260
44.97	82.0410	123.28	76.3090
38.98	82.6130	122.97	76.1760
33.99	83.0520	125.82	76.4860
33.96	83.4910	125.60	77.2810
26.83	83.7540	127.84	77.9440
21.88	83.9740	130.19	79.7090
21.90	84.3680	132.53	80.2370
16.69	84.5870	135.33	80.9420
11.74	84.8070	134.42	81.3820
11.77	85.1130	138.35	81.6020
5.05	85.2010	140.16	82.0410
0.02	85.1570	142.63	82.2610
-0.04	79.1350	145.78	82.3930
-0.02	79.9730	142.52	82.4370
-0.02	81.4700	0.22	79.1350
0.02	83.4030		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0021 (CH 0080)
 AZ = 339 DEGREES R = 11 FT 1.5 IN. V = 13 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 81

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	72.8520	9.89	73.2510
5.33	73.6510	19.55	73.8720
12.31	74.8480	29.57	74.5820
16.44	75.8660	39.42	75.5120
20.51	76.9280	49.16	76.1320
20.46	77.8110	54.50	76.7510
20.47	78.4740	59.57	77.1930
27.05	79.5760	64.20	77.6350
34.65	80.4130	69.32	78.1210
34.53	81.1620	74.16	78.6940
34.53	81.5140	80.16	78.2970
39.70	82.1730	85.61	77.8560
45.90	82.7000	90.58	77.5910
45.65	82.9200	95.69	77.1490
45.62	82.8760	100.92	76.7510
50.10	83.0080	103.25	76.1320
53.47	83.0520	106.11	75.7330
53.29	83.0080	108.31	75.5560
53.21	82.7880	111.08	75.2020
50.49	82.4370	113.24	75.0690
46.14	82.1290	117.83	74.7590
46.13	81.7780	120.92	74.4490
44.97	78.8270	123.28	73.8720
38.98	79.6640	122.97	73.7390
33.99	80.2370	125.82	73.8280
33.96	81.2060	125.60	73.9170
26.83	81.7340	127.84	74.0940
21.88	82.1290	130.19	74.7150
21.90	82.7880	132.53	75.0690
16.69	83.0520	135.33	75.8220
11.74	83.4470	134.42	76.8840
11.77	83.7100	138.35	77.8560
5.05	83.7540	140.16	78.6500
0.02	83.7100	142.63	79.0910
-0.04	76.4410	145.78	79.5320
-0.02	76.3090	142.52	79.7530
-0.02	77.0160	0.22	77.5460
0.02	79.0910		

TEMPERATURE IN DOME
 THERMOCOUPLE T0022 (CH 0081)
 AZ = 93 DEGREES R = 2 FT 2 IN. V = 35 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 82

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	72.2300	9.89	75.2910
5.33	73.1180	19.55	75.9990
12.31	74.4930	29.57	76.4860
16.44	75.7330	39.42	76.9280
20.51	78.0320	49.16	77.4140
20.46	81.7340	54.50	78.0320
20.47	85.6390	59.57	78.5620
27.05	88.3060	64.20	81.6460
34.69	88.1310	69.32	82.9640
34.53	87.5640	74.16	86.6020
34.53	87.2140	80.16	77.5020
39.70	87.0390	85.61	76.7070
45.90	85.7260	90.58	75.9990
45.65	83.4030	95.69	74.7590
45.62	82.8760	100.92	74.0500
50.10	82.0410	103.25	73.3840
53.47	81.4260	106.11	72.7630
53.29	80.4130	108.31	72.7180
53.21	79.9730	111.08	72.3190
50.49	79.3120	113.24	71.9190
46.14	79.2240	117.83	71.6960
46.13	78.6500	120.92	71.6070
44.97	78.1210	123.28	71.6520
38.98	78.9590	122.97	72.0080
33.99	80.4570	125.82	72.2740
33.96	86.9520	125.60	72.7630
26.83	89.6580	127.84	73.0290
21.88	93.7470	130.19	74.3160
21.90	94.7020	132.53	75.1580
16.69	92.0530	135.33	76.0430
11.74	90.4860	134.42	79.7530
11.77	87.7820	138.35	86.6890
5.05	86.4700	140.16	86.1200
0.02	85.1570	142.63	88.7860
-0.04	74.9810	145.78	85.5080
-0.02	75.7330	142.52	83.2270
-0.02	76.6180	0.22	80.5010
0.02	79.3560		

TEMPERATURE IN BASEMAT
 THERMOCOUPLE T0023 (CH 0082)
 AZ = 93.47 DEGREES R = 11 FT 8.3 IN. V = 2 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 83

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	72.3630	9.89	75.3790
5.33	73.4730	19.55	76.2200
12.31	75.0690	29.57	76.7510
16.44	76.7070	39.42	77.3260
20.51	79.1790	49.16	78.0320
20.46	83.0520	54.50	78.8270
20.47	86.9520	59.57	79.4440
27.05	89.8760	64.20	82.8320
34.69	90.3120	69.32	84.1050
34.53	90.2690	74.16	88.0000
34.53	89.9640	80.16	78.7830
39.70	89.6150	85.61	77.7230
45.90	88.0880	90.58	76.8840
45.65	85.6390	95.69	75.3350
45.62	84.8500	100.92	74.4930
50.10	83.8860	103.25	73.6510
53.47	83.2710	106.11	72.8960
53.29	82.1730	108.31	72.7180
53.21	81.5580	111.08	72.3630
50.49	80.8100	113.24	72.0080
46.14	80.5010	117.83	71.7850
46.13	79.7090	120.92	71.6520
44.97	78.8710	123.28	71.7850
38.98	80.0170	122.97	72.0960
33.99	81.5580	125.82	72.4960
33.96	88.0880	125.60	73.1180
26.83	90.7040	127.84	73.4290
21.88	95.0920	130.19	74.8480
21.90	97.8180	132.53	75.6890
16.69	95.3080	135.33	76.9720
11.74	93.5300	134.42	80.9420
11.77	90.4430	138.35	87.6950
5.05	88.8300	140.16	87.1700
0.02	87.3450	142.63	89.8760
-0.04	74.9360	145.78	86.9520
-0.02	75.6890	142.52	84.6750
-0.02	76.6180	0.22	81.7340
0.02	79.6410		

TEMPERATURE IN BASEMAT
 THERMOCOUPLE T0024 (CH 0083)
 AZ = 97.28 DEGREES R = 11 FT 8.3 IN. V = 2 FT 7 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 84

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	72.9400	9.89	76.2640
5.33	74.2270	19.55	77.0600
12.31	76.0430	29.57	77.5460
16.44	78.0320	39.42	77.9880
20.51	80.3690	49.16	78.6940
20.46	84.0610	54.50	79.4440
20.47	88.6120	59.57	80.0610
27.05	90.1810	64.20	83.5790
34.69	90.9220	69.32	84.8070
34.53	93.7910	74.16	88.3060
34.53	92.7050	80.16	79.1790
39.70	91.1830	85.61	78.2970
45.90	89.3530	90.58	77.5020
45.65	86.7770	95.69	76.3090
45.62	86.1200	100.92	75.4680
50.10	85.2890	103.25	74.6260
53.47	84.5000	106.11	74.0500
53.29	83.1400	108.31	73.8720
53.21	82.4370	111.08	73.3400
50.49	81.6460	113.24	73.0290
46.14	81.3380	117.83	72.8070
46.13	80.4130	120.92	72.5850
44.97	79.9730	123.28	72.4080
38.98	81.3380	122.97	72.7630
33.99	82.4370	125.82	73.1180
33.96	88.6990	125.60	73.7390
26.83	91.4880	127.84	74.0940
21.88	95.1780	130.19	75.4680
21.90	99.5020	132.53	76.4860
16.69	97.8610	135.33	77.9880
11.74	95.5680	134.42	81.0740
11.77	91.4440	138.35	87.6070
5.05	89.5280	140.16	87.0830
0.02	87.9130	142.63	89.9200
-0.04	75.6010	145.78	87.0390
-0.02	76.5740	142.52	84.8940
-0.02	77.6790	0.22	82.0850
0.02	81.4260		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0025 (CH 0084)
 AZ = 90 DEGREES R = 11 FT 8.3 IN. V = 6 FT 3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE " CHANNEL 85

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	73.5170	9.89	73.9170
5.33	73.7840	19.55	74.2270
12.31	74.2270	29.57	74.4040
16.44	74.9360	39.42	74.8030
20.51	75.6450	49.16	75.3350
20.46	76.5300	54.50	75.8220
20.47	77.2370	59.57	76.0870
27.05	78.5620	64.20	76.7070
34.69	79.7090	69.32	77.1490
34.53	81.2940	74.16	77.8560
34.53	82.0850	80.16	79.0470
39.70	83.0960	85.61	78.3410
45.90	83.8860	90.58	77.8110
45.65	84.7630	95.69	77.0160
45.62	84.7190	100.92	76.3530
50.10	84.5000	103.25	75.6450
53.47	84.2370	106.11	75.1580
53.29	83.8420	108.31	74.8920
53.21	83.5790	111.08	74.4930
50.49	83.1400	113.24	74.2710
46.14	82.7440	117.83	73.8720
46.13	82.2170	120.92	73.5170
44.97	78.1210	123.28	72.9400
38.98	78.5180	122.97	72.6740
33.99	78.9590	125.82	72.5410
33.96	79.7090	125.60	72.5850
26.83	80.1930	127.84	72.7180
21.86	80.9420	130.19	73.0290
21.90	82.7000	132.53	73.2070
16.69	83.6660	135.33	73.9170
11.74	84.6310	134.42	74.6700
11.77	85.6830	138.35	75.5560
5.05	85.8580	140.16	76.7510
0.02	85.8580	142.63	78.0320
-0.04	77.3700	145.78	79.0470
-0.02	76.9720	142.52	75.0250
-0.02	77.1490	0.22	75.1130
0.02	78.2530		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0026 (CH 0085)
 AZ = 85 DEGREES R = 11 FT 8.8 IN. V = 14 FT 0.0 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 88

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	73.7390	9.89	74.1830
5.33	74.8920	19.55	74.8920
12.31	76.4860	29.57	75.2910
16.44	77.9000	39.42	75.7780
20.51	79.2240	49.16	76.2200
20.46	80.3250	54.50	76.8840
20.47	81.0740	59.57	77.4580
27.05	82.0410	64.20	78.1650
34.69	82.5250	69.32	78.8270
34.53	83.5350	74.16	79.7090
34.53	83.9740	80.16	76.6620
39.70	86.6890	85.61	76.1760
45.90	86.7330	90.58	75.7330
45.65	85.2010	95.69	75.0250
45.62	84.6750	100.92	74.4040
50.10	84.1050	103.25	73.8720
53.47	83.7540	106.11	73.3400
53.29	83.2710	108.31	73.0740
53.21	82.7440	111.08	72.7180
50.49	82.1730	113.24	72.4960
46.14	81.8650	117.83	72.1410
46.13	81.0740	120.92	71.9630
44.97	80.8100	123.28	71.7410
38.98	81.9530	122.97	72.0080
33.99	82.6130	125.82	72.4520
33.96	83.6660	125.50	73.2510
26.83	84.1050	127.84	73.7840
21.88	84.4560	130.19	74.7150
21.90	85.1570	132.53	75.0690
16.69	85.4200	135.33	76.8840
11.74	85.6830	134.42	78.3410
11.77	85.2890	138.35	79.4880
5.05	85.0260	140.16	79.9730
0.02	84.5000	142.63	80.4570
-0.04	75.7330	145.78	80.5010
-0.02	76.9720	142.52	80.4130
-0.02	78.3850	0.22	78.8270
0.02	81.0300		

TEMPERATURE IN DOME
 THERMOCOUPLE T0029 (CH 0088)
 AZ = 94 DEGREES R = 8 FT 10.6 IN. V = 31 FT 5.6 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 89

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	72.4080	9.89	73.3840
5.33	73.9170	19.55	73.8720
12.31	75.7780	29.57	74.2270
16.44	77.4140	39.42	74.6700
20.51	78.6940	49.16	75.0250
20.46	79.7970	54.50	75.6010
20.47	80.6340	59.57	76.2640
27.05	81.2500	64.20	77.0600
34.69	81.6460	69.32	77.6790
34.53	82.6130	74.16	78.4300
34.53	82.9200	80.16	74.9360
39.70	83.0520	85.61	74.5370
45.90	82.6130	90.58	74.2710
45.65	81.9090	95.69	73.7390
45.62	81.6900	100.92	73.2960
50.10	81.5140	103.25	72.7180
53.47	81.5140	106.11	72.2740
53.29	81.1620	108.31	72.0520
53.21	80.7660	111.08	71.7410
50.49	80.4570	113.24	71.3850
46.14	80.3250	117.83	71.2520
46.13	79.6640	120.92	71.1630
44.97	80.3690	123.28	71.1180
38.98	81.5580	122.97	71.5190
33.99	82.1730	125.82	71.8300
33.96	83.1400	125.60	72.6740
26.83	83.4910	127.84	73.2510
21.88	83.7980	130.19	73.9170
21.90	84.2810	132.53	74.3160
16.69	84.4560	135.33	76.5740
11.74	84.5440	134.42	78.1650
11.77	84.0170	138.35	2109.4000
5.05	83.5350	140.16	78.9150
0.02	82.9640	142.63	79.5760
-0.04	523.1600	145.78	79.4880
-0.02	76.5740	142.52	79.1350
-0.02	78.0320	0.22	77.7670
0.02	80.5010		

TEMPERATURE IN DOME
 THERMOCOUPLE T0030 (CH 0089)
 AZ = 94 DEGREES R = 2 FT 3.7 IN. V = 35 FT 5.2 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 90

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.3600	9.89	75.0690
5.33	74.6700	19.55	75.4230
12.31	75.2020	29.57	75.6890
16.44	75.7780	39.42	76.0870
20.51	76.3970	49.16	76.4410
20.46	77.3260	54.50	76.7510
20.47	78.0320	59.57	77.0600
27.05	78.9590	64.20	77.5910
34.69	79.7530	69.32	77.8560
34.53	81.1620	74.16	78.2970
34.53	82.1290	80.16	78.2970
39.70	83.5790	85.61	77.7230
45.90	84.8940	90.58	77.2370
45.65	85.8580	95.69	76.5740
45.62	85.8140	100.92	75.9990
50.10	85.3760	103.25	75.3790
53.47	84.8940	106.11	75.1130
53.29	84.3240	108.31	74.9360
53.21	83.8420	111.08	74.5370
50.49	83.1840	113.24	74.3160
46.14	82.7440	117.83	74.0050
46.13	82.0850	120.92	73.6510
44.97	79.4440	123.28	73.2960
38.98	79.8850	122.97	73.2510
33.99	80.2370	125.82	73.3400
33.96	80.8540	125.60	73.7390
26.83	81.2500	127.84	73.9170
21.88	81.7340	130.19	74.3600
21.90	83.0080	132.53	74.5820
16.69	83.7980	135.33	75.2460
11.74	84.9380	134.42	75.9100
11.77	86.3390	138.35	76.5740
5.05	86.5580	140.16	77.0600
0.02	86.4700	142.63	77.6790
-0.04	77.9440	145.78	78.2530
-0.02	78.2970	142.52	78.5620
-0.02	78.6940	0.22	78.5620
0.02	79.7970		

TEMPERATURE IN CYLINDER WALL
THERMOCOUPLE T0031 (CH 0090)

AZ = 171.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 7 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 91

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	75.4230	9.89	77.3700
5.33	76.3090	19.55	78.0320
12.31	77.5460	29.57	78.0760
16.44	79.1350	39.42	78.4300
20.51	80.8540	49.16	78.6940
20.46	82.0410	54.50	79.3120
20.47	83.1840	59.57	79.7530
27.05	85.9020	64.20	80.4570
34.69	86.5140	69.32	81.2060
34.53	93.0960	74.16	82.0410
34.53	95.0480	80.16	77.1050
39.70	96.1310	85.61	76.3090
45.90	94.0080	90.58	75.7780
45.65	88.5680	95.69	74.4490
45.62	87.1260	100.92	73.6950
50.10	85.6830	103.25	73.1180
53.47	84.5870	106.11	72.3630
53.29	83.0960	108.31	72.1850
53.21	82.3050	111.08	71.9630
50.49	81.5140	113.24	71.6520
46.14	81.2500	117.83	71.4300
46.13	80.4130	120.92	71.3410
44.97	82.2610	123.28	71.8300
38.98	83.0520	122.97	72.5850
33.99	83.6660	125.82	73.3840
33.96	84.5440	125.60	74.2710
26.83	85.5950	127.84	74.6700
21.88	88.9170	130.19	75.5120
21.90	91.3140	132.53	76.1760
16.69	94.0080	135.33	77.5910
11.74	95.6120	134.42	78.7830
11.77	91.0960	138.35	79.8850
5.05	89.0920	140.16	79.4880
0.02	87.2140	142.63	80.0170
-0.04	77.4580	145.78	77.2810
-0.02	78.9590	142.52	74.9810
-0.02	80.0170	0.22	74.0050
0.02	82.3490		

TEMPERATURE IN CYLINDER WALL
THERMOCOUPLE T0032 (CH 0091)

AZ = 165.5 DEGREES R = 11 FT 8.8 IN. V = 15 FT 7.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 92

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	77.6790	9.89	77.1490
5.33	78.2090	19.55	77.3700
12.31	78.6940	29.57	77.9880
16.44	79.2240	39.42	78.4300
20.51	79.0910	49.16	78.8710
20.46	80.0170	54.50	79.0470
20.47	80.1490	59.57	79.6200
27.05	80.6780	64.20	80.1930
34.69	80.9860	69.32	80.4570
34.53	81.7340	74.16	80.8100
34.53	81.6460	80.16	81.1180
39.70	81.9970	85.61	80.5010
45.90	82.3930	90.58	79.6640
45.65	82.7000	95.69	79.2680
45.62	82.9640	100.92	78.3850
50.10	82.5250	103.25	77.8110
53.47	82.6130	106.11	77.4140
53.29	82.6570	108.31	77.0600
53.21	82.7880	111.08	76.4410
50.49	82.3050	113.24	76.3090
46.14	82.4370	117.83	75.9990
46.13	81.6900	120.92	75.4230
44.97	80.8100	123.28	74.7590
38.98	81.3380	122.97	74.4930
33.99	81.6020	125.82	75.2460
33.96	81.9090	125.60	77.0160
26.83	81.9970	127.84	77.8110
21.88	82.1290	130.19	79.0910
21.90	82.6130	132.53	79.6640
16.69	82.7000	135.33	80.1930
11.74	83.2270	134.42	80.4570
11.77	83.0960	138.35	80.7220
5.05	83.6660	140.16	80.8540
0.02	83.3590	142.63	81.0740
-0.04	78.1210	145.78	81.1620
-0.02	81.5580	142.52	81.2500
-0.02	83.0520	0.22	80.9860
0.02	83.4910		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0033 (CH 0092)
 AZ = 265.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 2.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 93

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.4490	9.89	75.4680
5.33	75.0250	19.55	75.9100
12.31	75.8660	29.57	76.1320
16.44	76.6180	39.42	76.5300
20.51	77.2810	49.16	77.1050
20.46	78.1650	54.50	77.6350
20.47	78.7830	59.57	77.8110
27.05	79.4000	64.20	78.2970
34.69	79.9290	69.32	78.6060
34.53	80.6340	74.16	79.1790
34.53	81.1180	80.16	79.8850
39.70	81.4260	85.61	79.6640
45.90	81.8650	90.58	79.4440
45.65	82.0410	95.69	78.9590
45.62	82.2170	100.92	78.5180
50.10	82.3490	103.25	78.0320
53.47	82.3050	106.11	77.5910
53.29	82.2610	108.31	77.4580
53.21	82.1730	111.08	77.1490
50.49	82.0850	113.24	76.9720
46.14	81.9970	117.83	76.5740
46.13	81.8650	120.92	76.2200
44.97	79.6200	123.28	75.4680
38.98	80.3250	122.97	75.3790
33.99	80.8540	125.82	75.1130
33.96	81.6460	125.60	75.2020
26.83	81.9970	127.84	75.2460
21.88	82.5690	130.19	75.9100
21.90	83.0960	132.53	75.9100
16.69	83.4470	135.33	76.6180
11.74	83.7540	134.42	77.3700
11.77	84.0610	138.35	78.0320
5.05	84.1930	140.16	78.8270
0.02	84.2370	142.63	78.8710
-0.04	78.3850	145.78	75.2910
-0.02	78.1650	142.52	71.2960
-0.02	79.1790	0.22	69.6040
0.02	81.3820		

TEMPERATURE IN CYLINDER WALL THERMOCOUPLE T0034 (CH 0093)

AZ = 352.5 DEGREES R = 11 FT 8.8 IN. V = 14 FT 7 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 94

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.7090	9.89	80.1490
5.33	79.2680	19.55	80.4130
12.31	79.4880	29.57	80.4130
16.44	79.9290	39.42	80.5010
20.51	80.5450	49.16	80.5450
20.46	81.4260	54.50	80.6780
20.47	81.9530	59.57	80.8540
27.05	82.2170	64.20	81.1620
34.69	82.4370	69.32	81.5140
34.53	83.0080	74.16	81.9530
34.53	83.1840	80.16	79.5320
39.70	83.3150	85.61	78.7830
45.90	83.1840	90.58	78.2530
45.65	82.5690	95.69	77.3700
45.62	82.1730	100.92	76.6180
50.10	81.8220	103.25	75.9990
53.47	81.5140	106.11	75.5120
53.29	81.2940	108.31	75.2910
53.21	81.0300	111.08	74.8920
50.49	80.5450	113.24	74.6700
46.14	80.4130	117.83	74.2710
46.13	80.1050	120.92	74.0940
44.97	83.5790	123.28	74.2710
38.98	83.8420	122.97	76.1760
33.99	83.9300	125.82	73.2530
33.96	84.1930	125.60	78.9590
26.83	84.3680	127.84	79.5760
21.88	84.5000	130.19	80.4570
21.90	84.8500	132.53	80.1930
16.69	84.9380	135.33	80.5450
11.74	85.0700	134.42	80.9420
11.77	84.7190	138.35	81.2940
5.05	84.4560	140.16	81.5580
0.02	84.1050	142.63	81.5140
-0.04	80.5450	145.78	81.5140
-0.02	85.2010	142.52	81.2500
-0.02	85.1130	0.22	80.2810
0.02	85.0700		

TEMPERATURE IN CYLINDER WALL
THERMOCOUPLE T0035 (CH 0094)

AZ = 346.5 DEGREES R = 11 FT 8.8 IN. V = 15 FT 6.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 95

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	77.9880	9.89	76.7950
5.33	77.9880	19.55	77.1050
12.31	77.9880	29.57	77.5020
16.44	77.9440	39.42	77.7670
20.51	78.0320	49.16	78.0760
20.46	78.0320	54.50	78.2090
20.47	78.0760	59.57	78.5620
27.05	78.4300	64.20	78.7380
34.69	78.7830	69.32	79.0030
34.53	79.0470	74.15	79.2000
34.53	79.2240	80.16	79.9290
39.70	79.7090	85.61	80.1930
45.90	80.1050	90.58	80.4130
45.65	80.5900	95.69	80.3690
45.62	80.8540	100.92	80.2810
50.10	81.3380	103.25	79.9290
53.47	81.9090	106.11	79.6640
53.29	82.2610	108.31	79.6200
53.21	82.4810	111.08	79.3560
50.49	82.6570	113.24	79.2680
46.14	82.6130	117.83	79.1350
46.13	82.7880	120.92	78.8270
44.97	80.0170	123.28	78.2530
38.98	80.1050	122.97	77.9000
33.99	80.2370	125.82	77.7230
33.96	80.3690	125.60	77.2810
26.83	80.5900	127.84	77.2810
21.88	80.6780	130.19	77.1490
21.90	80.9420	132.53	77.2370
16.69	81.1620	135.33	77.3260
11.74	81.1620	134.42	77.4140
11.77	81.6020	138.35	77.6350
5.05	81.6900	140.16	77.8560
0.02	81.7780	142.63	78.0760
-0.04	81.1620	145.78	78.3410
-0.02	80.5900	142.52	78.4740
-0.02	80.2370	0.22	73.6510
0.02	80.3690		

TEMPERATURE IN BOSS "B"
 THERMOCOUPLE T0036 (CH 0095)
 AZ = 180 DEGREES R = 10 FT 7.5 IN. V = 15 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 96

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	76.3530	9.89	75.6450
5.33	76.2200	19.55	75.6890
12.31	76.2200	29.57	75.7330
16.44	76.2200	39.42	75.8220
20.51	76.3090	49.16	75.9990
20.46	76.6620	54.50	76.3530
20.47	76.9280	59.57	76.4860
27.05	77.3260	64.20	76.7950
34.69	77.5460	69.32	77.1050
34.53	77.7670	74.16	77.3260
34.53	78.1210	80.16	79.0910
39.70	78.6500	85.61	79.2240
45.90	79.3560	90.58	79.2680
45.65	80.3690	95.69	79.0910
45.62	80.8540	100.92	78.8270
50.10	81.4700	103.25	78.5620
53.47	81.9970	106.11	78.2530
53.29	82.3050	108.31	78.1210
53.21	82.5250	111.08	77.9440
50.49	82.5250	113.24	77.7670
46.14	82.6570	117.83	77.5020
46.13	82.7440	120.92	77.2370
44.97	79.4440	123.28	76.6620
38.98	79.5760	122.97	76.3530
33.99	79.7530	125.82	76.0430
33.96	79.9730	125.60	75.9550
26.83	80.1930	127.84	75.9550
21.88	80.4570	130.19	75.9100
21.90	80.8100	132.53	75.7780
16.69	80.7220	135.33	75.9990
11.74	81.2500	134.42	76.2640
11.77	81.9970	138.35	76.4860
5.05	82.4370	140.16	76.6620
0.02	82.8760	142.63	76.8390
-0.04	80.5010	145.78	77.2810
-0.02	79.9730	142.52	77.5020
-0.02	79.8410	0.22	77.8110
0.02	79.8850		

TEMPERATURE IN BOSS "B"
 THERMOCOUPLE T0037 (CH 0096)
 AZ = 180 DEGREES R = 11 FT 2.3 IN. V = 15 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 97

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.4490	9.89	75.2020
5.33	74.6700	19.55	75.3790
12.31	75.1130	29.57	75.8220
16.44	75.6450	39.42	76.0430
20.51	76.1320	49.16	76.3090
20.46	77.0160	54.50	76.6180
20.47	77.5910	59.57	76.8840
27.05	78.2530	64.20	77.4140
34.69	78.8710	69.32	77.6790
34.53	79.9290	74.16	78.0760
34.53	80.5900	80.16	78.6060
39.70	81.7780	85.61	78.2090
45.90	82.7440	90.58	77.7230
45.65	83.7540	95.69	77.1490
45.62	83.7980	100.92	76.5300
50.10	83.6660	103.25	75.9550
53.47	83.4030	106.11	75.6010
53.29	83.1400	108.31	75.4680
53.21	82.7880	111.08	74.9810
50.49	82.3490	113.24	74.8030
46.14	81.9970	117.83	74.5370
46.13	81.5580	120.92	74.1830
44.97	79.6640	123.28	73.4730
38.98	79.9290	122.97	73.3840
33.99	80.2810	125.82	73.3840
33.96	80.8980	125.60	73.8720
26.83	81.1180	127.84	74.2270
21.88	81.5580	130.19	74.8480
21.90	82.2170	132.53	75.0690
16.69	82.8760	135.33	75.6890
11.74	83.7100	134.42	76.3090
11.77	84.8070	138.35	76.7950
5.05	85.1130	140.16	77.2370
0.02	85.2890	142.63	77.8110
-0.04	78.0320	145.78	78.0760
-0.02	78.6060	142.52	78.3410
-0.02	79.0910	0.22	78.2970
0.02	80.0610		

TEMPERATURE IN CYLINDER WALL
 THERMOCOUPLE T0038 (CH 0097)
 AZ = 180 DEGREES R = 11 FT 8 IN. V = 15 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 98

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	73.9610	9.89	76.3090
5.33	74.7150	19.55	76.7070
12.31	75.6890	29.57	77.1050
16.44	76.8840	39.42	77.4140
20.51	78.2090	49.16	77.6790
20.46	79.4440	54.50	78.1210
20.47	80.1490	59.57	78.6500
27.05	81.2940	64.20	79.0470
34.69	82.0410	69.32	79.5760
34.53	84.8500	74.16	80.0610
34.53	86.2080	80.16	77.4140
39.70	87.7380	85.61	76.5300
45.90	88.1750	90.58	75.7780
45.65	86.2960	95.69	74.8030
45.62	85.3760	100.92	74.0050
50.10	84.2810	103.25	73.2960
53.47	83.4030	106.11	72.7630
53.29	82.4370	108.31	72.5410
53.21	81.6460	111.08	72.2300
50.49	80.8540	113.24	72.0080
46.14	80.4570	117.83	71.6520
46.13	79.8850	120.92	71.4740
44.97	80.8100	123.28	71.3410
38.98	81.5580	122.97	71.8300
33.99	82.0410	125.82	72.6740
33.96	82.8320	125.60	73.7390
26.83	83.2270	127.84	74.2270
21.88	84.0610	130.19	75.0690
21.90	85.8140	132.53	75.6010
16.69	87.2140	135.33	76.8390
11.74	88.4810	134.42	77.7670
11.77	87.9130	138.35	78.8270
5.05	87.1260	140.16	79.3120
0.02	86.2080	142.63	79.8850
-0.04	76.7070	145.78	79.8410
-0.02	78.3850	142.52	79.5320
-0.02	79.3120	0.22	78.7830
0.02	81.3380		

TEMPERATURE IN BOSS "B"
 THERMOCOUPLE T0039 (CH 0098)
 AZ = 180 DEGREES R = 12 FT 1.5 IN. V = 15 FT 7.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 99

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.5820	9.89	75.1580
5.33	75.1580	19.55	75.7330
12.31	76.0430	29.57	76.2640
16.44	76.7510	39.42	77.1050
20.51	77.5460	49.16	77.8110
20.46	78.8710	54.50	78.5180
20.47	79.9730	59.57	78.9590
27.05	81.9090	64.20	79.7090
34.69	83.3590	69.32	80.5010
34.53	85.1570	74.16	81.6020
34.53	85.7260	80.16	81.8650
39.70	86.4270	85.61	81.2500
45.90	86.8640	90.58	80.5900
45.65	86.8640	95.69	79.6200
45.62	86.6450	100.92	78.9150
50.10	86.2520	103.25	78.1210
53.47	85.9890	106.11	77.5910
53.29	85.5080	108.31	77.3700
53.21	85.0700	111.08	76.9720
50.49	84.5000	113.24	76.7070
46.14	83.9300	117.83	76.3970
46.13	83.2270	120.92	76.0430
44.97	78.7380	123.28	75.3350
38.98	79.4440	122.97	75.2020
33.99	80.0170	125.82	75.2020
33.96	81.3380	125.60	75.2020
26.83	82.5690	127.84	75.2910
21.88	84.1490	130.19	75.5560
21.90	86.9520	132.53	75.9100
16.69	88.1750	135.33	76.7510
11.74	88.9610	134.42	77.5460
11.77	89.0920	138.35	79.3120
5.05	88.8730	140.16	81.2060
0.02	88.3930	142.63	82.8320
-0.04	77.6790	145.78	83.8420
-0.02	77.2370	142.52	84.0170
-0.02	77.3700	0.22	81.1180
0.02	78.5620		

TEMPERATURE IN CONCRETE MID-WALL
 THERMOCOUPLE T0040 (CH 0099)
 AZ = 90 DEGREES R = 11 FT 4.8 IN. V = 6 FT 3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 100

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.6130	9.89	82.3490
5.33	82.6130	19.55	83.1840
12.31	82.5250	29.57	83.2710
16.44	83.2270	39.42	84.1490
20.51	83.1840	49.16	84.6310
20.46	83.7100	54.50	84.8940
20.47	83.3590	59.57	84.9820
27.05	84.5000	64.20	85.3320
34.69	85.2450	69.32	85.7700
34.53	86.0330	74.16	86.1640
34.53	86.2960	80.16	86.5580
39.70	87.1260	85.61	86.8640
45.90	87.6950	90.58	86.6890
45.65	88.3930	95.69	86.0770
45.62	88.1750	100.92	85.6830
50.10	88.8730	103.25	85.1130
53.47	88.7860	106.11	84.8500
53.29	88.8300	108.31	84.7630
53.21	89.0920	111.08	84.3680
50.49	88.2190	113.24	84.5440
46.14	88.1750	117.83	84.2810
46.13	87.5200	120.92	84.2810
44.97	84.1930	123.28	83.3150
38.98	85.2010	122.97	82.8320
33.99	85.5080	125.82	82.7000
33.96	85.4640	125.60	82.1290
26.83	85.9890	127.84	82.3050
21.88	86.0770	130.19	82.7440
21.90	87.4760	132.53	82.5690
16.69	87.9570	135.33	83.4030
11.74	88.3060	134.42	83.3590
11.77	89.0480	138.35	84.0170
5.05	88.9170	140.16	84.4560
0.02	88.7430	142.63	85.5950
-0.04	83.7540	145.78	85.9890
-0.02	83.5350	142.52	86.1200
-0.02	82.8320	0.22	76.3970
0.02	84.5440		

TEMPERATURE ON LINER
 THERMOCOUPLE T0041 (CH 0100)
 AZ = 89 DEGREES R = 11 FT 0.0 IN. V = 2 FT 1 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 101

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.5690	9.89	81.9090
5.33	82.9200	19.55	82.6130
12.31	83.2710	29.57	83.4910
16.44	83.0960	39.42	84.1490
20.51	83.5790	49.16	84.6750
20.46	83.4910	54.50	84.6310
20.47	83.2270	59.57	85.1570
27.05	84.5000	64.20	85.0700
34.69	84.9820	69.32	85.5950
34.53	85.4640	74.16	85.5510
34.53	85.0260	80.16	86.1200
39.70	85.5950	85.61	86.1640
45.90	86.4270	90.58	85.9450
45.65	86.3390	95.69	85.9020
45.62	86.4700	100.92	85.2450
50.10	86.7770	103.25	84.8940
53.47	87.1260	106.11	84.5000
53.29	86.9080	108.31	84.5000
53.21	87.0830	111.08	84.1050
50.49	86.6450	113.24	83.9740
46.14	86.6450	117.83	83.9300
46.13	86.6450	120.92	83.7540
44.97	84.1930	123.28	82.9200
38.98	84.7630	122.97	82.3930
33.99	85.1130	125.82	82.3490
33.96	85.1570	125.60	82.3490
26.83	85.4200	127.84	82.8760
21.88	85.8580	130.19	83.2710
21.90	85.6830	132.53	83.5790
16.69	85.9890	135.33	83.9740
11.74	85.9450	134.42	84.0170
11.77	86.6890	138.35	84.5000
5.05	86.4700	140.16	84.6310
0.02	86.6890	142.63	84.8070
-0.04	82.1290	145.78	85.2450
-0.02	82.8320	142.52	84.8070
-0.02	83.6660	0.22	76.6620
0.02	85.1570		

TEMPERATURE ON INSIDE OF LINER
THERMOCOUPLE T0042 (CH 0101)

AZ = 210 DEGREES R = 11 FT 0.0 IN. V = 2 FT 1 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 102

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	84.9380	9.89	83.5350
5.33	84.3680	19.55	84.6310
12.31	84.8070	29.57	85.4640
16.44	85.4200	39.42	85.9450
20.51	85.4200	49.16	86.5140
20.46	85.3760	54.50	86.5580
20.47	85.7700	59.57	86.9080
27.05	85.9890	64.20	86.6020
34.69	86.9520	69.32	87.3450
34.53	86.6890	74.16	87.6510
34.53	86.7770	80.16	87.5640
39.70	87.5640	85.61	87.5200
45.90	87.9570	90.58	87.4320
45.65	87.4320	95.69	86.8200
45.62	88.0000	100.92	86.4700
50.10	89.2660	103.25	85.7260
53.47	89.3100	106.11	85.2890
53.29	88.5680	108.31	85.3760
53.21	88.5240	111.08	85.1570
50.49	87.7820	113.24	85.0700
46.14	87.7820	117.83	84.8940
46.13	87.5200	120.92	84.5870
44.97	86.1200	123.28	83.9300
38.98	86.3830	122.97	83.6230
33.99	86.5580	125.82	83.4910
33.96	86.8640	125.60	83.3590
26.83	86.6890	127.84	83.6230
21.88	87.2580	130.19	84.4560
21.90	87.5200	132.53	84.7190
16.69	87.6070	135.33	84.9380
11.74	87.9570	134.42	85.1130
11.77	87.7820	138.35	85.6830
5.05	88.0000	140.16	86.2520
0.02	87.4320	142.63	86.6450
-0.04	82.7000	145.78	86.8200
-0.02	84.0610	142.52	86.3830
-0.02	85.9020	0.22	77.3700
0.02	87.6510		

TEMPERATURE ON LINER
 THERMOCOUPLE T0043 (CH 0102)
 AZ = 330 DEGREES R = 11 FT 0.0 IN. V = 2 FT 1 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 103

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	83.4910	9.89	84.9820
5.33	84.3680	19.55	85.6830
12.31	84.6750	29.57	86.6890
16.44	85.2010	39.42	87.0390
20.51	86.4700	49.16	87.1260
20.46	86.5140	54.50	87.0390
20.47	86.3830	59.57	87.2140
27.05	87.2580	64.20	87.7380
34.69	88.2190	69.32	88.1310
34.53	88.2190	74.16	88.1750
34.53	88.0440	80.16	84.7190
39.70	88.4810	85.61	84.8940
45.90	88.3060	90.58	84.5000
45.65	87.5200	95.69	84.0610
45.62	87.5640	100.92	83.4470
50.10	87.8260	103.25	82.7000
53.47	88.1310	106.11	82.2610
53.29	87.5640	108.31	82.2170
53.21	87.3450	111.08	81.7340
50.49	86.5580	113.24	81.3380
46.14	86.1640	117.83	81.7780
46.13	86.2080	120.92	81.2940
44.97	86.6450	123.28	81.0300
38.98	86.9950	122.97	80.9860
33.99	87.2140	125.82	81.1620
33.96	87.6070	125.60	81.6020
26.83	87.9130	127.84	82.2610
21.88	88.1310	130.19	83.0960
21.90	88.3930	132.53	84.4560
16.69	88.7430	135.33	84.3680
11.74	88.5240	134.42	84.5870
11.77	88.5680	138.35	85.9020
5.05	87.8260	140.16	85.1570
0.02	86.7330	142.63	86.0770
-0.04	81.2500	145.78	85.6830
-0.02	84.1930	142.52	83.6660
-0.02	85.4200	0.22	68.7570
0.02	87.4760		

TEMPERATURE ON EH-A
 THERMOCOUPLE T0044 (CH 0103)
 AZ = 0.0 DEGREES Z = 11 FT 3.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 104

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.3930	9.89	84.1490
5.33	84.3240	19.55	84.9380
12.31	85.4640	29.57	85.5510
16.44	86.2960	39.42	86.0770
20.51	86.9520	49.16	86.3390
20.46	87.2580	54.50	86.3830
20.47	87.6950	59.57	86.4700
27.05	88.2190	64.20	87.0390
34.69	88.8300	69.32	87.5200
34.53	89.0920	74.16	88.0440
34.53	88.9610	80.16	84.7630
39.70	88.9610	85.61	84.9380
45.90	88.5240	90.58	85.1570
45.65	87.6070	95.69	84.7630
45.62	87.4760	100.92	84.3240
50.10	88.0000	103.25	83.1840
53.47	88.3500	106.11	83.0080
53.29	88.0000	108.31	83.1840
53.21	87.6510	111.08	82.7000
50.49	86.8200	113.24	82.6570
46.14	86.1640	117.83	82.6130
46.13	85.7700	120.92	82.2170
44.97	88.5680	123.28	82.0850
38.98	88.8730	122.97	81.8650
33.99	89.0480	125.82	81.9530
33.96	89.6150	125.60	82.2610
26.83	89.7020	127.84	83.0960
21.88	89.9200	130.19	82.7880
21.90	90.3120	132.53	83.7100
16.69	90.0940	135.33	85.0260
11.74	89.8330	134.42	85.4200
11.77	89.0920	138.35	86.6450
5.05	88.4810	140.16	85.5510
0.02	88.0440	142.63	86.5140
-0.04	82.7880	145.78	85.5080
-0.02	86.0330	142.52	83.4030
-0.02	87.4320	0.22	69.9160
0.02	88.6550		

TEMPERATURE ON EH-A
 THERMOCOUPLE T0045 (CH 0104)
 AZ = 0.0 DEGREES Z = 0.0 FT 0.5 IN. V = 14 FT 9.37 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 105

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.7340	9.89	81.6460
5.33	81.9090	19.55	82.2610
12.31	82.1290	29.57	82.7880
16.44	82.4370	39.42	83.1840
20.51	82.7000	49.16	83.7540
20.46	82.9200	54.50	84.0610
20.47	83.1840	59.57	84.2810
27.05	83.8420	64.20	84.5870
34.69	84.5870	69.32	84.8940
34.53	84.8940	74.16	85.3320
34.53	85.0700	80.16	85.9890
39.70	85.7700	85.61	86.2080
45.90	86.3830	90.58	86.2520
45.65	86.7770	95.69	85.9020
45.62	86.9520	100.92	85.6390
50.10	87.5640	103.25	85.1130
53.47	87.9130	106.11	84.8070
53.29	87.9570	108.31	84.7190
53.21	88.0000	111.08	84.4120
50.49	87.8690	113.24	84.2810
46.14	87.6950	117.83	84.1930
46.13	87.6510	120.92	83.7980
44.97	84.9380	123.28	83.1840
38.98	85.2450	122.97	82.7440
33.99	85.4640	125.82	82.5690
33.96	85.8580	125.60	82.1290
26.83	86.1200	127.84	82.2170
21.88	86.3390	130.19	82.2170
21.90	86.8200	132.53	82.3930
16.69	86.9950	135.33	82.7000
11.74	87.2140	134.42	82.8320
11.77	87.7380	138.35	83.3590
5.05	87.8260	140.16	83.7100
0.02	87.8260	142.63	84.1930
-0.04	85.1570	145.78	84.5870
-0.02	84.5000	142.52	84.1490
-0.02	84.5000	0.22	76.2640
0.02	85.6390		

TEMPERATURE ON LINER
 THERMOCOUPLE T0046 (CH 0105)
 AZ = 1 DEGREES V = 15 FT 9.1 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 106

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.5140	9.89	81.2060
5.33	81.9090	19.55	81.8650
12.31	82.4810	29.57	82.5250
16.44	82.8760	39.42	83.2270
20.51	83.4910	49.16	83.8420
20.46	83.9300	54.50	84.2370
20.47	84.3240	59.57	84.5870
27.05	85.4200	64.20	85.0700
34.69	86.2960	69.32	85.5080
34.53	86.9950	74.16	85.9890
34.53	87.3890	80.16	86.9080
39.70	88.2190	85.61	86.7330
45.90	88.9170	90.58	86.2960
45.65	89.3530	95.69	85.6390
45.62	89.5280	100.92	85.1130
50.10	89.8330	103.25	84.2810
53.47	89.9640	106.11	83.8860
53.29	89.6580	108.31	83.7980
53.21	89.4840	111.08	83.3150
50.49	88.9610	113.24	83.0520
46.14	88.6120	117.83	82.8320
46.13	88.2620	120.92	82.4370
44.97	84.7630	123.28	81.6900
38.98	85.3320	122.97	81.3820
33.99	85.7700	125.82	81.2060
33.96	86.3390	125.60	80.8980
26.83	86.7330	127.84	81.0300
21.88	87.0030	130.19	81.3380
21.90	87.8690	132.53	81.6460
16.69	88.3500	135.33	82.2170
11.74	88.6550	134.42	82.6570
11.77	89.4400	138.35	83.5350
5.05	89.6150	140.16	84.2370
0.02	89.4840	142.63	85.1130
-0.04	83.6660	145.78	85.9020
-0.02	83.2270	142.52	85.9890
-0.02	83.4470	0.22	76.8390
0.02	84.8500		

TEMPERATURE ON LINER
THERMOCOUPLE T0047 (CH 0106)
AZ = 45.4 DEGREES V = 13 FT 5.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 107

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	80.8980	9.89	80.8100
5.33	81.2060	19.55	81.6900
12.31	81.7340	29.57	82.4370
16.44	82.3050	39.42	83.1400
20.51	82.8760	49.16	83.9740
20.46	83.3590	54.50	84.3240
20.47	83.8860	59.57	84.6750
27.05	84.8940	64.20	85.0260
34.69	85.8580	69.32	85.4640
34.53	86.5140	74.16	85.9890
34.53	86.7770	80.16	86.6890
39.70	87.6070	85.61	86.5580
45.90	88.4370	90.58	86.2520
45.65	88.9610	95.69	85.4640
45.62	89.1350	100.92	84.9820
50.10	89.4400	103.25	84.1050
53.47	89.5710	106.11	83.7980
53.29	89.3970	108.31	83.6230
53.21	89.2220	111.08	83.2270
50.49	88.7860	113.24	83.0080
46.14	88.3930	117.83	82.8760
46.13	88.1310	120.92	82.4810
44.97	84.9380	123.28	81.6900
38.98	85.3320	122.97	81.2060
33.99	85.6830	125.82	81.1620
33.96	86.3830	125.60	80.9860
26.83	86.7770	127.84	81.2060
21.88	87.2140	130.19	81.5140
21.90	87.9130	132.53	81.9090
16.69	88.2520	135.33	82.4370
11.74	88.5680	134.42	82.7880
11.77	89.3100	138.35	83.6660
5.05	89.4840	140.16	84.3680
0.02	89.4840	142.63	84.9820
-0.04	83.9300	145.78	85.7260
-0.02	83.4030	142.52	85.8140
-0.02	83.6230	0.22	78.3410
0.02	85.3320		

TEMPERATURE ON LINER
THERMOCOUPLE 10048 (CH 0107)
AZ = 43.33 DEGREES V = 20 FT 9.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 108

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.1730	9.89	81.9970
5.33	82.3050	19.55	82.9200
12.31	82.5250	29.57	83.5350
16.44	82.7000	39.42	84.1050
20.51	83.1400	49.16	84.7190
20.46	83.3590	54.50	84.9820
20.47	83.7100	59.57	85.2450
27.05	85.1130	64.20	85.5510
34.69	86.5140	69.32	85.9450
34.53	87.1260	74.16	86.5140
34.53	87.4760	80.16	87.0390
39.70	88.4370	85.61	86.8640
45.90	89.1790	90.58	86.5580
45.65	89.3970	95.69	85.9450
45.62	89.3530	100.92	85.4200
50.10	89.6580	103.25	84.7190
53.47	89.7020	106.11	84.4120
53.29	89.3530	108.31	84.2370
53.21	89.1350	111.08	83.8860
50.49	88.5240	113.24	83.6660
46.14	88.0880	117.83	83.6230
46.13	87.8690	120.92	83.3150
44.97	84.2810	123.28	82.6570
38.98	34.8070	122.97	82.1730
33.99	85.1130	125.82	82.1730
33.96	85.5510	125.50	81.7340
26.83	86.2080	127.14	82.0410
21.88	86.8670	130.10	82.2170
21.90	88.2620	132.53	82.5250
16.69	89.1790	135.33	82.9640
11.74	89.7020	134.42	83.0960
11.77	90.5300	138.35	83.9740
5.05	90.5740	140.16	84.8070
0.02	90.1810	142.63	85.8140
-0.04	83.1840	145.78	86.5580
-0.02	82.7000	142.52	86.3390
-0.02	82.6570	0.22	78.1210
0.02	84.2810

A resolution test chart featuring a grid of patterns. Each pattern consists of a set of five vertical lines of varying thicknesses and a set of five horizontal lines of varying thicknesses. To the right of each line pattern is a numerical value. The values are arranged in a grid: 1.0, 1.1, 1.25, 1.4, 1.6, 1.8, 2.0, 2.2, 2.5, 2.8, 3.2, 3.6, 4.0. The lines become progressively thinner and closer together as the numerical value increases.

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REDUCTION

TEMPERATURE ON LINER
 THERMOCOUPLE T0049 (CH 0108)
 AZ = 89.5 DEGREES V = 2 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 109

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	84.1930	9.89	84.1490
5.33	84.8070	19.55	85.2450
12.31	84.6750	29.57	86.2520
16.44	85.1130	39.42	86.5140
20.51	85.5950	49.16	86.9080
20.46	85.5950	54.50	86.7330
20.47	86.4270	59.57	86.8640
27.05	87.6950	64.20	87.0830
34.69	88.6120	69.32	87.6070
34.53	88.4370	74.16	88.3060
34.53	88.6550	80.16	86.0770
39.70	89.4400	85.61	86.1200
45.90	89.7890	90.58	85.8580
45.65	88.9610	95.69	85.1130
45.62	88.8730	100.92	84.6310
50.10	89.7020	103.25	83.5350
53.47	90.0070	106.11	83.1840
53.29	89.1350	108.31	83.2270
53.21	88.9170	111.08	82.7880
50.49	88.0880	113.24	82.6130
46.14	87.6070	117.83	82.7000
46.13	87.7380	120.92	82.3050
44.97	86.1200	123.28	81.8220
38.98	86.9520	122.97	81.3820
33.99	87.1700	125.82	81.5140
33.96	87.8260	125.60	81.2940
26.83	88.4810	127.84	81.7340
21.88	88.6550	130.19	82.0410
21.90	89.2220	132.53	82.6570
16.69	89.2660	135.33	83.4030
11.74	89.2220	134.42	83.6230
11.77	89.0480	138.35	85.5510
5.05	88.6120	140.16	85.2890
0.62	87.7820	142.63	86.2080
-0.04	83.1400	145.78	86.0330
-0.02	83.6230	142.52	84.9380
-0.02	84.1050	0.22	66.5690
0.02	86.2960		

TEMPERATURE ON PL-A THERMOCOUPLE T0050 (CH 0109)

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 110

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.9530	9.89	81.3820
5.33	82.2170	19.55	82.0850
12.31	82.3490	29.57	82.6130
16.44	82.5690	39.42	82.9200
20.51	82.8320	49.16	83.5350
20.46	83.0960	54.50	83.7540
20.47	83.3590	59.57	83.9740
27.05	84.0610	64.20	84.1490
34.69	84.8500	69.32	84.5440
34.53	85.5080	74.16	84.9820
34.53	85.7700	80.16	85.5510
39.70	86.6020	85.61	85.8140
45.90	87.3010	90.58	85.8140
45.65	88.1310	95.69	85.2890
45.62	88.3930	100.92	84.8500
50.10	88.9170	103.25	84.1050
53.47	89.3530	106.11	83.7100
53.29	89.5280	108.31	83.6230
53.21	89.3970	111.08	83.3150
50.49	89.0920	113.24	83.0960
46.14	88.6990	117.83	82.9200
46.13	88.6550	120.92	82.5690
44.97	84.4120	123.28	81.7340
38.98	84.8070	122.97	81.4260
33.99	85.1570	125.82	81.2940
33.96	85.5080	125.60	80.8540
26.83	85.8140	127.84	80.9860
21.88	86.0770	130.19	81.0300
21.90	86.8640	132.53	81.1180
16.69	87.1260	135.33	81.4700
11.74	87.4320	134.42	81.6900
11.77	88.2620	138.35	82.3490
5.05	88.4370	140.16	82.8320
0.02	88.4370	142.63	83.4470
-0.04	84.4560	145.78	84.1050
-0.02	83.7540	142.52	84.1490
-0.02	83.4910	0.22	75.1580
0.02	84.4560		

TEMPERATURE ON LINER
THERMOCOUPLE T0051 (CH 0110)
AZ = 90 DEGREES V = 14 FT 4 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 111

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.0740	9.89	80.8450
5.33	81.5580	19.55	81.4700
12.31	82.1730	29.57	82.2610
16.44	82.9200	39.42	83.0520
20.51	83.6230	49.16	83.8860
20.46	84.2370	54.50	84.4120
20.47	84.8070	59.57	84.8070
27.05	85.9890	64.20	85.2010
34.69	87.0390	69.32	85.7260
34.53	87.5640	74.16	86.2520
34.53	88.0000	80.16	86.3390
39.70	89.3100	85.61	85.9020
45.90	90.5740	90.58	85.4640
45.65	91.4880	95.69	84.6750
45.62	91.6620	100.92	84.0610
50.10	91.8790	103.25	83.1840
53.47	91.7490	106.11	82.7440
53.29	91.1400	108.31	82.6130
53.21	90.8350	111.08	82.1730
50.49	90.0940	113.24	81.9530
46.14	89.7020	117.83	81.8220
46.13	88.9610	120.92	81.4260
44.97	85.1130	123.28	80.6340
38.98	85.8140	122.97	80.3250
33.99	86.3390	125.82	80.2810
33.96	87.0830	125.60	80.3250
26.83	87.5200	127.84	80.5900
21.88	87.9570	130.19	81.2060
21.90	88.6120	132.53	81.6020
16.69	89.0040	135.33	82.3490
11.74	89.3970	134.42	83.0520
11.77	90.5300	138.35	83.9740
5.05	90.7910	140.16	84.5870
0.02	90.5740	142.63	85.4200
-0.04	82.9200	145.78	85.9890
-0.02	82.5690	142.52	86.1200
-0.02	83.2270	0.22	79.6200
0.02	85.7700		

TEMPERATURE ON DOME
 THERMOCOUPLE T0052 (CH 0111)
 AZ = 90.92 DEGREES V = 26 FT 2.7 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 112

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.2500	9.89	80.6340
5.33	81.4700	19.55	81.4260
12.31	81.7340	29.57	82.2610
16.44	82.3050	39.42	82.9200
20.51	82.7440	49.16	83.6660
20.46	83.3150	54.50	83.8420
20.47	83.8420	59.57	84.3240
27.05	84.7190	64.20	84.6750
34.69	85.7260	69.32	85.1570
34.53	86.3830	74.16	85.5950
34.53	87.0390	80.16	86.1200
39.70	88.2620	85.61	85.9450
45.90	89.5710	90.58	85.6830
45.65	91.1830	95.69	84.9380
45.62	91.6180	100.92	84.4560
50.10	92.2270	103.25	83.5790
53.47	92.4010	106.11	83.1840
53.29	92.1840	108.31	83.1840
53.21	91.8790	111.08	82.6570
50.49	91.2700	113.24	82.3930
46.14	90.6610	117.83	82.2170
46.13	90.2250	120.92	81.8650
44.97	84.8500	123.28	81.1180
38.98	85.2890	122.97	80.6780
33.99	85.6390	125.82	80.7660
33.96	86.2960	125.60	80.4570
26.83	86.6450	127.84	80.7220
21.88	86.9520	130.19	81.0300
21.90	87.8260	132.53	81.2940
16.69	88.3060	135.33	81.8650
11.74	89.0920	134.42	82.2610
11.77	90.7910	138.35	83.1400
5.05	91.4010	140.16	83.5350
0.02	91.7490	142.63	84.2810
-0.04	84.4560	145.78	85.0700
-0.02	83.6660	142.52	84.9820
-0.02	83.5350	0.22	78.3850
0.02	84.9820		

TEMPERATURE ON LINER
THERMOCOUPLE T0053 (CH 0112)
AZ = 128.25 DEGREES V = 20 FT 1.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 113

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	85.7260	9.89	85.0260
5.33	85.6830	19.55	86.5140
12.31	85.1570	29.57	87.3890
16.44	85.4200	39.42	87.3010
20.51	85.6390	49.16	87.6950
20.46	85.0700	54.50	87.3890
20.47	85.1130	59.57	87.3890
27.05	86.6890	64.20	87.2140
34.69	87.7380	69.32	87.6070
34.53	87.4760	74.16	87.8690
34.53	87.6070	80.16	86.3390
39.70	88.7860	85.61	86.3830
45.90	89.4840	90.58	86.1640
45.65	88.7860	95.69	85.4200
45.62	88.7430	100.52	84.9380
50.10	89.3970	103.25	84.0610
53.47	89.6150	106.11	83.6230
53.29	89.1350	108.31	83.4910
53.21	88.9170	111.08	83.2710
50.49	88.1310	113.24	83.0080
46.14	87.7820	117.83	83.0960
46.13	88.0440	120.92	82.7880
44.97	86.2960	123.28	82.6130
38.98	86.8640	122.97	82.5250
33.99	87.0390	125.82	83.0520
33.96	86.9520	125.60	82.6130
26.83	87.4760	127.84	83.1400
21.88	87.4320	130.19	83.4030
21.90	87.9570	132.53	83.6230
16.69	88.4810	135.33	84.0610
11.74	88.3930	134.42	83.9300
11.77	88.7430	133.35	84.9380
5.05	88.4810	140.16	85.2010
0.02	87.4320	147.63	85.6330
-0.04	84.7630	145.78	86.1200
-0.02	84.9380	142.52	85.1130
-0.02	85.2010	0.22	65.4950
0.02	87.9570		

TEMPERATURE ON CH-B
THERMOCOUPLE T0054 (CH 0113)
AZ = 180 DEGREES Z = 11 FT 4.67 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 114

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.9200	9.89	82.4370
5.33	83.3150	19.55	83.3590
12.31	83.4910	29.57	84.1050
16.44	83.7100	39.42	84.4560
20.51	84.0610	49.16	84.9380
20.46	84.1930	54.50	85.2010
20.47	84.5440	59.57	85.4640
27.05	85.5080	64.20	85.6390
34.69	86.3830	69.32	85.9450
34.53	86.9520	74.16	86.2960
34.53	87.3010	80.16	86.7770
39.70	88.3060	85.61	86.7770
45.90	89.2660	90.58	86.5140
45.65	90.1380	95.69	85.9020
45.62	90.4860	100.92	85.3760
50.10	91.0960	103.25	84.6310
53.47	91.2700	106.11	84.2370
53.29	91.0090	108.31	84.1490
53.21	90.8350	111.08	83.6660
50.49	90.2250	113.24	83.4910
46.14	89.7890	117.83	83.3590
46.13	89.4840	120.92	82.9640
44.97	85.5080	123.28	82.3050
38.98	86.0330	122.97	81.7780
33.99	86.2960	125.82	81.7340
33.96	86.6890	125.60	81.5140
26.83	86.9080	127.84	81.6900
21.88	87.1260	130.19	81.8650
21.90	87.8690	132.53	82.1730
16.69	88.3500	135.33	82.5690
11.74	88.9170	134.42	81.9530
11.77	90.0510	138.35	82.2610
5.05	90.4860	140.16	82.4810
0.02	90.3990	142.63	82.7880
-0.04	85.1130	145.78	81.9530
-0.02	84.5440	142.52	81.3380
-0.02	84.5870	0.22	72.2300
0.02	86.0330		

TEMPERATURE ON LINER
THERMOCOUPLE T0055 (CH 0114)
AZ = 158 DEGREES V = 12 FT 8.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 115

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	83.7540	9.89	82.5250
5.33	83.6230	19.55	83.0960
12.31	83.5790	29.57	83.6230
16.44	83.7100	39.42	84.0610
20.51	83.7540	49.16	84.5070
20.46	83.7100	54.50	84.5870
20.47	83.7980	59.57	84.9380
27.05	84.2370	64.20	85.0700
34.69	84.7630	69.32	85.3760
34.53	85.0700	74.16	85.6830
34.53	85.2450	80.16	86.0770
39.70	85.7260	85.61	86.4270
45.90	86.2960	90.58	86.6020
45.65	86.7770	95.69	86.3390
45.62	87.0390	100.92	86.1640
50.10	87.6510	103.25	85.5080
53.47	88.1310	106.11	85.2890
53.29	88.4370	108.31	85.2450
53.21	88.5240	111.08	84.8940
50.49	88.4810	113.24	84.8070
46.14	88.3500	117.83	84.6750
46.13	88.4370	120.92	84.3580
44.97	85.5080	123.28	83.7100
38.98	85.7260	122.97	83.3590
33.99	85.9020	125.82	83.2710
33.96	86.0770	125.60	82.8760
26.83	86.2080	127.84	82.9640
21.88	86.2960	130.19	82.9640
21.90	86.7330	132.53	83.0960
16.69	86.8640	135.33	83.3150
11.74	86.9080	134.42	83.0080
11.77	87.4320	138.35	83.4030
5.05	87.5640	140.16	83.5350
0.02	87.5640	142.63	83.7540
-0.04	86.2080	145.78	83.9740
-0.02	85.5950	142.52	83.5790
-0.02	85.4200	0.22	75.1580
0.02	86.2080		

TEMPERATURE ON LINER
 THERMOCOUPLE T0056 (CH 0115)
 AZ = 180.57 DEGREES V = 16 FT 5.6 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 116

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	83.2270	9.89	82.2610
5.33	83.4030	19.55	83.3150
12.31	83.5790	29.57	84.1050
16.44	83.8420	39.42	84.5870
20.51	84.0610	49.16	85.2010
20.46	83.9740	54.50	85.3760
20.47	84.1050	59.57	85.5950
27.05	84.9820	64.20	85.7700
34.69	85.7260	69.32	86.1640
34.53	85.8580	74.16	86.5140
34.53	85.9450	80.16	86.4700
39.70	86.6450	85.61	86.6020
45.90	87.2140	90.58	86.4700
45.65	87.3010	95.69	85.9020
45.62	87.4320	100.92	85.5080
50.10	87.9130	103.25	84.7630
53.47	88.1750	106.11	84.5000
53.29	87.9130	108.31	84.4120
53.21	87.9570	111.08	84.1490
50.49	87.3890	113.24	83.9300
46.14	87.2140	117.83	83.8420
46.13	87.0830	120.92	83.4910
44.97	84.9380	123.28	82.8320
38.98	85.5510	122.97	82.4370
33.99	85.8140	125.82	82.6130
33.96	85.9020	125.60	82.6130
26.83	86.2080	127.84	83.0520
21.88	86.2960	130.19	83.5790
21.90	86.6020	132.53	83.7980
16.69	86.9080	135.33	84.1050
11.74	86.9520	134.42	84.1490
11.77	87.3890	138.35	84.7630
5.05	87.4760	140.16	85.0260
0.02	86.9080	142.63	85.3320
-0.04	82.7000	145.78	85.7700
-0.02	83.6230	142.52	85.1570
-0.02	84.4120	0.22	77.1050
0.02	86.0770		

TEMPERATURE ON LINER
 THERMOCOUPLE T0057 (CH 0116)
 AZ = 210 DEGREES V = 2 FT 3.8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 117

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	83.4030	9.89	83.7100
5.33	83.9740	19.55	84.8070
12.31	84.4120	29.57	85.6830
16.44	84.6310	39.42	86.2960
20.51	85.0700	49.16	86.9080
20.46	85.1570	54.50	87.2140
20.47	85.3320	59.57	87.3450
27.05	86.3830	64.20	87.6070
34.69	87.2140	69.32	87.9130
34.53	87.3890	74.16	88.2190
34.53	87.5200	80.16	87.8690
39.70	88.2620	85.61	87.6950
45.90	88.9170	90.58	87.4320
45.65	88.9610	95.69	86.8200
45.62	89.0480	100.92	86.1640
50.10	89.5710	103.25	85.3320
53.47	89.6580	106.11	84.9380
53.29	89.4840	108.31	84.8070
53.21	89.2660	111.08	84.4120
50.49	88.7430	113.24	84.1930
46.14	88.2620	117.83	84.1050
46.13	88.1310	120.92	83.6660
44.97	85.9450	123.28	82.9640
38.98	86.5580	122.97	82.5690
33.99	86.9520	125.82	82.8760
33.96	87.1700	125.60	83.0520
26.83	87.4320	127.84	83.5790
21.88	87.5200	130.19	84.2370
21.90	88.0000	132.53	84.6750
16.69	88.1750	135.33	85.0260
11.74	88.3500	134.42	84.9820
11.77	88.8730	138.35	85.6390
5.05	88.6990	140.16	85.9450
0.02	88.4810	142.63	86.3390
-0.04	83.5790	145.78	86.6890
-0.02	84.4560	142.52	86.2520
-0.02	85.6390	0.22	76.1760
0.02	87.8690		

TEMPERATURE ON LINER
 THERMOCOUPLE T0058 (CH 0117)
 AZ = 227.3 DEGREES V = 8 FT 10.2 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 118

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	82.5250	9.89	82.7440
5.33	82.6130	19.55	83.4470
12.31	83.0520	29.57	84.2810
16.44	83.5790	39.42	84.9380
20.51	84.1490	49.16	85.7700
20.46	84.6310	54.50	85.9020
20.47	85.0260	59.57	86.3390
27.05	85.9020	64.20	86.5580
34.69	86.7770	69.32	86.9950
34.53	87.2140	74.16	87.3010
34.53	87.3890	80.16	87.5640
39.70	88.1310	85.61	87.3450
45.90	88.7860	90.58	86.9080
45.65	89.0040	95.69	86.0330
45.62	89.1350	100.92	85.4640
50.10	89.4400	103.25	84.3680
53.47	89.5710	106.11	84.0170
53.29	89.2660	108.31	83.8860
53.21	89.0480	111.08	83.3590
50.49	88.6550	113.24	83.1400
46.14	88.2620	117.83	82.9200
46.13	87.9570	120.92	82.5250
44.97	85.6830	123.28	81.7780
38.98	86.2520	122.97	81.2940
33.99	86.6890	125.82	81.6460
33.96	87.3010	125.60	82.2170
26.83	87.6510	127.84	82.8320
21.88	87.9570	130.19	83.5790
21.90	88.5680	132.53	84.0170
16.69	88.8300	135.33	84.5870
11.74	89.0920	134.42	84.8500
11.77	89.5710	138.35	85.5950
5.05	89.7020	140.16	85.9890
0.02	89.4840	142.63	86.5140
-0.04	84.1930	145.78	86.9520
-0.02	85.2010	142.52	86.6890
-0.02	85.9020	0.22	79.4440
0.02	87.7380		

TEMPERATURE ON LINER
 THERMOCOUPLE T0059 (CH 0118)
 AZ = 229.55 DEGREES V = 23 FT 9.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 119

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.8850	9.89	79.4440
5.33	79.7530	19.55	80.5010
12.31	80.8100	29.57	81.5140
16.44	82.3930	39.42	82.2170
20.51	82.8760	49.16	83.3590
20.46	83.5790	54.50	83.4470
20.47	83.9300	59.57	83.7100
27.05	85.1570	64.20	83.9740
34.69	86.1640	69.32	84.5870
34.53	86.5140	74.16	85.0260
34.53	86.6890	80.16	84.9380
39.70	87.9130	85.61	84.3680
45.90	88.7430	90.58	84.3240
45.65	88.4370	95.69	83.5350
45.62	88.5680	100.92	83.7980
50.10	88.8730	103.25	82.6570
53.47	89.1350	106.11	81.9090
53.29	88.6550	108.31	82.1290
53.21	88.4370	111.08	81.6900
50.49	88.0000	113.24	81.5580
46.14	88.0880	117.83	81.3380
46.13	87.5200	120.92	81.2500
44.97	84.4560	123.28	80.6340
38.98	85.0700	122.97	79.8410
33.99	85.5080	125.82	80.4130
33.96	86.2520	125.60	80.1490
26.83	86.9520	127.84	80.5450
21.88	87.4760	130.19	80.8100
21.90	87.8690	132.53	81.2940
16.69	88.9610	135.33	82.3930
11.74	88.5680	134.42	82.7880
11.77	88.8730	138.35	83.8420
5.05	88.7860	140.16	84.2370
0.02	88.8300	142.63	84.8940
-0.04	82.0410	145.78	85.4640
-0.02	81.4260	142.52	85.3320
-0.02	82.7000	0.22	81.2500
0.02	85.0260		

TEMPERATURE ON DOME
THERMOCOUPLE T0060 (CH 0119)
AZ = 85 DEGREES V = 34 FT 8 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2012

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	80.5010	9.89	79.5320
5.33	81.1180	19.55	80.6340
12.31	81.3820	29.57	81.2940
16.44	81.6460	39.42	81.9530
20.51	81.8650	49.16	82.5690
20.46	81.7340	54.50	82.8320
20.47	81.8220	59.57	83.0080
27.05	82.6570	64.20	83.1840
34.69	83.1840	69.32	83.5350
34.53	83.3150	74.16	83.7980
34.53	83.3150	80.16	83.4030
39.70	84.0170	85.61	83.1400
45.90	84.5000	90.58	82.8320
45.65	84.5440	95.60	81.9530
45.62	84.4560	100.92	81.3820
50.10	85.0260	103.25	80.5900
53.47	85.1570	106.11	80.1930
53.29	84.8500	108.31	80.0610
53.21	84.7190	111.08	79.5320
50.49	84.1050	113.24	79.3120
46.14	83.6230	117.83	79.2240
46.13	83.5350	120.92	78.8270
44.97	82.0410	123.28	77.9880
38.98	82.6570	122.97	77.5460
33.99	82.8760	125.82	78.0320
33.96	83.1400	125.60	78.6940
26.83	83.3150	127.84	79.4440
21.88	83.3590	130.19	80.4570
21.90	83.7980	132.53	80.8980
16.69	83.8860	135.33	81.2060
11.74	84.0170	134.42	81.2060
11.77	84.3240	138.35	81.7340
5.05	84.2370	140.16	81.9090
0.02	84.0170	142.63	82.3050
-0.04	78.8270	145.78	82.5690
-0.02	81.4260	142.52	82.0850
-0.02	83.4910	0.22	73.9610
0.02	85.5510		

TEMPERATURE ON LINER
THERMOCOUPLE T0061 (CH 2012)
AZ = 271 DEGREES V = 8 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2001

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.8410	9.89	78.3850
5.33	80.1490	19.55	79.4000
12.31	80.5450	29.57	80.2370
16.44	80.8540	39.42	80.8540
20.51	81.0300	49.16	81.5580
20.46	81.1180	54.50	81.7340
20.47	81.2500	59.57	81.9530
27.05	81.9530	64.20	82.1730
34.69	82.7440	69.32	82.5690
34.53	82.7880	74.16	82.9200
34.53	82.9200	80.16	83.0080
39.70	83.6230	85.61	83.0960
45.90	84.1490	90.58	82.9200
45.65	84.4120	95.69	82.3050
45.62	84.5000	100.92	81.8650
50.10	84.9380	103.25	81.0740
53.47	85.7260	106.11	80.7220
53.29	85.6390	108.31	80.7220
53.21	85.5510	111.08	80.1930
50.49	85.0700	113.24	80.0610
46.14	84.7190	117.83	79.8850
46.13	84.7190	120.92	79.5320
44.97	81.6590	123.28	78.7380
38.98	82.4370	122.97	78.2530
33.99	82.7000	125.82	78.3410
33.96	83.0520	125.60	78.0760
26.83	83.3150	127.84	78.3410
21.88	83.4030	130.19	78.9590
21.90	83.9740	132.53	79.3120
16.69	84.1050	135.33	79.9290
11.74	84.1490	134.42	80.1490
11.77	84.6750	138.35	80.7660
5.05	84.5870	140.16	81.0740
0.02	84.3240	142.63	81.6020
-0.04	79.6640	145.78	82.0850
-0.02	79.8850	142.52	81.3820
-0.02	80.9860	0.22	72.7630
0.02	83.4030		

TEMPERATURE ON LINER
 THERMOCOUPLE T0062 (CH 2001)
 AZ = 262.8 DEGREES V = 15 FT 5.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2002

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	77.6790	9.89	77.5460
5.33	78.3000	19.55	78.3850
12.31	78.8710	29.57	79.2680
16.44	79.3120	39.42	79.9290
20.51	79.7970	49.16	80.7660
20.46	80.1490	54.50	81.0300
20.47	80.5450	59.57	81.3820
27.05	81.3820	64.20	81.6460
34.69	82.1730	69.32	81.9970
34.53	82.6130	74.16	82.3930
34.53	82.7880	80.16	82.7000
39.70	83.4030	85.61	82.4810
45.90	83.9740	90.58	82.0850
45.65	84.2370	95.69	81.3820
45.62	84.3240	100.92	80.8100
50.10	84.7190	103.25	79.9290
53.47	85.0700	106.11	79.5320
53.29	84.8500	108.31	79.4000
53.21	84.7190	111.08	78.9590
50.49	84.3680	113.24	78.7830
46.14	83.9740	117.83	78.5620
46.13	83.7540	120.92	78.1210
44.97	81.4260	123.28	77.4140
38.98	82.0410	122.97	76.9280
33.99	82.4810	125.82	76.9280
33.96	83.0960	125.60	77.2370
26.83	83.4030	127.84	77.7670
21.88	83.6230	130.19	79.0910
21.90	84.2370	132.53	79.6200
16.69	84.3680	135.33	80.5450
11.74	84.5870	134.42	80.9420
11.77	85.0700	138.35	81.6020
5.05	85.1130	140.16	81.9090
0.02	84.9820	142.63	82.3490
-0.04	79.4000	145.78	82.7000
-0.02	79.8410	142.52	82.5250
-0.02	80.8100	0.22	74.5620
0.02	83.0080		

TEMPERATURE ON LINER
 THERMOCOUPLE T0063 (CH 2002)
 AZ = 306.93 DEGREES V = 20 FT 3.1 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2003

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	79.9730	9.89	79.4000
5.33	80.5450	19.55	80.5010
12.31	81.0740	29.57	81.3380
16.44	81.4700	39.42	81.9090
20.51	81.6460	49.16	82.5690
20.46	81.4700	54.50	82.7000
20.47	81.5580	59.57	82.8760
27.05	82.2610	64.20	82.9640
34.69	82.9200	69.32	83.2710
34.53	82.8760	74.16	83.5350
34.53	82.9640	80.16	83.0960
39.70	83.5350	85.61	82.9640
45.90	84.1050	90.58	82.7440
45.65	84.0170	95.69	82.0850
45.62	84.1050	100.92	81.6460
50.10	84.4120	103.25	80.8980
53.47	84.7190	106.11	80.5900
53.29	84.4120	108.31	80.4130
53.21	84.2810	111.08	80.1050
50.49	83.6660	113.24	79.8850
46.14	83.4030	117.83	79.8410
46.13	83.2270	120.92	79.5320
44.97	82.0850	123.28	78.8270
38.98	82.7000	122.97	78.2530
33.99	82.9200	125.82	78.5620
33.96	83.0080	125.60	78.5180
26.83	83.3150	127.84	79.0910
21.88	83.3590	130.19	79.9730
21.90	83.6230	132.53	80.5010
16.69	83.8860	135.33	80.9860
11.74	83.7980	134.42	80.9420
11.77	84.0610	138.35	81.5140
5.05	84.0610	140.16	81.7780
0.02	83.5350	142.63	82.0850
-0.04	78.6060	145.78	82.4810
-0.02	79.7530	142.52	81.7340
-0.02	81.3380	0.22	73.1180
0.02	84.1930		

TEMPERATURE ON LINER
THERMOCOUPLE T0064 (CH 2003)
AZ = 329.25 DEGREES V = 2 FT 3.5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2004

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	78.6940	9.89	80.2370
5.33	79.4000	19.55	81.2060
12.31	79.7530	29.57	81.8220
16.44	80.5900	39.42	82.1730
20.51	81.9970	49.16	82.3930
20.46	82.3050	54.50	82.6130
20.47	82.0850	59.57	82.4810
27.05	82.6130	64.20	83.3150
34.69	83.6660	69.32	83.3590
34.53	83.6660	74.16	83.7100
34.53	83.4030	80.16	79.6640
39.70	83.5790	85.61	79.6200
45.90	83.1400	90.58	79.4880
45.65	82.4810	95.69	78.6060
45.62	82.4370	100.92	78.1210
50.10	82.7440	103.25	77.3700
53.47	83.0520	106.11	76.8390
53.29	82.3490	108.31	76.7950
53.21	82.1730	111.08	76.4410
50.49	81.4260	113.24	76.1320
46.14	80.8540	117.83	76.4410
46.13	80.8980	120.92	76.0870
44.97	81.9530	123.28	75.9550
38.98	82.4370	122.97	76.1760
33.99	82.6570	125.82	76.0870
33.96	83.3150	125.60	76.9720
26.83	83.4030	127.84	77.6790
21.88	83.5350	130.19	78.3850
21.90	83.8420	132.53	79.6200
16.69	84.1490	135.33	79.6640
11.74	83.9300	134.42	79.8410
11.77	83.5790	138.35	81.6020
5.05	82.9200	140.16	80.8100
0.02	81.6460	142.63	81.5140
-0.04	76.3090	145.78	80.9420
-0.02	79.6200	142.52	79.0470
-0.02	80.7220	0.22	64.1960
0.02	82.9640		

TEMPERATURE ON EH-A
 THERMOCOUPLE T0065 (CH 2004)
 AZ = 180 DEGREES Z = 0.0 FT 0.3 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2005

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	77.4580	9.89	79.3120
5.33	79.4440	19.55	79.9290
12.31	80.6780	29.57	80.7220
16.44	81.6020	39.42	81.2500
20.51	82.2170	49.16	81.6020
20.46	82.4810	54.50	81.7340
20.47	82.9640	59.57	81.7780
27.05	83.4470	64.20	82.2170
34.69	84.1490	69.32	82.6570
34.53	84.5440	74.16	83.1400
34.53	84.3240	80.16	79.9290
39.70	84.1490	85.61	80.2370
45.90	83.6230	90.58	80.4570
45.65	82.6570	95.69	80.0170
45.62	82.6130	100.92	79.4440
50.10	83.0520	103.25	78.3850
53.47	83.4910	106.11	78.0760
53.29	83.1400	108.31	78.4300
53.21	82.8760	111.08	77.8560
50.49	81.9090	113.24	77.7230
46.14	81.0740	117.83	77.9440
46.13	80.8540	120.92	77.2810
44.97	83.8420	123.28	77.1490
38.98	84.1930	122.97	76.7510
33.99	84.3680	125.82	76.7950
33.96	84.8940	125.60	77.5910
26.83	84.9380	127.84	78.3850
21.98	85.2450	130.19	77.8560
21.90	85.5950	132.53	78.8710
16.69	85.4640	135.33	80.4130
11.74	85.0260	134.42	80.5900
11.77	84.3240	138.35	81.9090
5.05	83.7100	140.16	80.8540
0.02	83.2270	142.63	81.7340
-0.04	77.8110	145.78	80.5900
-0.02	81.1620	142.52	78.6060
-0.02	82.7000	0.22	65.1820
0.02	84.0170		

TEMPERATURE ON EH-A
THERMOCOUPLE T0066 (CH 2005)
AZ = 0.0 DEGREES Z = 0.0 FT .25 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2006

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	81.0740	9.89	80.4130
5.33	80.9860	19.55	81.9530
12.31	80.4570	29.57	82.7440
16.44	80.8100	39.42	82.6130
20.51	81.0300	49.16	83.0520
20.46	80.5900	54.50	82.7000
20.47	80.6340	59.57	82.7000
27.05	82.1730	64.20	82.5250
34.69	83.2270	69.32	83.0080
34.53	82.9640	74.16	83.2710
34.53	83.0960	80.16	81.4260
39.70	84.2810	85.61	81.5140
45.90	84.9820	90.58	81.2500
45.65	84.1490	95.69	80.4130
45.62	84.1050	100.92	80.0170
50.10	84.7630	103.25	79.0910
53.47	85.1570	106.11	78.6500
53.29	84.6310	108.31	78.5180
53.21	84.4120	111.08	78.2530
50.49	83.5790	113.24	77.9440
46.14	83.2710	117.83	78.1210
46.13	83.4910	120.92	77.8110
44.97	81.8650	123.28	77.7670
38.98	82.4810	122.97	77.6350
33.99	82.6570	125.82	78.1650
33.96	82.6130	125.60	77.8110
26.83	83.0960	127.84	78.2970
21.88	83.1400	130.19	78.6060
21.90	83.7100	132.53	78.9150
16.69	84.1930	135.33	79.3120
11.74	84.1050	134.42	79.2680
11.77	84.3240	138.35	80.2810
5.05	84.1490	140.16	80.5900
0.02	83.0520	142.63	81.2060
-0.04	80.0610	145.78	81.5140
-0.02	80.1050	142.52	80.5450
-0.02	80.4130	0.22	60.7380
0.02	83.3590		

TEMPERATURE ON EH-B
 THERMOCOUPLE T0067 (CH 2006)
 AZ = 82.85 DEGREES Z = 0.0 FT 0.4 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2007

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	75.4230	9.89	76.1760
5.33	75.7780	19.55	76.5740
12.31	76.4410	29.57	77.1930
16.44	76.9720	39.42	77.6350
20.51	77.7230	49.16	77.9880
20.46	78.4300	54.50	78.4300
20.47	79.0030	59.57	78.8710
27.05	80.0610	64.20	79.2240
34.69	80.8980	69.32	79.5320
34.53	82.8760	74.16	79.9730
34.53	83.7540	80.16	78.5180
39.70	85.0700	85.61	78.2090
45.90	85.8140	90.58	77.7670
45.65	85.2450	95.69	77.1930
45.62	84.8070	100.92	76.7070
50.10	84.4120	103.25	76.0870
53.47	84.0610	106.11	75.6010
53.29	83.5790	108.31	75.4680
53.21	83.2270	111.08	75.1130
50.49	82.7000	113.24	74.8920
46.14	82.4810	117.83	74.6260
46.13	82.2610	120.92	74.4930
44.97	80.3690	123.28	74.4040
38.98	80.8100	122.97	74.7590
33.99	81.2060	125.82	75.5120
33.96	81.7780	125.60	75.7780
26.83	82.1290	127.84	75.9550
21.88	82.7880	130.19	76.0430
21.90	84.2370	132.53	76.3090
16.69	84.9380	135.33	77.1490
11.74	85.9020	134.42	77.6790
11.77	86.1640	138.35	78.6940
5.05	85.8140	140.16	79.0910
0.02	85.5950	142.63	79.9290
-0.04	79.0030	145.78	79.9290
-0.02	79.3120	142.52	79.6640
-0.02	79.4880	0.22	75.8220
0.02	80.4130		

TEMPERATURE ON EH-B
 THERMOCOUPLE T0068 (CH 2007)
 AZ = 270 DEGREES Z = 1 FT 3.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2008

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	75.5560	9.89	77.1490
5.33	76.1320	19.55	77.4140
12.31	76.7950	29.57	77.9440
16.44	77.0600	39.42	78.3410
20.51	78.1650	49.16	78.8270
20.46	79.0470	54.50	79.0030
20.47	79.8410	59.57	79.5320
27.05	80.6340	64.20	79.8410
34.69	81.6460	69.32	80.1050
34.53	84.2370	74.16	80.8100
34.53	85.0260	80.16	79.2680
39.70	85.5080	85.61	79.0030
45.90	85.2450	90.58	78.6060
45.65	84.4120	95.69	77.8560
45.62	83.8850	100.92	77.5460
50.10	83.3590	103.25	77.1050
53.47	83.4030	106.11	76.7510
53.29	82.7440	108.31	76.9720
53.21	82.4810	111.08	76.3970
50.49	82.2610	113.24	76.0870
46.14	82.0850	117.83	75.7330
46.13	81.5580	120.92	75.9100
44.97	80.6780	123.28	75.4230
38.98	81.1620	122.97	75.7780
33.99	81.5140	125.82	76.6180
33.96	81.8220	125.60	77.0160
26.83	82.5250	127.84	76.9280
21.88	83.1840	130.19	77.0160
21.90	85.0260	132.53	77.1050
16.69	85.7260	135.33	77.9000
11.74	86.2080	134.42	78.5620
11.77	85.7700	138.35	79.5760
5.05	85.2890	140.16	79.5320
0.02	85.0260	142.63	80.3250
-0.04	79.4000	145.78	80.2370
-0.02	80.1490	142.52	79.7090
-0.02	80.0170	0.22	77.5910
0.02	80.8540		

TEMPERATURE ON EH-B
THERMOCOUPLE 10069 (CH 2008)
AZ = 358.7 DEGREES Z = 1 FT 3.9 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2009

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	76.3090	9.89	79.8850
5.33	77.4140	19.55	80.7660
12.31	78.7830	29.57	80.9860
16.44	80.3250	39.42	80.6780
20.51	82.2170	49.16	81.5140
20.46	83.2710	54.50	82.8320
20.47	84.2810	59.57	83.2710
27.05	86.6020	64.20	83.3150
34.69	87.6510	69.32	83.6230
34.53	94.4410	74.16	84.9820
34.53	95.4380	80.16	74.5820
39.70	95.4380	85.61	74.2270
45.90	92.4440	90.58	73.6510
45.65	85.4200	95.69	72.8520
45.62	83.8420	100.92	72.4080
50.10	82.9200	103.25	71.2960
53.47	82.3490	106.11	70.2730
53.29	81.1620	108.31	70.4060
53.21	80.5010	111.08	70.0500
50.49	79.7530	113.24	69.4710
46.14	79.8850	117.83	70.0940
46.13	79.7090	120.92	70.4950
44.97	82.2170	123.28	73.4290
38.98	83.2270	122.97	76.1320
33.99	83.7980	125.82	77.4580
33.96	84.6310	125.60	77.2370
26.83	85.9450	127.84	76.7950
21.88	88.5240	130.19	77.3260
21.90	91.9230	132.53	78.4740
16.69	93.6170	135.33	79.4000
11.74	94.2680	134.42	80.5010
11.77	88.4810	138.35	82.6130
5.05	85.8580	140.16	82.3050
0.02	83.8860	142.63	83.5790
-0.04	79.3120	145.78	81.7340
-0.02	79.8410	142.52	80.5900
-0.02	80.3250	0.22	76.0430
0.02	82.7440		

TEMPERATURE ON EH-B
 THERMOCOUPLE T0070 (CH 2009)
 AZ = 358.7 DEGREES Z = 2 FT 5 IN.

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2010

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.4930	9.89	80.0170
5.33	76.3090	19.55	80.8980
12.31	78.6500	29.57	81.0300
16.44	81.3380	39.42	80.7220
20.51	84.3680	49.16	81.7340
20.46	85.6390	54.50	82.9200
20.47	88.9170	59.57	83.2710
27.05	91.0520	64.20	83.4470
34.69	93.4870	69.32	83.7540
34.53	102.1300	74.16	85.2450
34.53	102.9500	80.16	74.5370
39.70	99.8470	85.61	74.2270
45.90	94.0510	90.58	73.6950
45.65	85.2010	95.69	72.5850
45.62	83.0960	100.92	72.1410
50.10	81.3820	103.25	70.9400
53.47	80.5450	106.11	69.9610
53.29	78.2090	108.31	70.2280
53.21	77.3700	111.08	69.9160
50.49	76.9720	113.24	69.3370
46.14	77.5020	117.83	70.0500
46.13	76.5300	120.92	70.3170
44.97	83.0520	123.28	73.3400
38.98	84.2810	122.97	76.1760
33.99	84.9380	125.82	77.6350
33.96	85.8580	125.60	77.3700
26.83	90.3560	127.84	76.8840
21.88	93.5300	130.19	77.5910
21.90	98.9410	132.53	78.5180
16.69	100.2300	135.33	79.5760
11.74	98.7250	134.42	80.7220
11.77	89.3100	138.35	82.8760
5.05	85.5510	140.16	83.1400
0.02	82.6570	142.63	83.7980
-0.04	80.1930	145.78	81.8220
-0.02	79.9730	142.52	80.5900
-0.02	80.5010	0.22	75.6010
0.02	83.5350		

TEMPERATURE ON EXTERIOR BOLT OF EH-B
THERMOCOUPLE T0071 (CH 2010)
AZ = 0.0 DEGREES

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2011

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.4040	9.89	78.4740
5.33	76.3090	19.55	78.7380
12.31	78.8270	29.57	78.4300
16.44	81.2940	39.42	78.2530
20.51	83.6660	49.16	79.7530
20.46	85.2450	54.50	80.7660
20.47	87.5640	59.57	80.8980
27.05	88.0000	64.20	81.5580
34.69	89.7020	69.32	81.1620
34.53	96.9530	74.16	83.8860
34.53	99.5450	80.16	72.5850
39.70	98.0340	85.61	71.7850
45.90	92.4010	90.58	71.4300
45.65	84.7630	95.69	70.0940
45.62	82.8760	100.92	68.9360
50.10	81.2500	103.25	67.8650
53.47	80.5010	106.11	67.3290
53.29	77.5020	108.31	67.4630
53.21	76.3090	111.08	66.8820
50.49	76.5300	113.24	66.0770
46.14	77.1930	117.83	67.0160
46.13	75.1130	120.92	67.0160
44.97	83.0080	123.28	69.6490
38.98	84.5000	122.97	72.0080
33.99	85.3320	125.82	74.0940
33.96	87.4320	125.60	74.8480
26.83	89.3530	127.84	75.1130
21.88	90.6610	130.19	75.6890
21.90	92.3140	132.53	76.5300
16.69	95.4380	135.33	78.5180
11.74	94.6150	134.42	80.8540
11.77	86.6020	138.35	83.2710
5.05	84.9820	140.16	81.2060
0.02	82.5250	142.63	82.8320
-0.04	76.9280	145.78	81.0740
-0.02	78.9150	142.52	79.7970
-0.02	79.7530	0.22	73.5620
0.02	83.9300		

TEMPERATURE ON EH-B
THERMOCOUPLE T0072 (CH 2011)
AZ = 150.23 DEGREES

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2013

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	74.9810	9.89	74.9810
5.33	76.1760	19.55	75.6450
12.31	80.0610	29.57	75.8220
16.44	81.5580	39.42	75.2020
20.51	84.5440	49.16	76.9280
20.46	87.0830	54.50	81.2940
20.47	88.5240	59.57	77.6350
27.05	87.3890	64.20	82.3930
34.69	88.1310	69.32	80.1050
34.53	89.8330	74.16	81.4700
34.53	87.2580	80.16	66.1220
39.70	83.4910	85.61	65.4500
45.90	80.8980	90.58	65.4950
45.65	78.8710	95.69	61.9970
45.62	78.2090	100.92	62.0870
50.10	78.2090	103.25	61.2330
53.47	77.7230	106.11	61.0080
53.29	70.5400	108.31	60.4230
53.21	69.7380	111.08	60.6030
50.49	76.2200	113.24	59.2970
46.14	76.1320	117.83	60.0620
46.13	71.1180	120.92	60.1980
44.97	83.3150	123.28	63.9270
38.98	85.1130	122.97	66.9710
33.99	85.7260	125.82	67.9990
33.96	87.4760	125.60	70.4510
26.83	88.7430	127.84	71.0290
21.88	88.7860	130.19	71.8740
21.90	90.2250	132.53	74.1830
16.69	87.8690	135.33	80.1050
11.74	85.7700	134.42	82.3930
11.77	82.0850	138.35	85.4640
5.05	79.9290	140.16	82.8760
0.02	76.3970	142.63	82.7440
-0.04	71.5630	145.78	79.9730
-0.02	76.2640	142.52	77.3260
-0.02	78.5620	0.22	72.2300
0.02	86.1640		

OUTSIDE TEMPERATURE BENEATH TB-6 THERMOCOUPLE T0073 (CH 2013)

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2014

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
-0.05	75.2460	9.89	74.5820
5.33	76.3530	19.55	75.6010
12.31	80.1930	29.57	74.8480
16.44	81.7340	39.42	73.7390
20.51	84.4120	49.16	76.9280
20.46	87.1260	54.50	81.2060
20.47	88.9170	59.57	76.8390
27.05	87.4320	64.20	79.3120
34.69	87.6510	69.32	78.3410
34.53	90.7040	74.16	80.7660
34.53	87.1260	80.16	65.2710
39.70	83.1840	85.61	64.8680
45.90	80.7660	90.58	63.9270
45.65	78.8710	95.69	60.6030
45.62	78.1210	100.92	59.3420
50.10	78.2970	103.25	59.0260
53.47	77.8110	106.11	58.3500
53.29	70.4510	108.31	59.2510
53.21	69.6040	111.08	58.1240
50.49	76.3090	113.24	57.7180
46.14	76.0430	117.83	58.6650
46.13	70.9400	120.92	58.8010
44.97	83.5790	123.28	63.2540
38.98	85.1130	122.97	66.7480
33.99	86.0770	125.82	67.9990
33.96	87.6510	125.60	70.8960
26.83	88.9170	127.84	71.0290
21.88	88.4810	130.19	71.8740
21.90	90.1380	132.53	74.1830
16.69	88.3500	135.33	77.5910
11.74	85.6390	134.42	82.4810
11.77	81.7340	138.35	83.5790
5.05	79.8410	140.16	83.6660
0.02	75.9990	142.63	82.2170
-0.04	71.7410	145.78	80.0170
-0.02	76.3530	142.52	77.5020
-0.02	78.5180	0.22	71.2960
0.02	86.1200		

OUTSIDE TEMPERATURE BENEATH TB-6 THERMOCOUPLE T0074 (CH 2014)

REINFORCED CONCRETE TEST DATA

THERMOCOUPLE CHANNEL 2015

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Temperature (Fahrenheit)	Pressure (psig)	Temperature (Fahrenheit)
No SIT data		9.89	78.7830
This gage was added after SIT		19.55	79.0030
		29.57	78.7830
		39.42	78.3850
		49.16	79.8850
		54.50	81.5140
		59.57	80.2810
		64.20	83.7540
		69.32	83.2710
		74.16	85.7700
		80.16	74.6260
		85.61	73.8280
		90.58	73.2960
		95.69	71.7410
		100.92	71.3410
		103.25	70.4950
		106.11	69.8720
		108.31	70.0500
		111.08	69.4260
		113.24	68.5790
		117.83	69.0250
		120.92	68.9800
		123.28	70.2280
		122.97	71.4740
		125.82	72.1410
		125.60	74.1830
		127.84	74.8480
		130.19	75.8660
		132.53	77.9440
		135.33	80.0170
		134.42	81.3380
		138.35	84.1050
		140.16	83.0080
		142.63	84.5870
		145.78	82.2170
		142.52	80.3250
		0.22	77.2370

GAGE LOCATED ON THE OUTSIDE SURFACE OF THE MODEL
 THERMOCOUPLE T0075 (CH 2015)
 AZ = 91 DEGREES V = 22 FT

UNCLASSIFIED

END

**DATE
FILMED**

1-6-92

SANDIA NATIONAL LABS

IMAGE EVALUATION TEST TARGET (MT-3)

Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE OF MICROFILMING

1-6-92

MICROFILMED BY

JERRY WARD

SANDIA NATIONAL LABS

THIS DOCUMENT FILMED

AT

24

REDUCTION

Other Instrumentation

Pressure Transducers, Load Links, Embedment
Gages, and Inclinoimeters

REINFORCED CONCRETE TEST DATA

PRESSURE TRANSDUCER CHANNEL 1

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Pressure (psi)	Pressure (psig)	Pressure (psi)
-0.05	11.9050	9.89	21.7370
5.33	17.2450	19.55	31.3320
12.31	24.1530	29.57	41.2870
16.44	28.2460	39.42	51.0780
20.51	32.2750	49.16	60.7780
20.46	32.2200	54.50	66.1030
20.47	32.2120	59.57	71.1510
27.05	38.7400	64.20	75.7560
34.69	46.3400	69.32	80.8540
34.53	46.1700	74.16	85.6720
34.53	46.1550	80.16	91.5970
39.70	51.2920	85.61	97.0370
45.90	57.4570	90.58	102.0000
45.65	57.2150	95.69	107.1100
45.62	57.1850	100.92	112.3200
50.10	61.6420	103.25	114.6400
53.47	65.0100	106.11	117.4900
53.29	64.8270	108.31	119.6900
53.21	64.7550	111.08	122.4500
50.49	62.0470	113.24	124.6100
46.14	57.7250	117.83	129.2000
46.13	57.7370	120.92	132.2900
44.97	56.6370	123.28	134.6500
38.98	50.6600	122.97	134.3500
33.99	45.6920	125.82	137.2100
33.96	45.6400	125.60	136.9900
26.53	38.5370	127.84	139.2300
21.88	33.5970	130.19	141.5700
21.90	33.6070	132.53	143.8900
16.69	28.4080	135.33	146.6300
11.74	23.4830	134.42	145.7100
11.77	23.5080	138.35	149.6100
5.05	16.8340	140.16	151.3900
0.02	11.8260	142.63	153.8400
-0.04	11.8400	145.78	156.9800
-0.02	11.8480	142.52	153.7100
-0.02	11.8440	0.22	11.8650
0.02	11.8270		

REINFORCED CONCRETE TEST DATA

PRESSURE TRANSDUCER CHANNEL 2

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Pressure (psi)	Pressure (psig)	Pressure (psi)
-0.05	-0.0541	9.89	9.8909
5.33	5.3329	19.55	19.5540
12.31	12.3070	29.57	29.5670
16.44	16.4390	39.42	39.4160
20.51	20.5060	49.16	49.1570
20.46	20.4580	54.50	54.5010
20.47	20.4730	59.57	59.5730
27.05	27.0470	64.20	64.1980
34.69	34.6910	69.32	69.3230
34.53	34.5340	74.16	74.1630
34.53	34.5300	80.16	80.1630
39.70	39.7010	85.61	85.6080
45.90	45.8970	90.58	90.5780
45.65	45.6540	95.69	95.6930
45.62	45.6230	100.92	100.9200
50.10	50.0970	103.25	103.2500
53.47	53.4730	106.11	106.1100
53.29	53.2890	108.31	108.3100
53.21	53.2110	111.08	111.0800
50.49	50.4860	113.24	113.2400
46.14	46.1430	117.83	117.8300
46.13	46.1340	120.92	120.9200
44.97	44.9750	123.28	123.2800
38.98	38.9830	122.97	122.9700
33.99	33.9940	125.82	125.8200
33.96	33.9580	125.60	125.6000
26.83	26.8300	127.84	127.8400
21.88	21.8780	130.19	130.1900
21.90	21.9030	132.53	132.5300
16.69	16.6870	135.33	135.3300
11.74	11.7450	134.42	134.4200
11.77	11.7660	138.35	138.3500
5.05	5.0549	140.16	140.1600
0.02	0.0155	142.63	142.6300
-0.04	-0.0363	145.78	145.7800
-0.02	-0.0208	142.52	142.5200
-0.02	-0.0229	0.22	0.2213
0.02	0.0167		

REINFORCED CONCRETE TEST DATA

PRESSURE TRANSDUCER CHANNEL 3

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Pressure (psi)	Pressure (psig)	Pressure (psi)
-0.05	11.1110	9.89	0.0035
5.33	11.1340	29.55	30.4300
12.31	11.1610	29.57	40.4770
16.44	11.1670	39.42	50.3490
20.51	11.2630	49.16	60.0900
20.46	11.2230	54.50	65.4650
20.47	11.3110	59.57	70.6150
27.05	11.3230	64.20	75.1850
34.69	11.2890	69.32	80.3700
34.53	11.4560	74.16	85.2500
34.53	11.4460	80.16	91.0060
39.70	11.4200	85.61	96.4760
45.90	11.3510	90.58	101.4700
45.65	11.1900	95.69	106.5600
45.62	11.1640	100.92	111.8100
50.10	11.1710	103.25	114.1400
53.47	11.1810	106.11	116.9700
53.29	11.1180	108.31	119.1400
53.21	11.0460	111.08	121.9800
50.49	11.0470	113.24	124.1000
46.14	11.1560	117.83	128.7200
46.13	11.1780	120.92	131.8500
44.97	11.2130	123.28	134.2900
38.98	11.2330	122.97	134.0300
33.99	11.3210	125.82	136.9100
33.96	11.2390	125.60	136.6900
26.83	11.2850	127.84	138.9500
21.88	11.3940	130.19	141.2900
21.90	11.3430	132.53	143.6300
16.69	11.4200	135.33	146.4400
11.74	11.4140	134.42	145.5200
11.77	11.3420	138.35	149.4600
5.05	11.2220	140.16	151.1000
0.02	11.1970	142.63	153.8100
-0.04	11.1780	145.78	156.9000
-0.02	11.1540	142.52	153.5900
-0.02	11.2200	0.22	10.8010
0.02	11.2450		

REINFORCED CONCRETE TEST DATA

PRESSURE TRANSDUCER CHANNEL 6

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Pressure (psi)	Pressure (psig)	Pressure (psi)
-0.05	12.3290	9.89	22.1580
5.33	17.6780	19.55	31.7540
12.31	24.5950	29.57	41.7040
16.44	28.7090	39.42	51.5040
20.51	32.7770	49.16	61.2110
20.46	32.7550	54.50	66.5330
20.47	32.7850	59.57	71.5910
27.05	39.3570	64.20	76.2110
34.69	46.9600	69.32	81.3250
34.53	46.8000	74.16	86.1700
34.53	46.7900	80.16	92.0230
39.70	51.9250	85.61	97.4520
45.90	58.0570	90.58	102.4200
45.65	57.7350	95.69	107.5300
45.62	57.6750	100.92	112.7400
50.10	62.1070	103.25	115.0700
53.47	65.4600	106.11	117.9300
53.29	65.2720	108.31	120.1300
53.21	65.1920	111.08	122.8900
50.49	62.4720	113.24	125.0500
46.14	58.1500	117.83	129.6400
46.13	58.1670	120.92	132.7300
44.97	57.1220	123.28	135.0900
38.98	51.1750	122.97	134.7900
33.99	46.2300	125.82	137.6500
33.96	46.2370	125.60	137.4300
26.83	39.1620	127.84	139.6700
21.88	34.2500	130.19	142.0100
21.90	34.2950	132.53	144.3400
16.69	29.1020	135.33	147.1000
11.74	24.1680	134.42	146.2200
11.77	24.1130	138.35	150.1700
5.05	17.3910	140.16	151.9600
0.02	12.3410	142.63	154.4200
-0.04	12.2540	145.78	157.5300
-0.02	12.2900	142.52	154.2200
-0.02	12.3000	0.22	12.3650
0.02	12.3310		

REINFORCED CONCRETE TEST DATA

PRESSURE TRANSDUCER CHANNEL 19

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Pressure (psi)	Pressure (psig)	Pressure (psi)
-0.05	0.0072	9.89	-0.0040
5.33	0.0198	19.55	18.6950
12.31	0.0372	29.57	28.6170
16.44	0.0364	39.42	38.3960
20.51	0.0661	49.16	48.1040
20.46	0.0531	54.50	53.4270
20.47	0.0930	59.57	58.4960
27.05	0.0940	64.20	63.0850
34.69	0.0492	69.32	68.1990
34.53	-0.0308	74.16	73.0450
34.53	-0.0268	80.16	78.8030
39.70	0.0375	85.61	84.2440
45.90	0.0730	90.58	89.1990
45.65	0.0218	95.69	94.2580
45.62	0.0225	100.92	99.4760
50.10	0.0212	103.25	101.7800
53.47	0.0301	106.11	104.6200
53.29	-0.0125	108.31	106.8100
53.21	-0.0256	111.08	109.5800
50.49	-0.0132	113.24	111.7300
46.14	0.0281	117.83	116.3300
46.13	0.0195	120.92	119.4100
44.97	0.0589	123.28	121.8600
38.98	0.0724	122.97	121.6100
33.99	0.0880	125.82	124.4600
33.96	0.0660	125.60	124.2000
26.83	0.0832	127.84	126.4600
21.88	0.0872	130.19	128.8100
21.90	0.1007	132.53	131.1400
16.69	0.0494	135.33	133.9200
11.74	0.0578	134.42	133.0200
11.77	0.1173	138.35	136.9500
5.05	0.0789	140.16	138.6600
0.02	0.0498	142.63	141.2300
-0.04	0.0738	145.78	144.3200
-0.02	0.0685	142.52	141.0700
-0.02	0.0948	0.22	-0.7628
0.02	0.1167		

REINFORCED CONCRETE TEST DATA

LOAD LINK CHANNEL 18

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Load (pounds)	Pressure (psig)	Load (pounds)
-0.05	-18.8726	9.89	149.2915
5.33	31.6980	19.55	412.4693
12.31	135.3001	29.57	661.6259
16.44	190.1445	39.42	911.3482
20.51	284.5916	49.16	1028.2213
20.46	324.8096	54.50	1302.2945
20.47	330.3268	59.57	1358.9549
27.05	506.9661	64.20	1543.5226
34.69	744.5326	69.32	1652.5764
34.53	817.6155	74.16	1754.8826
34.53	829.2055	80.16	1823.1528
39.70	934.5779	85.61	1924.2682
45.90	1097.7815	90.58	1965.0517
45.65	1118.5206	95.69	1994.9199
45.62	1116.0398	100.92	2053.9618
50.10	1192.8438	103.25	2125.8043
53.47	1274.4109	106.11	2134.3381
53.29	1283.5401	108.31	2122.7282
53.21	1277.4870	111.08	2170.8547
50.49	1261.6102	113.24	2220.8666
46.14	1189.1723	117.83	2212.9282
46.13	1161.6856	120.92	2220.7674
44.97	1140.0535	123.28	2321.2874
38.98	1041.4188	122.97	2284.0761
33.99	943.3400	125.82	2280.4046
33.96	946.3962	125.60	2345.0034
26.83	797.1741	127.84	2373.6808
21.88	699.7203	130.19	2354.2318
21.90	699.1249	132.53	2443.7372
16.69	607.7540	135.33	2463.1863
11.74	505.4280	134.42	2456.3394
11.77	482.8928	138.35	2513.5951
5.05	347.6622	140.16	2622.0535
0.02	259.3376	142.63	2668.3939
-0.04	157.4482	145.78	2691.5145
-0.02	174.4563	142.52	2613.5197
-0.02	174.9623	0.22	-751.4986
0.02	158.5398		

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 2 CHANNEL 1126

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0009	9.89	-0.0027
5.33	-0.0009	19.55	0.0048
12.31	-0.0004	29.57	0.0137
16.44	0.0005	39.42	0.0255
20.51	0.0029	49.16	0.0356
20.46	0.0027	54.50	0.0445
20.47	0.0019	59.57	0.0622
27.05	0.0074	64.20	0.0737
34.69	0.0141	69.32	0.0823
34.53	0.0166	74.16	0.0769
34.53	0.0180	80.16	0.0452
39.70	0.0260	85.61	0.0512
45.90	0.0357	90.58	0.0484
45.65	0.0486	95.69	0.0349
45.62	0.0468	100.92	0.0509
50.10	0.0491	103.25	0.0577
53.47	0.0542	106.11	0.0419
53.29	0.0496	108.31	0.0442
53.21	0.0497	111.08	0.0464
50.49	0.0485	113.24	0.0428
46.14	0.0446	117.83	0.0348
46.13	0.0440	120.92	0.0310
44.97	0.0370	123.28	0.0232
38.98	0.0328	122.97	0.0162
33.99	0.0271	125.82	0.0273
33.96	0.0255	125.60	0.0196
26.83	0.0166	127.84	0.0216
21.88	0.0116	130.19	0.0195
21.90	0.0152	132.53	0.0114
16.69	0.0105	135.33	0.0132
11.74	0.0130	134.42	0.0133
11.77	0.0136	138.35	0.0135
5.05	0.0100	140.16	0.0157
0.02	0.0066	142.63	0.0257
-0.04	0.0001	145.78	0.0391
-0.02	-0.0015	142.52	0.0458
-0.02	-0.0028	0.22	0.0258
0.02	-0.0045		

CONCRETE STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
GAGE ER0002 (CH 1126)

AZ = 209 DEGREES R = 11 FT 6 IN. V = 1 FT 8 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 3 CHANNEL 1127

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0001	9.89	-0.0018
5.33	-0.0003	19.55	0.0047
12.31	0.0016	29.57	0.0119
16.44	0.0031	39.42	0.0134
20.51	0.0058	49.16	0.0272
20.46	0.0059	54.50	0.0309
20.47	0.0062	59.57	0.0347
27.05	0.0118	64.20	0.0384
34.69	0.0205	69.32	0.0408
34.53	0.0205	74.16	0.0444
34.53	0.0207	80.16	0.0476
39.70	0.0242	85.61	0.0497
45.90	0.0306	90.58	0.0495
45.65	0.0302	95.69	0.0504
45.62	0.0298	100.92	0.0511
50.10	0.0327	103.25	0.0496
53.47	0.0349	106.11	0.0500
53.29	0.0342	108.31	0.0503
53.21	0.0338	111.08	0.0475
50.49	0.0323	113.24	0.0422
46.14	0.0293	117.83	0.0305
46.13	0.0291	120.92	0.0248
44.97	0.0293	123.28	0.0222
38.98	0.0248	122.97	0.0219
33.99	0.0209	125.82	0.0258
33.96	0.0205	125.60	0.0274
26.83	0.0148	127.84	0.0354
21.88	0.0109	130.19	0.0380
21.90	0.0107	132.53	0.0382
16.69	0.0069	135.33	0.0386
11.74	0.0033	134.42	0.0369
11.77	0.0031	138.35	0.0396
5.05	-0.0001	140.16	0.0427
0.02	-0.0006	142.63	0.0491
-0.04	0.0009	145.78	0.0583
-0.02	-0.0018	142.52	0.0572
-0.02	-0.0023	0.22	0.0494
0.02	-0.0015		

CONCRETE STRAIN OF BASEMAT/CYLINDER WALL JUNCTION
 CAGE ER0003 (CH 1127)
 AZ = 330 DEGREES R = 11 FT 6 IN. V = 1 FT 8 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 4 CHANNEL 1128

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0002
5.33	0.0013	19.55	0.0040
12.31	0.0027	29.57	0.0098
16.44	0.0034	39.42	0.0150
20.51	0.0042	49.16	0.0198
20.46	0.0048	54.50	0.0228
20.47	0.0048	59.57	0.0258
27.05	0.0078	64.20	0.0294
34.69	0.0132	69.32	0.0337
34.53	0.0149	74.16	0.0363
34.53	0.0156	80.16	0.0438
39.70	0.0188	85.61	0.0508
45.90	0.0248	90.58	0.0576
45.65	0.0252	95.69	0.0644
45.62	0.0256	100.92	0.0716
50.10	0.0281	103.25	0.0758
53.47	0.0303	106.11	0.0795
53.29	0.0308	108.31	0.0827
53.21	0.0312	111.08	0.0880
50.49	0.0303	113.24	0.0919
46.14	0.0287	117.83	0.1014
46.13	0.0284	120.92	0.1081
44.97	0.0284	123.28	0.1136
38.98	0.0263	122.97	0.1147
33.99	0.0245	125.82	0.1206
33.96	0.0249	125.60	0.1219
26.83	0.0218	127.84	0.1259
21.88	0.0192	130.19	0.1326
21.90	0.0189	132.53	0.1376
16.69	0.0166	135.33	0.1413
11.74	0.0146	134.42	0.1418
11.77	0.0141	138.35	0.1591
5.05	0.0113	140.16	0.1866
0.02	0.0086	142.63	0.2250
-0.04	0.0075	145.78	0.2601
-0.02	0.0072	142.52	0.2688
-0.02	0.0071	0.22	0.1050
0.02	0.0072		

CONCRETE STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE ER0004 (CH 1128)

AZ = 93 DEGREES R = 11 FT 4.2 IN. V = 2 FT 3 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 5 CHANNEL 1129

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0006	9.89	-0.0005
5.33	-0.0003	19.55	0.0041
12.31	0.0007	29.57	0.0090
16.44	0.0013	39.42	0.0136
20.51	0.0028	49.16	0.0180
20.46	0.0026	54.50	0.0205
20.47	0.0029	59.57	0.0236
27.05	0.0059	64.20	0.0283
34.69	0.0122	69.32	0.0333
34.53	0.0133	74.16	0.0404
34.53	0.0137	80.16	0.0462
39.70	0.0176	85.61	0.0515
45.90	0.0226	90.58	0.0553
45.65	0.0230	95.69	0.0601
45.62	0.0227	100.92	0.0652
50.10	0.0251	103.25	0.0672
53.47	0.0275	106.11	0.0701
53.29	0.0282	108.31	0.0725
53.21	0.0276	111.08	0.0754
50.49	0.0272	113.24	0.0781
46.14	0.0259	117.83	0.0838
46.13	0.0259	120.92	0.0885
44.97	0.0255	123.28	0.0928
38.98	0.0239	122.97	0.0937
33.99	0.0218	125.82	0.0986
33.96	0.0219	125.60	0.0998
26.83	0.0190	127.84	0.1035
21.88	0.0167	130.19	0.1092
21.90	0.0169	132.53	0.1158
16.69	0.0150	135.33	0.1208
11.74	0.0126	134.42	0.1207
11.77	0.0122	138.35	0.1296
5.05	0.0091	140.16	0.1412
0.02	0.0070	142.63	0.2172
-0.04	0.0060	145.78	0.2929
-0.02	0.0061	142.52	0.3051
-0.02	0.0064	0.22	0.1742
0.02	0.0060		

CONCRETE STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE ER0005 (CH 1129)

AZ = 150 DEGREES R = 11 FT 4.2 IN. V = 2 FT 3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 6 CHANNEL 1140

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	-0.0022
5.33	0.0009	19.55	0.0016
12.31	0.0020	29.57	0.0058
16.44	0.0025	39.42	0.0100
20.51	0.0032	49.16	0.0142
20.46	0.0031	54.50	0.0167
20.47	0.0032	59.57	0.0195
27.05	0.0064	64.20	0.0221
34.69	0.0131	69.32	0.0248
34.53	0.0143	74.16	0.0266
34.53	0.0146	80.16	0.0376
39.70	0.0178	85.61	0.0447
45.90	0.0223	90.58	0.0508
45.65	0.0227	95.69	0.0568
45.62	0.0229	100.92	0.0634
50.10	0.0254	103.25	0.0673
53.47	0.0276	106.11	0.0720
53.29	0.0275	108.31	0.0754
53.21	0.0278	111.08	0.0810
50.49	0.0273	113.24	0.0855
46.14	0.0258	117.83	0.0975
46.13	0.0253	120.92	0.1065
44.97	0.0253	123.28	0.1156
38.98	0.0233	122.97	0.1177
33.99	0.0215	125.82	0.1271
33.96	0.0215	125.60	0.1281
26.83	0.0188	127.84	0.1322
21.88	0.0171	130.19	0.1361
21.90	0.0171	132.53	0.1380
16.69	0.0151	135.33	0.1417
11.74	0.0134	134.42	0.1404
11.77	0.0134	138.35	0.1569
5.05	0.0110	140.16	0.1719
0.02	0.0093	142.63	0.2062
-0.04	0.0086	145.78	0.2323
-0.02	0.0082	142.52	0.2381
-0.02	0.0078	0.22	0.0959
0.02	0.0081		

CONCRETE STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE ER0006 (CH 1140)

AZ = 210 DEGREES R = 11 FT 4.2 IN. V = 2 FT 3 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 7 CHANNEL 1141

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0033
5.33	0.0006	19.55	0.0125
12.31	0.0020	29.57	0.0217
16.44	0.0027	39.42	0.0304
20.51	0.0039	49.16	0.0383
20.46	0.0044	54.50	0.0441
20.47	0.0045	59.57	0.0497
27.05	0.0138	64.20	0.0558
34.69	0.0294	69.32	0.0633
34.53	0.0310	74.16	0.0742
34.53	0.0315	80.16	0.0851
39.70	0.0371	85.61	0.0957
45.90	0.0468	90.58	0.1056
45.65	0.0479	95.69	0.1166
45.62	0.0483	100.92	0.1280
50.10	0.0532	103.25	0.1329
53.47	0.0571	106.11	0.1386
53.29	0.0579	108.31	0.1432
53.21	0.0583	111.08	0.1505
50.49	0.0569	113.24	0.1562
46.14	0.0543	117.83	0.1688
46.13	0.0540	120.92	0.1771
44.97	0.0545	123.28	0.1865
38.98	0.0516	122.97	0.1894
33.99	0.0477	125.82	0.1998
33.96	0.0478	125.60	0.1996
26.83	0.0424	127.84	0.2057
21.88	0.0383	130.19	0.2125
21.90	0.0384	132.53	0.2202
16.69	0.0345	135.33	0.2296
11.74	0.0302	134.42	0.2295
11.77	0.0300	138.35	0.2421
5.05	0.0250	140.16	0.2521
0.02	0.0210	142.63	0.3003
-0.04	0.0198	145.78	0.3820
-0.02	0.0192	142.52	0.4041
-0.02	0.0194	0.22	0.2120
0.02	0.0194		

CONCRETE STRAIN OF CYLINDER WALL NEAR BASEMAT
 GAGE ER0007 (CH 1141)

AZ = 270 DEGREES R = 11 FT 4.2 IN. V = 2 FT 3 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 8 CHANNEL 1142

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0000	0.89	0.0010
5.33	0.0011	19.55	0.0078
12.31	0.0023	29.57	0.0144
16.44	0.0031	39.42	0.0207
20.51	0.0047	49.16	0.0269
20.46	0.0052	54.50	0.0308
20.47	0.0054	59.57	0.0345
27.05	0.0099	64.20	0.0389
34.69	0.0202	69.32	0.0435
34.53	0.0214	74.16	0.0498
34.53	0.0215	80.16	0.0581
39.70	0.0256	85.61	0.0655
45.90	0.0328	90.58	0.0708
45.65	0.0339	95.69	0.0776
45.62	0.0340	100.92	0.0839
50.10	0.0377	103.25	0.0874
53.47	0.0413	106.11	0.0908
53.29	0.0417	108.31	0.0935
53.21	0.0415	111.08	0.0970
50.49	0.0407	113.24	0.0998
46.14	0.0385	117.83	0.1059
46.13	0.0383	120.92	0.1105
44.97	0.0386	123.28	0.1151
38.98	0.0357	122.97	0.1163
33.99	0.0334	125.82	0.1216
33.96	0.0334	125.60	0.1233
26.83	0.0297	127.84	0.1257
21.88	0.0269	130.19	0.1282
21.90	0.0268	132.53	0.1317
16.69	0.0240	135.33	0.1364
11.74	0.0209	134.42	0.1361
11.77	0.0212	138.35	0.1426
5.05	0.0174	140.16	0.1458
0.02	0.0149	142.63	0.1518
-0.04	0.0134	145.78	0.1805
-0.02	0.0139	142.52	0.1883
-0.02	0.0137	0.22	0.0392
0.02	0.0142		

CONCRETE STRAIN OF CYLINDER WALL NEAR BASEMAT
GAGE ER0008 (CH 1142)

AZ = 330 DEGREES R = 11 FT 4.2 IN. V = 2 FT 3.5 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 9 CHANNEL 1143

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0005	9.89	-0.0012
5.33	0.0006	19.55	0.0030
12.31	0.0018	29.57	0.0077
16.44	0.0020	39.42	0.0123
20.51	0.0026	49.16	0.0169
20.46	0.0028	54.50	0.0205
20.47	0.0025	59.57	0.0236
27.05	0.0037	64.20	0.0285
34.69	0.0064	69.32	0.0336
34.53	0.0075	74.16	0.0463
34.53	0.0076	80.16	0.0560
39.70	0.0111	85.61	0.0652
45.90	0.0186	90.58	0.0747
45.65	0.0195	95.69	0.0850
45.62	0.0200	100.92	0.0943
50.10	0.0235	103.25	0.0991
53.47	0.0270	106.11	0.1045
53.29	0.0277	108.31	0.1083
53.21	0.0280	111.08	0.1144
50.49	0.0276	113.24	0.1195
46.14	0.0262	117.83	0.1316
46.13	0.0262	120.92	0.1414
44.97	0.0264	123.28	0.1521
38.98	0.0244	122.97	0.1545
33.99	0.0229	125.82	0.1659
33.96	0.0224	125.60	0.1698
26.83	0.0198	127.84	0.1773
21.88	0.0179	130.19	0.1910
21.90	0.0177	132.53	0.2005
16.69	0.0157	135.33	0.2096
11.74	0.0141	134.42	0.2105
11.77	0.0137	138.35	0.2203
5.05	0.0118	140.16	0.2265
0.02	0.0097	142.63	0.2291
-0.04	0.0094	145.78	0.2293
-0.02	0.0094	142.52	0.2244
-0.02	0.0091	0.22	0.0688
0.02	0.0089		

CONCRETE STRAIN OF CYLINDER WALL NEAR BASEMAT

GAGE ER0009 (CH 1143)

AZ = 30 DEGREES R = 11 FT 4.2 IN. V = 2 FT 3.5 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 10 CHANNEL 1144

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	-0.0012
5.33	0.0013	19.55	0.0020
12.31	0.0026	29.57	0.0055
16.44	0.0035	39.42	0.0085
20.51	0.0050	49.16	0.0117
20.46	0.0052	54.50	0.0135
20.47	0.0057	59.57	0.0157
27.05	0.0079	64.20	0.0176
34.69	0.0124	69.32	0.0198
34.53	0.0128	74.16	0.0209
34.53	0.0126	80.16	0.0222
39.70	0.0150	85.61	0.0237
45.90	0.0183	90.58	0.0249
45.65	0.0190	95.69	0.0257
45.62	0.0190	100.92	0.0272
50.10	0.0207	103.25	0.0276
53.47	0.0228	106.11	0.0284
53.29	0.0230	108.31	0.0293
53.21	0.0231	111.08	0.0303
50.49	0.0226	113.24	0.0309
46.14	0.0214	117.83	0.0324
46.13	0.0211	120.92	0.0334
44.97	0.0204	123.28	0.0340
38.98	0.0195	122.97	0.0338
33.99	0.0180	125.82	0.0346
33.96	0.0184	125.60	0.0342
26.83	0.0166	127.84	0.0344
21.88	0.0151	130.19	0.0347
21.90	0.0154	132.53	0.0347
16.69	0.0139	135.33	0.0343
11.74	0.0124	134.42	0.0343
11.77	0.0121	138.35	0.0348
5.05	0.0098	140.16	0.0348
0.02	0.0087	142.63	0.0333
-0.04	0.0070	145.78	0.0310
-0.02	0.0072	142.52	0.0335
-0.02	0.0078	0.22	0.0114
0.02	0.0082		

CONCRETE STRAIN OF BOSS "A" @ 12 O'CLOCK
GAGE ER0010 (CH 1144)
AZ = 0.0 DEGREES R = 11 FT 4.2 IN. V = 17 FT 4.5 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 11 CHANNEL 1145

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0006	9.89	0.0031
5.33	0.0020	19.55	0.0118
12.31	0.0041	29.57	0.0200
16.44	0.0055	39.42	0.0268
20.51	0.0096	49.16	0.0346
20.46	0.0107	54.50	0.0389
20.47	0.0112	59.57	0.0429
27.05	0.0210	64.20	0.0465
34.69	0.0319	69.32	0.0499
34.53	0.0330	74.16	0.0529
34.53	0.0331	80.16	0.0583
39.70	0.0383	85.61	0.0633
45.90	0.0470	90.58	0.0683
45.65	0.0480	95.69	0.0744
45.62	0.0481	100.92	0.0809
50.10	0.0528	103.25	0.0840
53.47	0.0568	106.11	0.0879
53.29	0.0571	108.31	0.0911
53.21	0.0571	111.08	0.0957
50.49	0.0559	113.24	0.0999
46.14	0.0530	117.83	0.1098
46.13	0.0529	120.92	0.1166
44.97	0.0508	123.28	0.1227
38.98	0.0469	122.97	0.1236
33.99	0.0433	125.82	0.1318
33.96	0.0432	125.60	0.1327
26.83	0.0386	127.84	0.1388
21.88	0.0348	130.19	0.1522
21.90	0.0346	132.53	0.1718
16.69	0.0309	135.33	0.2000
11.74	0.0271	134.42	0.2073
11.77	0.0271	138.35	0.2688
5.05	0.0224	140.16	0.3429
0.02	0.0187	142.63	0.4763
-0.04	0.0172	145.78	0.5937
-0.02	0.0174	142.52	0.6199
-0.02	0.0168	0.22	0.4374
0.02	0.0165		

CONCRETE STRAIN OF BOSS "A" @ 3 O'CLOCK
 GAGE ER0011 (CH 1145)
 AZ = 0.0 DEGREES R = 11 FT 5 IN. V = 12 FT 10 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 12 CHANNEL 1146

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0116
5.33	0.0032	19.55	0.0279
12.31	0.0081	29.57	0.0443
16.44	0.0121	39.42	0.0598
20.51	0.0190	49.16	0.0745
20.46	0.0207	54.50	0.0830
20.47	0.0220	59.57	0.0914
27.05	0.0383	64.20	0.1005
34.69	0.0582	69.32	0.1103
34.53	0.0599	74.16	0.1201
34.53	0.0602	80.16	0.1327
39.70	0.0687	85.61	0.1454
45.90	0.0822	90.58	0.1577
45.65	0.0826	95.69	0.1719
45.62	0.0834	100.92	0.1883
50.10	0.0912	103.25	0.1959
53.47	0.0976	106.11	0.2051
53.29	0.0979	108.31	0.2127
53.21	0.0983	111.08	0.2239
50.49	0.0955	113.24	0.2328
46.14	0.0900	117.83	0.2562
46.13	0.0899	120.92	0.2743
44.97	0.0885	123.28	0.2925
38.98	0.0813	122.97	0.2957
33.99	0.0743	125.82	0.3214
33.96	0.0745	125.60	0.3271
26.83	0.0642	127.84	0.3466
21.88	0.0565	130.19	0.4076
21.90	0.0564	132.53	0.5255
16.69	0.0486	135.33	0.7019
11.74	0.0404	134.42	0.7445
11.77	0.0384	138.35	0.9707
5.05	0.0287	140.16	1.1208
0.02	0.0214	142.63	1.3143
-0.04	0.0191	145.78	1.4641
-0.02	0.0190	142.52	1.4953
-0.02	0.0192	0.22	1.1513
0.02	0.0193		

CONCRETE STRAIN OF PL-A @ 3 O'CLOCK
GAGE ER0012 (CH 1146)

AZ = 75 DEGREES R = 11 FT 5 IN. V = 12 FT 10 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 13 CHANNEL 1147

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0008	9.89	0.0002
5.33	0.0024	19.55	0.0060
12.31	0.0042	29.57	0.0118
16.44	0.0053	39.42	0.0164
20.51	0.0065	49.16	0.0211
20.46	0.0067	54.50	0.0250
20.47	0.0067	59.57	0.0285
27.05	0.0129	64.20	0.0321
34.69	0.0204	69.32	0.0359
34.53	0.0209	74.16	0.0398
34.53	0.0209	80.16	0.0448
39.70	0.0249	85.61	0.0494
45.90	0.0309	90.58	0.0532
45.65	0.0313	95.69	0.0578
45.62	0.0312	100.92	0.0626
50.10	0.0345	103.25	0.0647
53.47	0.0372	106.11	0.0669
53.29	0.0377	108.31	0.0688
53.21	0.0377	111.08	0.0717
50.49	0.0371	113.24	0.0742
46.14	0.0356	117.83	0.0799
46.13	0.0352	120.92	0.0843
44.97	0.0339	123.28	0.0877
38.98	0.0322	122.97	0.0885
33.99	0.0301	125.82	0.0948
33.96	0.0301	125.60	0.0961
26.83	0.0273	127.84	0.1005
21.88	0.0252	130.19	0.1137
21.90	0.0253	132.53	0.1471
16.69	0.0228	135.33	0.2171
11.74	0.0208	134.42	0.2231
11.77	0.0210	138.35	0.3073
5.05	0.0180	140.16	0.3476
0.02	0.0158	142.63	0.4676
-0.04	0.0149	145.78	0.5506
-0.02	0.0146	142.52	0.5728
-0.02	0.0151	0.22	0.4497
0.02	0.0152		

CONCRETE STRAIN OF PL-B @ 3 O'CLOCK

GAGE ERO013 (CH 1147)

AZ = 255 DEGREES R = 11 FT 4.5 IN. V = 12 FT 10 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 14 CHANNEL 1148

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0003	9.89	0.0029
5.33	0.0007	19.55	0.0113
12.31	0.0025	29.57	0.0195
16.44	0.0038	39.42	0.0276
20.51	0.0070	49.16	0.0351
20.46	0.0080	54.50	0.0397
20.47	0.0084	59.57	0.0447
27.05	0.0143	64.20	0.0506
34.69	0.0240	69.32	0.0579
34.53	0.0259	74.16	0.0646
34.53	0.0263	80.16	0.0732
39.70	0.0314	85.61	0.0807
45.90	0.0402	90.58	0.0875
45.65	0.0411	95.69	0.0946
45.62	0.0414	100.92	0.1017
50.10	0.0461	103.25	0.1048
53.47	0.0508	106.11	0.1088
53.29	0.0512	108.31	0.1121
53.21	0.0516	111.08	0.1171
50.49	0.0507	113.24	0.1213
46.14	0.0486	117.83	0.1330
46.13	0.0487	120.92	0.1387
44.97	0.0474	123.28	0.1435
38.98	0.0445	122.97	0.1445
33.99	0.0420	125.82	0.1487
33.96	0.0421	125.60	0.1494
26.83	0.0372	127.84	0.1531
21.88	0.0340	130.19	0.1586
21.90	0.0342	132.53	0.1678
16.69	0.0308	135.33	0.2044
11.74	0.0269	134.42	0.2197
11.77	0.0261	138.35	0.3004
5.05	0.0214	140.16	0.3795
0.02	0.0176	142.63	0.4731
-0.04	0.0148	145.78	0.5228
-0.02	0.0148	142.52	0.5309
-0.02	0.0149	0.22	0.3495
0.02	0.0153		

CONCRETE STRAIN OF BOSS "B" @ 12 O'CLOCK
GAGE ER0014 (CH 1148)

AZ = 180 DEGREES R = 11 FT 5 IN. V = 17 FT 3.3 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 15 CHANNEL 1149

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	-0.0005	9.89	0.0097
5.33	0.0044	19.55	0.0252
12.31	0.0102	29.57	0.0412
16.44	0.0139	39.42	0.0565
20.51	0.0194	49.16	0.0714
20.46	0.0204	54.50	0.0799
20.47	0.0211	59.57	0.0894
27.05	0.0350	64.20	0.0993
34.69	0.0511	69.32	0.1106
34.53	0.0531	74.16	0.1230
34.53	0.0537	80.16	0.1386
39.70	0.0622	85.61	0.1555
45.90	0.0735	90.58	0.1728
45.65	0.0735	95.69	0.1944
45.62	0.0734	100.92	0.2222
50.10	0.0807	103.25	0.2364
53.47	0.0872	106.11	0.2552
53.29	0.0878	108.31	0.2716
53.21	0.0875	111.08	0.2988
50.49	0.0844	113.24	0.3235
46.14	0.0786	117.83	0.3995
46.13	0.0775	120.92	0.4632
44.97	0.0766	123.28	0.5252
38.98	0.0688	122.97	0.5398
33.99	0.0611	125.82	0.6302
33.96	0.0613	125.60	0.6507
26.83	0.0507	127.84	0.7011
21.88	0.0440	130.19	0.8162
21.90	0.0438	132.53	0.9632
16.69	0.0366	135.33	1.1091
11.74	0.0290	134.42	1.1405
11.77	0.0283	138.35	1.3092
5.05	0.0195	140.16	1.4341
0.02	0.0130	142.63	1.6259
-0.04	0.0101	145.78	1.7996
-0.02	0.0103	142.52	1.8423
-0.02	0.0103	0.22	1.4513
0.02	0.0107		

CONCRETE STRAIN OF BOSS "B" @ 3 O'CLOCK
GAGE ER0015 (CH 1149)

AZ = 157 DEGREES R = 11 FT 5 IN. V = 12 FT 10 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 16 CHANNEL 1160

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	% Strain	Pressure (psig)	% Strain
-0.05	0.0003	9.89	-0.0002
5.33	0.0007	19.55	0.0043
12.31	0.0020	29.57	0.0088
16.44	0.0028	39.42	0.0133
20.51	0.0049	49.16	0.0176
20.46	0.0055	54.50	0.0201
20.47	0.0057	59.57	0.0222
27.05	0.0102	64.20	0.0254
34.69	0.0180	69.32	0.0285
34.53	0.0198	74.16	0.0313
34.53	0.0204	80.16	0.0347
39.70	0.0235	85.61	0.0376
45.90	0.0295	90.58	0.0405
45.65	0.0305	95.69	0.0435
45.62	0.0305	100.92	0.0463
50.10	0.0332	103.25	0.0480
53.47	0.0357	106.11	0.0498
53.29	0.0359	108.31	0.0514
53.21	0.0353	111.08	0.0534
50.49	0.0353	113.24	0.0549
46.14	0.0337	117.83	0.0585
46.13	0.0339	120.92	0.0613
44.97	0.0328	123.28	0.0638
38.98	0.0314	122.97	0.0642
33.99	0.0293	125.82	0.0669
33.96	0.0294	125.60	0.0673
26.83	0.0263	127.84	0.0690
21.88	0.0241	130.19	0.0721
21.90	0.0229	132.53	0.0764
16.69	0.0213	135.33	0.0825
11.74	0.0195	134.42	0.0837
11.77	0.0194	138.35	0.0963
5.05	0.0159	140.16	0.1054
0.02	0.0142	142.63	0.1137
-0.04	0.0125	145.78	0.1165
-0.02	0.0118	142.52	0.1175
-0.02	0.0123	0.22	0.0463
0.02	0.0123		

CONCRETE STRAIN OF PL-A @ 12 O'CLOCK
GAGE ER0016 (CH 1160)

AZ = 90 DEGREES R = 11 FT 5.8 IN. V = 15 FT 9 IN.

REINFORCED CONCRETE TEST DATA

CONCRETE EMBEDMENT GAGE 17 CHANNEL 1161

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psi)	% Strain	Pressure (psi)	% Strain
-0.05	-0.0008	9.89	0.0071
5.33	0.0010	19.55	0.0191
12.31	0.0027	29.57	0.0318
16.44	0.0042	39.42	0.0432
20.51	0.0079	49.16	0.0535
20.46	0.0092	54.50	0.0608
20.47	0.0096	59.57	0.0679
27.05	0.0204	64.20	0.0764
34.69	0.0358	69.32	0.0866
34.53	0.0369	74.16	0.0978
34.53	0.0376	80.16	0.1129
39.70	0.0449	85.61	0.1266
45.90	0.0589	90.58	0.1390
45.65	0.0611	95.69	0.1529
45.62	0.0621	100.92	0.1681
50.10	0.0699	103.25	0.1754
53.47	0.0767	106.11	0.1835
53.29	0.0781	108.31	0.1900
53.21	0.0788	111.08	0.1998
50.49	0.0780	113.24	0.2081
46.14	0.0747	117.83	0.2290
46.13	0.0746	120.92	0.2493
44.97	0.0746	123.28	0.2680
38.98	0.0696	122.97	0.2727
33.99	0.0632	125.82	0.3022
33.96	0.0649	125.60	0.3105
26.83	0.0582	127.84	0.3359
21.88	0.0520	130.19	0.3928
21.90	0.0519	132.53	0.5149
16.69	0.0465	135.33	0.6855
11.74	0.0407	134.42	0.7234
11.77	0.0401	138.35	0.8968
5.05	0.0331	140.16	0.9989
0.02	0.0278	142.63	1.0939
-0.04	0.0246	145.78	1.1522
-0.02	0.0237	142.52	1.1594
-0.02	0.0242	0.22	0.7660
0.0247			

CONCRETE STRAIN OF PL-B @ 12 0'CLOCK
GAGE ER0017 (CH 1161)

AZ = 270 DEGREES R = 1' FT 5 IN. V = 15 FT 8 IN.

Pressure (psig)-Channel #2

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2480

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure	Rotation	Pressure	Rotation
(psig)	(degrees)	(psig)	(degrees)
-0.05	0.0006	9.89	-0.0084
5.33	0.0016	19.55	-0.0067
12.31	0.0006	29.57	-0.0072
16.44	0.0009	39.42	-0.0101
20.51	0.0007	49.16	-0.0106
20.46	0.0000	54.50	-0.0115
20.47	-0.0002	59.57	-0.0116
27.05	0.0000	64.20	-0.0121
34.69	-0.0005	69.32	-0.0132
34.53	-0.0007	74.16	-0.0153
34.53	-0.0008	80.16	-0.0155
39.70	-0.0013	85.61	-0.0161
45.90	-0.0033	90.58	-0.0143
45.65	-0.0037	95.69	-0.0138
45.62	-0.0037	100.92	-0.0142
50.10	-0.0048	103.25	-0.0149
53.47	-0.0056	106.11	-0.0155
53.29	-0.0053	108.31	-0.0161
53.21	-0.0050	111.08	-0.0153
50.49	-0.0041	113.24	-0.0164
46.14	-0.0031	117.83	-0.0184
46.13	-0.0028	120.92	-0.0199
44.97	-0.0008	123.28	-0.0203
38.98	-0.0010	122.97	-0.0214
33.99	-0.0009	125.82	-0.0222
33.96	-0.0008	125.60	-0.0224
26.83	-0.0006	127.84	-0.0225
21.88	-0.0010	130.19	-0.0238
21.90	-0.0007	132.53	-0.0249
16.69	-0.0009	135.33	-0.0261
11.74	-0.0006	134.42	-0.0268
11.77	-0.0009	138.35	-0.0298
5.05	-0.0006	140.16	-0.0319
0.02	-0.0006	142.63	-0.0365
-0.04	-0.0021	145.78	-0.0422
-0.02	-0.0024	142.52	-0.0445
-0.02	0.0142	0.22	-0.0360
0.02	0.0031		

TILT SENSOR TOP OF COLUMN ORIENTED 90 DEG.
 SENSOR 10001 (CH 2480)
 AZ = 90 DEGREES V = 19 FT 7.9 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2481

STRUCTURAL INTEGRITY TEST HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	-0.0007	9.89	0.0027
5.33	-0.0024	19.55	0.0080
12.31	-0.0027	29.57	0.0063
16.44	-0.0053	39.42	0.0100
20.51	-0.0029	49.16	0.0084
20.46	-0.0039	54.50	0.0132
20.47	-0.0035	59.57	0.0118
27.05	-0.0019	64.20	0.0137
34.69	-0.0029	69.32	0.0083
34.53	-0.0005	74.16	0.0170
34.53	-0.0018	80.16	0.0171
39.70	-0.0028	85.61	0.0131
45.90	-0.0016	90.58	0.0153
45.65	-0.0028	95.69	0.0182
45.62	-0.0010	100.92	0.0186
50.10	-0.0028	103.25	0.0205
53.47	-0.0016	106.11	0.0113
53.29	-0.0016	108.31	0.0164
53.21	-0.0002	111.08	0.0193
50.49	-0.0009	113.24	0.0220
46.14	-0.0035	117.83	0.0228
46.13	-0.0005	120.92	0.0282
44.97	-0.0005	123.28	0.0264
38.98	-0.0045	122.97	0.0277
33.99	-0.0025	125.82	0.0297
33.96	-0.0014	125.60	0.0289
26.83	-0.0022	127.84	0.0263
21.88	-0.0019	130.19	0.0295
21.90	-0.0018	132.53	0.0337
16.69	-0.0024	135.33	0.0321
11.74	-0.0005	134.42	0.0271
11.77	0.0003	138.35	0.0361
5.05	-0.0048	140.16	0.0353
0.02	-0.0024	142.63	0.0414
-0.04	-0.0044	145.78	0.0443
-0.02	-0.0052	142.52	0.0484
-0.02	0.0022	0.22	-0.0063
0.02	-0.0024		

TILT SENSOR TOP OF COLUMN ORIENTED 180 DEG.
 SENSOR 10002 (CH 2481)
 AZ - 180 DEGREES V = 19 FT 7.9 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2482

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	0.0169	9.89	0.0193
5.33	0.0118	19.55	0.0220
12.31	0.0069	29.57	0.0276
16.44	0.0131	39.42	0.0273
20.51	0.0217	49.16	0.0271
20.46	0.0224	54.50	0.0266
20.47	0.0500	59.57	0.0244
27.05	0.0441	64.20	0.0338
34.69	0.0398	69.32	0.0354
34.53	0.0398	74.16	0.0383
34.53	0.0418	80.16	-0.0010
39.70	0.0386	85.61	0.0042
45.90	0.0406	90.58	0.0035
45.65	0.0447	95.69	-0.0003
45.62	0.0459	100.92	-0.0019
50.10	0.0473	103.25	0.0046
53.47	0.0441	106.11	-0.0045
53.29	0.0454	108.31	0.0001
53.21	0.0386	111.08	-0.0003
50.49	0.0438	113.24	0.0022
46.14	0.0338	117.83	0.0028
46.13	0.0376	120.92	-0.0009
44.97	0.0412	123.28	0.0340
38.98	0.0516	122.97	0.0481
33.99	0.0438	125.82	0.0218
33.96	0.0562	125.60	0.0271
26.83	0.0643	127.84	0.0306
21.88	0.0426	130.19	0.0227
21.90	0.0563	132.53	0.0264
16.69	0.0424	135.33	0.0345
11.74	0.0436	134.42	0.0355
11.77	0.0418	138.35	0.0423
5.05	0.0393	140.16	0.0373
0.02	0.0432	142.63	0.0444
-0.04	0.0483	145.78	0.0390
-0.02	0.0388	142.52	0.0304
-0.02	0.0424	0.22	-0.0234
0.02	0.0501		

TILT SENSOR TOP OF TRACK SYSTEM @ 0.0 DEG.
 SENSOR 10003 (CH 2482)
 AZ = 0.0 DEGREES V = 10 FT 7 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2483

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	-0.0204	9.89	-0.0083
5.33	-0.0262	19.55	-0.0063
12.31	-0.0195	29.57	-0.0065
16.44	-0.0212	39.42	-0.0075
20.51	-0.0224	49.16	-0.0076
20.46	-0.0255	54.50	-0.0052
20.47	-0.0418	59.57	-0.0025
27.05	-0.0221	64.20	-0.0034
34.69	-0.0189	69.32	0.0010
34.53	-0.0259	74.16	-0.0010
34.53	-0.0247	80.16	0.0309
39.70	-0.0199	85.61	0.0379
45.90	-0.0152	90.58	0.0419
45.65	-0.0129	95.69	0.0484
45.62	-0.0129	100.92	0.0532
50.10	-0.0145	103.25	0.0551
53.47	-0.0127	106.11	0.0580
53.29	-0.0011	108.31	0.0604
53.21	-0.0057	111.08	0.0640
50.49	-0.0080	113.24	0.0665
46.14	-0.0068	117.83	0.0738
46.13	-0.0004	120.92	0.0781
44.97	-0.0067	123.28	0.0755
38.98	0.0143	122.97	0.0846
33.99	0.0026	125.82	0.0771
33.96	-0.0170	125.60	0.0916
26.83	-0.0047	127.84	0.1006
21.88	-0.0194	130.19	0.0947
21.90	-0.0177	132.53	0.0926
16.69	-0.0157	135.33	0.1051
11.74	-0.0147	134.42	0.1138
11.77	-0.0096	138.35	0.1167
5.05	-0.0105	140.16	0.1163
0.02	-0.0056	142.63	0.1294
-0.04	0.0121	145.78	0.1487
-0.02	-0.0012	142.52	0.1503
-0.02	-0.0031	0.22	0.0175
0.02	-0.0030		

EXTERIOR TILT SENSOR ON RAIL MOMENT ARM

SENSOR 10004 (CH 2483)

AZ = 0.0 DEGREES V = 1 FT 11.5 IN. ARM = 10 FT 4.75 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2484

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	0.0014	9.89	0.0013
5.33	0.0024	19.55	0.0012
12.31	0.0072	29.57	-0.0002
16.44	0.0075	39.42	-0.0045
20.51	0.0129	49.16	0.0008
20.46	0.0132	54.50	-0.0006
20.47	0.0154	59.57	-0.0048
27.05	0.0101	64.20	-0.0022
34.69	0.0068	69.32	-0.0094
34.53	0.0074	74.16	-0.0263
34.53	0.0066	80.16	-0.0602
39.70	0.0050	85.61	-0.0749
45.90	0.0033	90.58	-0.0902
45.65	-0.0003	95.69	-0.1081
45.62	-0.0015	100.92	-0.1287
50.10	-0.0034	103.25	-0.1438
53.47	-0.0039	106.11	-0.1556
53.29	-0.0083	108.31	-0.1655
53.21	-0.0092	111.08	-0.1795
50.49	-0.0073	113.24	-0.1877
46.14	-0.0039	117.83	-0.2112
46.13	-0.0094	120.92	-0.2293
44.97	-0.0011	123.28	-0.2483
38.98	0.0020	122.97	-0.2525
33.99	0.0066	125.82	-0.2676
33.96	0.0094	125.60	-0.2745
26.83	0.0099	127.84	-0.2840
21.88	0.0072	130.19	-0.3040
21.90	0.0037	132.53	-0.3269
16.69	0.0051	135.33	-0.3556
11.74	0.0051	134.42	-0.3910
11.77	0.0057	138.35	-0.4214
5.05	0.0044	140.16	-0.4417
0.02	0.0040	142.63	-0.4774
-0.04	-0.0045	145.78	-0.5031
-0.02	0.0017	142.52	-0.5166
-0.02	0.0043	0.22	-0.2590
0.02	0.0089		

TILT SENSOR MOUNTED ON BASEMAT
 SENSOR 10005 (CH 2484)
 AZ = 93.6 DEGREES V = 1 FT 9 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2485

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	-0.0011	9.89	0.0054
5.33	0.0025	19.55	0.0040
12.31	0.0159	29.57	0.0051
16.44	0.0087	39.42	0.0056
20.51	0.0063	49.16	0.0049
20.46	0.0149	54.50	0.0057
20.47	0.0074	59.57	0.0089
27.05	0.0126	64.20	0.0115
34.69	0.0152	69.32	0.0146
34.53	0.0145	74.16	0.0233
34.53	0.0120	80.16	0.0241
39.70	0.0139	85.61	0.0289
45.90	0.0145	90.58	0.0353
45.65	0.0115	95.69	0.0404
45.62	0.0244	100.92	0.0472
50.10	0.0223	103.25	0.0505
53.47	0.0250	106.11	0.0547
53.29	0.0218	108.31	0.0603
53.21	0.0167	111.08	0.0651
50.49	0.0136	113.24	0.0692
46.14	0.0332	117.83	0.0826
46.13	0.0210	120.92	0.0880
44.97	0.0139	123.28	0.0941
38.98	0.0442	122.97	0.0946
33.99	0.0293	125.82	0.1020
33.96	0.0389	125.60	0.1030
26.83	0.0571	127.8'	0.1056
21.88	0.0360	130.19	0.1188
21.90	0.0190	132.53	0.1237
16.69	0.0250	135.33	0.1345
11.74	0.0246	134.42	0.1498
11.77	0.0247	138.35	0.1534
5.05	0.0134	140.16	0.1558
0.02	0.0166	142.63	0.1824
-0.04	0.0114	145.78	0.2005
-0.02	0.0079	142.52	0.2109
-0.02	0.0104	0.22	0.0342
0.02	0.0714		

EXTERIOR TILT SENSOR ON RAIL MOMENT ARM
 SENSOR 10006 (CH 2485)

AZ = 90 DEGREES V = 1 FT 11.5 IN. ARM = 10 FT 6 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2486

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	0.0055	9.89	-0.0192
5.33	0.0149	19.55	-0.0275
12.31	0.0167	29.57	-0.0283
16.44	0.0116	39.42	-0.0309
20.51	-0.0082	49.16	-0.0352
20.46	-0.0063	54.50	-0.0355
20.47	0.0008	59.57	-0.0494
27.05	-0.0049	64.20	-0.0434
34.69	-0.0239	69.32	-0.0545
34.53	-0.0214	74.16	-0.0783
34.53	-0.0195	80.16	-0.0308
39.70	-0.0180	85.61	-0.0401
45.90	0.0253	90.58	-0.0496
45.65	0.0607	95.69	-0.0497
45.62	0.0500	100.92	-0.0575
50.10	0.0502	103.25	-0.0565
53.47	0.0498	106.11	-0.0592
53.29	0.0426	108.31	-0.0547
53.21	0.0549	111.08	-0.0663
50.49	0.0536	113.24	-0.0678
46.14	0.0428	117.83	-0.0723
46.13	0.0314	120.92	-0.0850
44.97	0.0435	123.28	-0.1322
38.98	0.0395	122.97	-0.1344
33.99	0.0182	125.82	-0.1471
33.96	0.0220	125.60	-0.1167
26.83	0.0135	127.84	-0.1214
21.88	0.0007	130.19	-0.1384
21.90	0.0027	132.53	-0.1380
16.69	-0.0024	135.33	-0.1581
11.74	0.0021	134.42	-0.1576
11.77	0.0234	138.35	-0.1785
5.05	0.0386	140.16	-0.1396
0.02	0.0365	142.63	-0.1878
-0.04	0.0676	145.78	-0.1778
-0.02	0.0385	142.52	-0.1818
-0.02	0.0288	0.22	-0.0514
0.02	0.0478		

TILT SENSOR TOP OF TRACK SYSTEM @ 180 DEG.
 SENSOR 10007 (CH 2486)
 AZ = 180 DEGREES V = 10 FT 7 IN.

REINFORCED CONCRETE TEST DATA

INCLINOMETER CHANNEL 2487

STRUCTURAL INTEGRITY TEST

HIGH PRESSURE TEST

Pressure (psig)	Rotation (degrees)	Pressure (psig)	Rotation (degrees)
-0.05	-0.0134	9.89	0.0085
5.33	-0.0223	19.55	0.0012
12.31	-0.0220	29.57	0.0066
16.44	-0.0285	39.42	0.0046
20.51	-0.0373	49.16	0.0006
20.46	-0.0359	54.50	-0.0013
20.47	-0.0373	59.57	0.0033
27.05	-0.0387	64.20	-0.0018
34.69	-0.0419	69.32	0.0016
34.53	-0.0450	74.16	0.0009
34.53	0.0437	80.16	0.0301
39.70	-0.0329	85.61	0.0339
45.90	-0.0201	90.58	0.0368
45.65	-0.0229	95.69	0.0450
45.62	-0.0251	100.92	0.0493
50.10	-0.0173	103.25	0.0523
53.47	-0.0221	106.11	0.0551
53.29	-0.0193	108.31	0.0573
53.21	-0.0213	111.08	0.0598
50.49	-0.0241	113.24	0.0628
46.14	-0.0246	117.83	0.0688
46.13	-0.0214	120.92	0.0741
44.97	-0.0325	123.78	0.0648
38.98	-0.0350	122.97	0.0513
33.99	-0.0359	125.82	0.0526
33.96	-0.0383	125.60	0.0649
26.83	-0.0421	127.84	0.0647
21.88	-0.0443	130.19	0.0749
21.90	-0.0493	132.53	0.0755
16.69	-0.0498	135.33	0.0873
11.74	-0.0539	134.42	0.0821
11.77	-0.0361	138.35	0.0873
5.05	-0.0345	140.15	0.1081
0.02	-0.0294	142.63	0.1088
-0.04	-0.0516	145.78	0.1263
-0.02	-0.0378	142.52	0.1436
-0.02	-0.0361	0.22	0.0103
0.02	-0.0368		

EXTERIOR TILT SENSOR ON RAIL MOMENT ARM
 SENSOR 10008 (CH 2487)

AZ = 225 DEGREES V = 1 FT 11.5 IN. ARM = 10 FT 9 IN.

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END

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