85008217

THE MEYER GROUP

NEW ORLEANS, LOUISIANA

MASTER

PROJECT REPORT

FOR

FIRST ORDER CLASS 1 LEVELS

NEAR

PLEASANT BAYOU GEOTHERMAL TEST WELL

BRAZORIA COUNTY, TEXAS

UNIVERSITY OF TEXAS AT AUSTIN
BUREAU OF ECONOMIC GEOLOGY

DE-AC08-79ET27111

OCTOBER 1984

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PROJECT REPORT
VERNON F. MEYER AND ASSOCIATES, INC.
1ST ORDER LEVELING: PLEASANT BAYOU GEOTHERMAL TEST SITE
BRAZORIA COUNTY, TEXAS

I. INTRODUCTION

A. Purpose

First order leveling to be conducted as part of an environmental monitoring program for geopressured test well.

B. Scope

Establish Class "B" type deep rod marks. Conduct first order leveling to determine the elevation of the installed bench marks and tie them to the existing NGS first order network. The establishment of marks and leveling surveys must conform to NGS specifications.

II. LOCATION

A. Locality

A first order level loop was established from Liverpool Texas, east along existing NGS first order line #101 to Nolen Road; thence, southeasterly along Nolen Road and Highway #2917 to the entrance road to the Pleasant Bayou geopressured well; thence, southwesterly along gravel road to the well area; thence, westerly across Chocolate Bayou to the existing NGS first order line #105; thence North along county road and level line #105 to Liverpool.

B. Area Covered

19.07 kilometers of double-run levels (major loop)
1.29 kilometers of single-run levels on loop around well area

$$19.07 \times 2 = 38.14$$

$$\text{TOTAL } \frac{1.29}{39.43} \text{ km}$$

III. CONDITIONS AFFECTING PROGRESS

A. Climate

Benchmark construction was performed during the week of June 11 - 15, 1984. The weather was very hot and humid with occasional afternoon showers. There was no major loss of time due to weather.

Leveling was performed during June 25 - 30, 1984. Similar conditions as mentioned above were encountered with minimal down time due to weather.

B. Topography

The terrain was flat with the level lines routed along railroad tracks, county and state roads, dirt roads, and some cross country. Chocolate Bayou bisected the major level loop. Levels were run across the bayou via the railroad tressel on the north, and near Peterson Landing on the south.

C. Transportation

Two vehicles were used on the entire assignment. A 3/4-ton pickup and a 3/4-ton suburban. There were a few places the vehicles could not be used such as along the railroad and whenever heavy highway traffic and narrow roads were encountered.

IV. ORGANIZATION

A. Party Personnel

The mark setting unit consisted of a mark setter foreman and three (3) helpers. The observing unit consisted of an observer who was the unit chief, a recorder, two rodmen and a pacer. The observer and recorder alternated duties on site, one of the rodmen served as the backup recorder and the rodmen took turns with the pacing duties.

B. Equipment

To establish Class B type benchmarks, 9/16" stainless steel extension rods were driven by use of a Pionjar gasoline powered breaker/drill and driver. The driver was raised and lowered by use of block and tackle suspended from a steel pole tripod. The top 3' of the mark was encased in a 6" pvc tube and cap secured by concrete.

A survey cap was crimped to the top of the last section of driven rod by use of a hand-operated hydraulic tool.

Observations were accomplished using a Wild NA2 automatic level with parallel plate micrometer; one set of double-scale Kern 1-centimeter matched rods with rod struts. Turning pins with removable driving caps were used to support the rods during observations. The Hewlett Packard 97 programmable printing calculator was used to record observations. Temperature and weather conditions were read and recorded at the beginning and end of each section.

V. FIELD WORK

A. Chronology

A reconnaissance was made along the selected route to the well site and to determine a junction point with previous National Geodetic Survey leveling near Liverpool. Property owners were contacted for permission to set benchmarks at selected locations. Benchmarks were recovered for a connection to the NGS leveling net.

The bench mark unit moved from Sulphur to Liverpool, Texas on the morning of June 11, 1984 with mark setting getting underway in the afternoon. Mark setting was completed on June 14, 1984 at which time the unit returned to Sulphur. Twelve (12) Class B type marks were set. Nine (9) marks were recovered along existing NGS lines.

The leveling unit was moved from Sulphur to Liverpool, Texas on June 25, 1984 with observations beginning in the afternoon. A good tie was made to National Geodetic Survey leveling along line #101 and #105. Basis for elevations were benchmark C-1209, a Class "B" deep rod mark. Horizontal control mark, Liverpool 1931 and its reference marks were incorporated in the level loop. These marks are shallow concrete posts and should not be used as a starting elevation.

Levels were run from benchmark C-1209 south along line #105 to Peterson Landing. Levels were then transferred across Chocolate Bayou, through the well area, and northeasterly to NGS level line #101. A tie was established on benchmark A-1208.

This completion of the level loop was on June 30, 1984 and marked the completion of field observations.

C. Methods (Leveling)

Geodetic leveling rods used by VFM are rigid one-piece rods, 3 m in length with an aluminum housing. The invar strip is graduated at 1.0 cm (one-centimeter) intervals. The rod is ruggedly built to withstand daily use for several years. A circular level is mounted on the back of the rod housing in easy view of the rod person. Telescoping, swiveling brace poles are attached to the top of the rod to minimize movement as observations are made. A "rod pin guide" is attached to the bottom of the rod to ensure the rod is properly placed on the rod turning point. The rods are calibrated at every graduation when first purchased, and are scheduled for recalibration every year or whenever severe jolts occur which might affect the most recent calibration.

The turning points which support the rod are designed to be stable enough to resist movement while the points are temporarily holding the elevation as the instrument and "back" rod are moved to a new setup. VFM primarily uses two types of turning points: a steel pin with a spherical head, which has a driving cap attached, and the turning plate. The steel pin is about 36 cm long. To facilitate driving, it is tapered to a point at the bottom. The pin should not be driven on a slant but rather set in the most vertical position possible. The turning plate (turtle) weighs about 7 kg (15 lbs.) and has three flat removable feet, allowing a masonry nail to be inserted through the bottom of each foot. The nail protrudes about 5 mm and prevents horizontal slippage, yet allows the weight of the plate and rod to be distributed over the flat surface of the feet.

VFM procedures for first-order double simultaneous leveling involving closed loops permits leveling of the line in one direction only, thereby eliminating the traditional method of running forward and backward (both directions) on the line. This is accomplished with the use of double-scaled geodetic invar leveling rods. One side of the invar scale is graduated from zero; the opposite side is offset by an arbitrary constant. The second rod has the invar scale graduated from zero, and its opposite side is offset by a different constant, creating an unmatched pair of rods. The unmatched pair of rods guards against transposing foresight and backsight observations. The rod with the lower constant is designated as the number 1 rod and observations are always made on this rod first.

A typical setup as leveling proceeds from a bench mark is as follows. The number 1 rod is placed on the bench mark and the number 2 rod is placed some distance (as much as 100m) from the number 1 rod in the direction of the planned leveling. The instrument is placed at a point equidistant between the two rods. The observing routine is executed in this sequence: (1) Place the instrument's rotating compensator knob in position 1. (2) Read the backsight low scale (number 1 rod) and the stadia wire. (3) With the compensator still in position 1, rotate the instrument to the foresight (number 2 rod) and read the foresight low scale and the stadia wire. An elevation difference and the distances between the instrument and both rods have now been determined with the low scale readings. (4) While still pointed on the foresight rod, change the instrument compensator to position 2 and read the foresight high scale. (5) Rotate the instrument to the back rod and read the backsight high scale. A second elevation difference has now been determined and the two must agree with certain tolerances.

The above procedure is repeated by moving the instrument and back rod into the second setup position. The only change in the procedure is that the compensator position at the

completion of the first set remains in position 2 until the low scales have been read for the second setup. In other words, the compensator should be in position 1 at the beginning of every odd number of setups and in position 2 at the beginning of every even number of setups.

The development of new observing procedures, electronic equipment, and techniques has solved the problem of recording leveling data. Traditional hand-recording in field books had become a nightmare. VFM now uses a recording system designed to collect and record data in computer-readable form. A programmable HP 97 calculator with a tape recorder is presently used for this purpose.

The direction of running levels was alternated on most days.

Collimation checks were made in accordance with NGS specifications.

D. Methods (Benchmark)

Frost depth, soil conditions, and local subsidence are some factors which work upon benchmark monuments causing vertical movement. The degree to which monuments maintain vertical stability under the influence of local disturbing effects is a factor in determining the quality of a benchmark. Generally, steel rods or pipes that are driven to a depth sufficient to resist these effects, or disks cemented into large rocks or massive structures, are considered to be of quality B.

Vernon F. Meyer and Associates, inc. is currently using stainless steel rods to establish quality B monuments whenever rock or massive structures are not available. The rods are made from type-316 stainless steel which is more resistant to corrosion than other affordable alloys. The rods are 4 foot long and are connected by stainless steel studs. The rods are assembled and driven to refusal or a minimum depth that is determined from local frost and soil conditions. A type-316 stainless steel cap with a hemispherical end is crimped to the top of the rod as the reference point. A 5 inch diameter pvc pipe, 1/2 m in length, is placed around the top of the rod and concreted in placed for protection. An aluminum logo cap or standard pvc cap with a hinged cover for accessing the monument is stamped with the appropriate benchmark designation and glued to the top of the pipe.

A quality B rod monument that is set in an area having nonexpansive soil and frost penetration of less than 1/2 m can be expected to hold its elevation very well. Under these conditions, the monument is upgraded to quality A. Type A benchmarks were not required for this project, and therefore, will not be discussed.

E. Adjustments

The field elevations were not adjusted. They are used in comparison with previous adjusted elevations as published by the National Geodetic Survey and to be used on any future subsidence studies.

F. Summary

39.43 kilometers of first order levels were run to NGS specifications. Twelve (12) Class B type bench marks were set to NGS specifications.

The adjusted elevation of bench mark C-1209 was used as a starting elevation and is based on a supplementary adjustment of April 6, 1979 by NGS.

The closure for the loop around the well site is -0.65 millimeters. The distance around the loop is 1.29 kilometers, the allowable error of closure was 4.54 millimeters.

The initial leveling of this well was performed in 1977 by Teledyne Geotronics. A thorough search for their monumentation was conducted. No monuments were found due to the lack of adequate monument description. Therefore, an elevation comparison summary for this report is only available along the NGS lines outside the well area. The first order level tie to line #101 (BMA-1208) was +3.37 millimeters in 17.21 kilometers. The allowable error of closure was 12.44 millimeters.

Benchmarks Set By Vernon F. Meyer and Associates, Inc.

<u>Benchmark</u>	<u>Depth Driven</u>
BRZ 1	52.0 ft.
BRZ 2	52.0 ft.
BRZ 3	24.0 ft.
BRZ 4	24.0 ft.
BRZ 5	52.0 ft.
BRZ 6	56.0 ft.
BRZ 7	44.0 ft.
BRZ 8	40.0 ft.
BRZ 9	52.0 ft.
BRZ 10	80.0 ft.
BRZ 11	40.0 ft.
BRZ 12	80.0 ft.

Note: Rods that were not driven to 100 feet was due to the amount of time it took to drive the last section of rod. When the driving time exceeded 3 minutes to drive a 4 foot section of rod, the mark was considered as refusal.

VI. BENCHMARK DESCRIPTIONS

BRZ-1 (Well Area)

Near Pleasant Bayou test wells, at dead end of East-West gravel road in front of well area; 123 feet West-Northwest of the Northwest Corner of fence around well area; 158 feet West of a 6 foot steel pipe with elbow joint on top (2 foot above ground); 97 feet West-Southwest of the Southeast Corner of fresh water pond; 42 feet Southeast of East bank of pond.

A stainless steel rod drive to refusal at a depth of 52' incased in a 6" pvc pipe with cap.

BRZ-2 (Well Area)

North of the Pleasant Bayou test well. 0.30 kilometers North-Northeast of bench mark BRZ-1; on last, high bank of Chocolate Bayou and edge of cleared pasture; 10 feet East of a 4 foot tallow tree; 100 feet South of 33.12 foot live oak trees spaced 2 foot apart.

A stainless steel rod driven to refusal at a depth of 52' incased in a 6" pvc pipe with cap.

BRZ-3 (Well Area)

South of the Pleasant Bayou test well. 0.32 kilometers Southeast of bench mark BRZ-1; 7.5 feet South of the East-West fence along the South boundary of the well area; 6 feet West of the projection of a North-South pipe rack.

A stainless steel rod driven to refusal at a depth of 24' incased in a 6" pvc pipe with cap.

BRZ-4 (Well Area)

South of Pleasant Bayou test well area. 0.25 kilometers South-Southwest of bench mark BRZ-3; 8 feet North of a lone twin 6 foot tallow tree; 337 feet West-Southwest of Houston Gas pipeline vent (first marker South of well site); 297 feet West of centerline of pipeline.

A stainless steel rod driven to refusal at a depth of 24' incased in a 6" pvc pipe with cap.

BRZ-5 (Well Area)

Southeast of well area. 0.40 kilometers East of bench mark BRZ-4; near a clump of undergrowth and tallow trees; 8 feet North of a 3 foot tallow tree; 45 feet North of a 10 inch twin tallow tree.

A stainless steel rod driven to refusal at a depth of 52' incased in a 6" pvc pipe with cap.

BRZ-6 (Well Area)

Near Pleasant Bayou test well. At the Southwest end of North-South airstrip; at intersection of gravel road to well area and air strip gravel road; 23 feet West of centerline of North-South dirt road; 52.5 feet West of North-South fence line; 46 feet South of centerline gravel road to well; 3.5 feet North of power pole #11900; 144 feet South-Southwest of centerline cattle ground.

A stainless steel rod driven to refusal at a depth of 56' incased in a 6" pvc pipe with cap.

BRZ-7 (Tie Line)

3/4 mile north of well area; with intersection of gravel road to well area with North-South gravel road along West side of airstrip; at Northwest end of airstrip; 68 feet Northwest of center of intersection; 24 feet West centerline of North-South road; 45.2 feet East of powerpole with transformer; 6 foot south of powerpole #11550.

BRZ-8 (Tie Line)

Along gravel road to well site; 1.45 kilometers of intersection of gravel road to well area Highway 2917, at cattle guard; 14.5 feet North of centerline of Southwest gravel road; 4 feet North of Northeast end cattle guard; 3.5 feet East of Northeast fence corner; 20.5 feet South-Southeast of fence corner.

A stainless steel rod driven to refusal at a depth of 40', top 3 feet incased in a 6" pvc pipe with cap.

BRZ-9 (Tie Line)

At intersection of gravel road to well with Highway 2917; 27 feet North centerline East-West gravel road; 39 feet Northwest of cattle guard; 34.5 feet West of West right-of-way of fence, Highway 2917; 95 feet West of centerline Highway 2917; 6.5 feet West-Southwest of powerpole.

A stainless steel rod driven to refusal with a depth of 52' top 3 feet incased in a 6" pvc pipe with cap.

BRZ-10 (Tie Line)

0.5 Mile West of the intersection of Nolen Road with Highway 2917; on Nolen Road at intersection with North-South country road #200; 41.5 feet East of centerline North-South road #200; 31.3 feet North of centerline East-West Nolen Road; 25 feet Northeast of stop sign; 61.5 feet North-Northeast of powerpole with stub; 40.5 feet Southeast of road #200 sign; 3.3 feet of East leg of "Flora & Son Sandpit" sign.

A stainless steel rod driven to refusal with a depth of 80' top 3 feet incased in a 6" pvc pipe with cap.

BRZ-11 (Tie Line)

1.5 feet West of the intersection of Nolen Road with Highway #2917; on Nolen Road at intersection with North-South dirt trail; 28.5 feet West-Southwest of fence corner; 37.5 feet North of centerline of East-West pavement; 39.5 feet West of centerline North-South trail; 93 feet Northwest of powerpole; 5.5 feet South of fence line.

A stainless steel rod driven to refusal at a depth of 40' top 3 feet incased in a 6" pvc pipe with cap.

BRZ-12 (Tie Line)

1.2 miles Northeast of Liverpool, Texas; of intersection of Northeast-Southwest paved road to Chocolate Bayou, Texas and Nolen Road; 33 feet North of centerline of Northeast-Southwest highway; 20 feet West of centerline of Nolen Road; 7 feet North of existing powerpole.

A stainless steel rod driven to refusal at a depth of 80' top 3 feet incased in a 6" pvc pipe with cap.

Summary Comparison - Old Minus New Elevations
Pleasant Bayou Geothermal Well Site

<u>NGS</u> <u>Line #</u>	<u>Bench</u> <u>Mark</u>	<u>1984 Adj.</u>	<u>1984 Obs.</u>	<u>New</u> <u>Adj. MM</u>	<u>Kilometers</u>
101	C-1209	5.861	5.861	0.00	0.00
105	B126 Reset	4.672	4.67203	+0.03	1.20
105	L11274	4.778	4.78423	+6.23	2.87
105	E752	5.263	5.27105	+8.05	4.39
105	E752	5.372	5.39310	+21.20	6.05
101	A-1208	8.438	8.44137	+3.37	17.21

NOTE: All Elevations shown in meters

Exhibit 3

NOAA FORM 76-187
(8-76)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

GEODETTIC LEVELING FIELD ABSTRACT

13Z L						SHEET 1		SHEETS OF 3			
TITLE BRAZORIA COUNTY GEOTHERMAL WELL											
DISTANCE UNITS: KM SM				O/F.E. UNITS: MT FT		Mu. Day	F B	DISTANCE Δ/Σ	O	-(B+F) Δ/Σ	B.F.E.
0001 FROM LIVERPOOL 1931											
TO LIVERPOOL 1931											5.77430
0002 FROM LIVERPOOL 1931				6/26		F	0.04	+0.09905	-10		-0.09900
TO LIVERPOOL RM 4				6/26		B	0.04	-0.09895			
							0.04		-10		5.67530
0003 FROM LIVERPOOL RM 4				6/26		F	0.29	+0.34230	-5		+0.34227
TO LIVERPOOL RM 2				6/27		B	0.29	-0.34225			
							0:33		-15		6.01757
0004 FROM LIVERPOOL RM 2				6/26		F	0.01	-0.15655	-5		-0.15657
TO C-1209 (HELD THIS SURVEY)				6/26		B	0.01	+0.15660			
							0.34		-20		5.861
0005 FROM C-1209				6/26		F	1.20	-1.18960	+125		-1.18897
TO BL 26 RESET				6/27		B	1.20	+1.18835			
							1.54		+105		4.67203
0006 FROM BL 26 RESET				6/26		F	1.67	+0.11030	+380		+0.11220
TO L-1274				6/27		B	1.66	-0.11410			
							3:20		+485		4.78423
0007 FROM L-1274				6/26		F	1.52	+0.48855	-345		+0.48682
TO E 752				6/27		B	1.52	-0.48510			
							4:72		+140		5.27105
0008 FROM E 752				6/26		F	1.66	+0.12205	+00		+0.12205
TO F 752							6.38	-0.12205			
									+140		5.39310
0009 FROM F 752				6/27		F	0.62	-4.47965	-35		-4.47982
TO BRZ-1						B	0.61	+4.48000			
							7.00		+105		0.91328
0010 FROM BRZ-1 (SPUR)				6/26		F	0.30	+1.27085	+75		+1.27122
TO BRZ-2				6/28		B	0.30	-1.27160			
							7.30		+180		2.18450

GEODETIC LEVELING FIELD ABSTRACT

132 L						SHEET 2		SHEETS OF 3			
TITLE											
BRAZORIA COUNTY GEOTHERMAL WELL											
DISTANCE UNITS: KM SM				O/F.E. UNITS: MT FT		Mu. / Day	F / B	DISTANCE Δ/Σ	O	-(B+F) Δ/Σ	O/F.E.
30° FROM BRZ-1 LOOP AROUND WELL				6/28			F	0.32	+3.02685		+3.02685
0011	TO BRZ-3							7.62			3.94013
30° FROM BRZ-3				6/28			F	0.25	+0.50725		+0.50725
0012	TO BRZ-4							7.87			4.44738
30° FROM BRZ-4				6/28			F	0.40	-0.35300		-0.35300
0013	TO BRZ-5							8.27			4.09438
30° FROM BRZ-5				6/28			F	0.32	+0.18850		+0.18850
0014	TO BRZ-6							8.59			4.28288
				6/28			F	0.65	-3.37020	-10	-3.37025
30° FROM BRZ-1				6/28			F	0.65	-3.36740	VOID	
0009	TO BRZ-1				6/28		B	0.65	+3.37030	VOID (0.91328)	✓
				6/28			B	0.65	+3.37030	+170	0.91263
								9.24			
30° FROM BRZ-6				6/28			F	1.06	+0.62430	+115	+0.62487
0015	TO BRZ-7				6/29		B	1.06	-0.62545		
								10.30		+285	4.90775
30° FROM BRZ-7				6/29			F	1.59	+0.31110	+60	+0.31140
0016	TO BRZ-8				6/29		B	1.61	-0.31170		
								11.90		+345	5.21915
30° FROM BRZ-8				6/29			F	1.45	-0.29850	+70	-0.29815
0017	TO BRZ-9				6/29		B	1.46	+0.29780		
								13.35		+415	4.92100
30° FROM BRZ-9				6/29			F	1.79	+0.78830	-30	+0.78815
0018	TO BRZ-10				6/30		B	1.80	-0.78800		
								15.15		+385	5.70915
30° FROM BRZ-10				6/29			F	1.62	+0.51885	+370	+0.52070
0019	TO BRZ-11				6/29		B	1.62	-0.52255		
								16.77		+755	6.22985

Exhibit 3

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

GEODETIC LEVELING FIELD ABSTRACT

SHEET

3

SHEETS

OF

3

TITLE

BRAZORIA COUNTY GEOTHERMAL WELL

DISTANCE UNITS: KM SM

O/F.E. UNITS: MT FT

No.
DayF
BDISTANCE
 Δ/Σ

D

-(B+F)
 Δ/Σ

O/F.E.

*30° FROM

BRZ-11

6/29

F

1.52

-1.26815

-70

-1.26850

6/30

B

1.52

+1.26885

0020

BRZ-12

18.29

+685

4.96135

TO

*30° FROM

BRZ-12

6/30

F

0.84

+3.47900

+205

+3.48002

0021

A-1208

6/29

B

0.84

-3.48105

TO

19.13

+890

8.44137

*30° FROM

A-1208

6/29

F

1.22

-2.67240

+130

-2.67175

0001

LIVERPOOL

6/30

B

1.21

+2.67110

TO

20.34

+1020

5.76962

*30° FROM

TO

*30° FROM

TO

*30° FROM

TO

*30° FROM

TO

*30° FROM

TO

*30° FROM

TO

*30° FROM

TO

19.07K Double Run

1.29K Single Run Loop

1.85 mile Double Run = 23.70 mile

0.80 mile Single Run = 0.80 mile

TOTAL PROJECT 24.50 mile

C-SHOT
6-26-84
840626.00

1.00 ***
154.20 ***
158.60 ***
141.83 ***
146.10 ***
733.33 ***
745.71 ***
12.375 ***

2.00 ***
138.59 ***
142.90 ***
126.27 ***
140.40 ***
717.77 ***
730.08 ***
12.315 ***

0.0241 ***

C-SHOT
6-28-84

1.00 ***
140.46 ***
144.80 ***
128.09 ***
132.40 ***
719.59 ***
731.95 ***
12.365 ***

2.00 ***
147.02 ***
151.90 ***
134.69 ***
148.30 ***
726.19 ***
738.51 ***
12.325 ***

0.0165 ***

C-SHOT
6-30-84

1.00 ***
139.81 ***
143.60 ***
127.41 ***
131.30 ***
718.92 ***
731.30 ***
12.390 ***

2.00 ***
143.41 ***
147.80 ***
131.06 ***
145.30 ***
722.56 ***
734.91 ***
12.350 ***

0.0138 ***

C-SHOT
6-27-84

1.00 ***
140.69 ***
144.60 ***
128.32 ***
132.20 ***
719.81 ***
732.20 ***
12.380 ***

2.00 ***
151.38 ***
155.80 ***
139.07 ***
153.20 ***
730.57 ***
742.89 ***
12.315 ***

0.0270 ***

C-SHOT
6-29-84

1.00 ***
143.86 ***
147.70 ***
131.48 ***
135.40 ***
722.97 ***
735.36 ***
12.385 ***

2.00 ***
143.82 ***
147.80 ***
131.48 ***
145.40 ***
722.98 ***
735.32 ***
12.340 ***

0.0164 ***

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>#4064</i>										PAGE <i>1</i> OF <i>1</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE																											
40		840626																																					
ST 4										ST 5																													
ROD NO. 1										ROD NO. 2																													
CODE										CODE																													
ST 6					ST 7					ST 8					ST 9					C																			
OBSERVER					TIME					LEVEL					CONST					C/F					UNITS					STAD					F				
Rilek					H. 07:00															F80					B														
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1				DESIGNATION																																	
DATA		FROM:				Liver Pool (1931)																																	
41		0001																																					
		ST 2				DESIGNATION																																	
		TO:				Liver pool RM*4																																	
		0002																																					
		ST 3				ST 4				ST 5				ST 6				ST 7				BLOCK																	
		TIME				TEMP				WIND				SUN				DATE																					
		07:00				80				3				28				40626																					
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL 0									
										+0.09905										0.04										02									
ST 0		ST 1				ST 2 - ST 3				ST 4				BLOCK																									
DATA		TIME				TEMP				WIND				SUN				OBS.				REC.																	
41		07:15				80				3				2				RH				RW																	
0 - WRITE ON TAPE - 4																																							
REMARKS																				REMARKS																			
Plugs were used @ monuments.																																							

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.									
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>1</i>									
ST 0		ST 1				ST 2		ST 3											
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE							
40																			
ST 4						ST 5													
ROD NO. 1						CODE						ROD NO. 2							
ST 6				ST 7		ST 8				ST 9		C							
OBSERVER				TIME		LEVEL CONST.				C/F		UNTS STAD							
										F		✓ 8							
0 - WRITE ON TAPE - 9										BLOCK									
ST 0		ST 1		DESIGNATION															
DATA		FROM:		<i>Liverpool R.M. # 4</i>															
41		0002																	
		ST 2		DESIGNATION															
		TO:		<i>Liverpool (1931)</i>															
		0001																	
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK							
		TIME		TEMP		WIND		SUN		DATE									
		0715		80		22		28		40627									
0 - WRITE ON TAPE - 7										f-CLEAR									
ELEV. DIFF.										RCL 7									
-0.09895										0.04202									
ST 0		ST 1		ST 2		ST 3		ST 4		BLOCK									
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.							
341		0730		80		22		28		R		H. R. W.							
0 - WRITE ON TAPE - 4																			
REMARKS							REMARKS												
Plugs were used @ monuments																			

LIVER POOL RM 4 1931

PLUGS

8406260700.
80.00
1.00 ***
1800010002. ***
140.43 ***
144.50 ***
90.05 ***
95.00 ***
651.54 ***
731.93 ***
-0.01 ***
-1.76 ***

2.00 ***
1800010002. ***
118.61 ***
124.20 ***
159.09 ***
165.60 ***
750.59 ***
710.11 ***
-0.01 ***
-3.60 ***

19.32 ***
22.92 ***
9.50 ***
9.91 ***
0.04 ***
0.0991 ***

16. ***

015.00
0715.00
80.00

LIVER POOL

LIVER POOL

00.00
1.00 ***
1800020001. ***
157.20 ***
163.50 ***
116.71 ***
122.40 ***
700.21 ***
748.70 ***
0.00 ***
1.22 ***

2.00 ***
1800020001. ***
90.05 ***
94.40 ***
140.43 ***
144.50 ***
731.93 ***
681.54 ***
0.01 ***
1.78 ***

21.30 ***
19.52 ***
-9.89 ***
-9.90 ***
0.04 ***
-0.0990 ***

16. ***

0730.00
80.00

LIVER POOL
1931
RM 4

LINE <i>Brazoria County</i>										TAPE NO.													
PROJ. NO. <i>#4064</i>										PAGE <i>1</i> OF <i>2</i>													
ST 0		ST 1		ST 2		ST 3																	
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE															
40																							
ST 4					ST 5																		
ROD NO. 1					CODE					ROD NO. 2					CODE								
ST 6			ST 7			ST 8			ST 9						C								
OBSERVER			TIME			LEVEL			CONST			C/F			UNTS								
															F								
0 - WRITE ON TAPE - 9										BLOCK													
ST 0		ST 1		DESIGNATION																			
DATA		FROM:		Liverpool R.M. #4																			
41		0002																					
		ST 2		DESIGNATION																			
		TO:		Liverpool - Rm #2																			
		0003																					
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK											
		TIME		TEMP		WIND		SUN		DATE													
		07:35		80		2		2		840626													
0 - WRITE ON TAPE - 7										f-CLEAR													
ELEV. DIFF.										RCL 7													
										KM. RCL. NO. RCL. 0													
										+0.34230 029 04													
ST 0		ST 1		ST 2		ST 3		ST 4		BLOCK													
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.											
41		08:15		80		2		2		RH		RW											
0 - WRITE ON TAPE - 4																							
REMARKS										REMARKS													

RM-4

8405260735.
 80.00
 1.00 ***
 1800020003. ***
 155.46 ***
 165.70 ***
 132.06 ***
 143.20 ***
 723.56 ***
 746.96 ***
 0.00 ***
 -1.80 ***
 2.00 ***
 1600020003. ***
 155.58 ***
 179.10 ***
 145.03 ***
 172.90 ***
 740.55 ***
 747.06 ***
 0.02 ***
 -2.46 ***
 3.00 ***
 1800020003. ***
 160.20 ***
 183.30 ***
 146.57 ***
 169.00 ***
 738.07 ***
 751.68 ***
 0.04 ***

160.65 ***
 176.90 ***
 169.95 ***
 186.30 ***
 761.45 ***
 752.13 ***
 0.06 ***
 -1.32 ***
 146.22 ***
 147.54 ***
 34.26 ***
 34.20 ***
 0.29 ***
 0.3423 ***
 16. ***
 0815.00
 80.00

RM-2

LINE <i>Brazoria County</i>										TAPE NO.											
PROJ. NO. <i>#4064</i>										PAGE <i>2</i> OF <i>2</i>											
ST 0		ST 1				ST 2		ST 3													
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE											
40																					
ST 4					ST 5																
ROD NO. 1					CODE					ROD NO. 2					CODE						
ST 6			ST 7			ST 8			ST 9						C						
OBSERVER			TIME			LEVEL			CONST			C/F			UNITS						
												F			B						
0 - WRITE ON TAPE - 9										BLOCK											
ST 0		ST 1		DESIGNATION																	
DATA		FROM:		<i>Liverpool Rm#2</i>																	
41		0003																			
		ST 2		DESIGNATION																	
		TO:		<i>Liverpool Rm#4</i>																	
		0002																			
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK									
		TIME		TEMP		WIND		SUN		DATE											
		1420		90		23		38		40627											
0 - WRITE ON TAPE - 7										f-CLEAR ST SIGN 9											
ELEV. DIFF.										RCL 7											
										KM. RCL. NO. RCL. 0											
										-0.34225 0.29 04											
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK													
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.									
41		1445		90		23		38		RH		RW									
0 - WRITE ON TAPE - 4																					
REMARKS										REMARKS											

RM-2

3406271420.	
90.00	
1.00	***
1800030002.	***
158.93	***
180.00	***
139.98	***
161.10	***
731.40	***
750.44	***
-0.01	***
-0.26	***
2.00	***
1800030002.	***
137.10	***
159.80	***
166.02	***
189.00	***
757.51	***
728.58	***
0.00	***
-0.82	***
3.00	***
1800030002.	***
156.37	***
179.60	***
141.70	***
165.00	***
733.21	***
747.05	***
0.00	***
-0.56	***

1800030002.	***
138.15	***
135.60	***
169.14	***
174.70	***
760.64	***
721.65	***
0.03	***
-1.18	***
144.90	***
146.08	***
-34.21	***
-34.24	***
0.29	***
-0.3423	***
16.	***

1445.00
90.00

RM-4

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>3</i>																													
ST 0		ST 1		ST 2		ST 3																																	
DATA		YR. MO. DY		ZONE		INST. NO.		CODE																															
* 4 0 *																																							
ST 4						ST 5																																	
ROD NO. 1						CODE						ROD NO. 2						CODE																					
ST 6				ST 7				ST 8				ST 9				C																							
OBSERVER				TIME				LEVEL CONST				C/F				UNITS				STAD				F															
												F								B																			
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		<i>Liverpool RM# 2</i>																																			
* 4 1 *		0 0 0 3																																					
		ST 2		DESIGNATION																																			
		TO:		<i>C-1209</i>																																			
		0 0 0 4																																					
ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																													
TIME		TEMP		WIND		SUN		DATE																															
0 8 1 5		8 0		2 2		2 8		4 0 6 2 6																															
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN. 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL 0									
- 0 0 1 5 6 5 5										0 0 1										0 2																			
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK																															
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																											
* 4 1 *		0 8 2 5		8 0		2 2		2		R. H.		R. W.																											
0 - WRITE ON TAPE - 4																																							
REMARKS																				REMARKS																			

LINE		Brazoria County										TAPE NO.		
PROJ. NO.		4064										PAGE 2 OF 3		
ST 0	ST 1	ST 2	ST 3											
DATA	YR. MO. DY.	ZONE	INST. NO.	CODE										
4	0													
ST 4		ST 5												
ROD NO. 1		CODE												
ROD NO. 2		CODE												
ST 6		ST 7		ST 8		ST 9				C				
OBSERVER		TIME		LEVEL CONST		C/F		UNITS		STAD				
						F				B				
0 - WRITE ON TAPE - 9												BLOCK	-	R
ST 0	ST 1	DESIGNATION												
DATA	FROM:	C-1209												
4	1	0	0	0	4									
ST 2		DESIGNATION												
TO:		Liver pool R.M. #2												
0		0		3										
ST 3		ST 4	ST 5	ST 6	ST 7	BLOCK								
TIME		TEMP	WIND	SUN	DATE									
0		8	2	5	8	0	2	2	8	4	0	6	2	6
0 - WRITE ON TAPE - 7												f-CLEAR	ST SIGN	9
ELEV. DIFF.		RCL 7		KM. RCL		NO. RCL		0						
+0		1		5		6		6		0		0		
ST 0		ST 1	ST 2	ST 3	ST 4	BLOCK								
DATA	TIME	TEMP	WIND	SUN	OBS.	REC.								
4	1	0	8	3	5	8	0	2	2	RH	RW			
0 - WRITE ON TAPE - 4														
REMARKS							REMARKS							

RM-2

8406250015.
 80.00
 1.00 ***
 1800030004. ***
 123.60 ***
 125.20 ***
 113.65 ***
 115.30 ***
 705.14 ***
 715.10 ***
 -0.01 ***
 -0.10 ***
 2.00 ***
 1630030004. ***
 101.43 ***
 103.10 ***
 127.04 ***
 129.20 ***
 718.54 ***
 692.93 ***
 -0.01 ***
 -1.08 ***
 6.54 ***
 7.62 ***
 -15.66 ***
 -15.65 ***
 0.01 ***
 -0.1566 ***
 16. ***
 0825.00
 80.00

C-1209

C-1209

~~8406250015.~~
 80.00
 1.00 ***
 1800040003. ***
 125.27 ***
 127.20 ***
 93.66 ***
 101.10 ***
 691.16 ***
 716.77 ***
 0.00 ***
 0.98 ***
 2.00 ***
 1800040003. ***
 111.80 ***
 113.30 ***
 121.75 ***
 123.30 ***
 713.25 ***
 703.30 ***
 0.00 ***
 0.28 ***
 6.86 ***
 5.98 ***
 15.66 ***
 15.66 ***
 0.01 ***
 0.1566 ***
 16. ***
 0835.00
 80.00

RM-2

LINE <u>Brazoria County</u>										TAPE NO.									
PROJ. NO. <u>4064</u>										PAGE <u>1</u> OF <u>4</u>									
ST 0		ST 1				ST 2		ST 3											
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE									
4 0																			
ST 4										ST 5									
ROD NO. 1										ROD NO. 2									
ST 6					ST 7					ST 8					ST 9				
OBSERVER					TIME					LEVEL CONST					C/F UNITS STAD				
															F				
0 - WRITE ON TAPE - 9										BLOCK -									
ST 0		ST 1				DESIGNATION													
DATA		FROM:				C-1209													
4 1		0 0 0 4																	
		ST 2				DESIGNATION													
		TO:				BL-26													
		0 0 0 5																	
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK					
		TIME				TEMP		WIND		SUN		DATE		-					
		0 9 0 0				8 0		2 2		8 4		0 6 2 6							
0 - WRITE ON TAPE - 7										f-CLEAR ST SIGN 9									
ELEV. DIFF.										RCL 7									
- 1 1 8 9 6 0										1 2 0 1 4									
ST 0		ST 1				ST 2 - ST 3		ST 4		BLOCK									
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.		-			
4 1		1 0 3 0				8 3		2 3		R 4		R 4							
0 - WRITE ON TAPE - 4																			
REMARKS										REMARKS									

C-1209

6456260900.
82.00
1.00 ***
1800040005. ***
138.98 ***
161.20 ***
84.71 ***
106.50 ***
676.21 ***
730.45 ***
0.03 ***
0.66 ***
2.00 ***
1800040005. ***
116.70 ***
140.00 ***
128.76 ***
151.60 ***
730.27 ***
708.21 ***
0.03 ***
1.78 ***
3.00 ***
1800040005. ***
140.45 ***
163.20 ***
130.41 ***
153.70 ***
721.91 ***
731.94 ***
0.04 ***
0.70 ***
4.00 ***
1800040005. ***
131.83 ***
154.60 ***
144.22 ***
167.00 ***
735.71 ***
723.35 ***
0.01 ***
0.58 ***
5.00 ***
1800040005. ***
138.16 ***
162.00 ***
152.88 ***
176.10 ***
744.38 ***
729.66 ***
0.01 ***

155.97 ***
179.00 ***
747.45 ***
739.08 ***
-0.01 ***
2.70 ***
7.00 ***
1800040005. ***
149.53 ***
172.70 ***
150.75 ***
174.00 ***
742.25 ***
741.02 ***
0.00 ***
2.54 ***
8.00 ***
1800040005. ***
152.12 ***
175.40 ***
155.92 ***
178.50 ***
747.42 ***
743.63 ***
-0.01 ***
3.94 ***
9.00 ***
1800040005. ***
140.02 ***
163.50 ***
158.22 ***
182.40 ***
749.73 ***
731.53 ***
-0.01 ***
2.54 ***
10.00 ***
1800040005. ***
153.29 ***
176.40 ***
155.22 ***
179.10 ***
746.72 ***
744.78 ***
0.00 ***
1.00 ***
11.00 ***
1800040005. ***
130.19 ***
154.20 ***
154.35 ***
178.50 ***
745.04 ***

1000070005. ***
125.36 ***
148.90 ***
145.76 ***
163.10 ***
737.26 ***
716.86 ***
-0.01 ***
1.12 ***
13.00 ***
1800040005. ***
152.53 ***
168.20 ***
156.32 ***
172.70 ***
747.82 ***
744.05 ***
-0.03 ***
-0.30 ***
14.00 ***
1800040005. ***
152.52 ***
158.30 ***
214.75 ***
220.30 ***
306.25 ***
744.03 ***
-0.04 ***
0.16 ***
600.68 ***
600.52 ***
-118.98 ***
-118.94 ***
1.20 ***
-1.1896 ***
16. ***
1030.00
83.00

BL-26

LINE <i>Bmzoria County</i>										TAPE NO.																			
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>4</i>																			
ST 0		ST 1				ST 2		ST 3																					
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE																	
* 4 0 *																													
ST 4						ST 5																							
ROD NO. 1						CODE						ROD NO. 2																	
ST 6				ST 7				ST 8				ST 9				C													
OBSERVER				TIME				LEVEL CONST				C/F				UNITS													
												F				B													
0 - WRITE ON TAPE - 9										BLOCK																			
ST 0		ST 1		DESIGNATION																									
DATA		FROM:		BL-26																									
* 4 1 *		0 0 0 5																											
		ST 2		DESIGNATION																									
		TO:		C-1209																									
		0 0 0 4																											
ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																			
TIME		TEMP		WIND		SUN		DATE																					
1 3 1 5		9 0		2 3		8 4		0 6		2 7																			
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN. 9									
ELEV. DIFF.										RCL 7										KM. RCL									
										NO. RCL 0																			
7 1 0 1 8 8 3 5										1 2 0 1 4																			
ST 0		ST 1		ST 2		ST 3		ST 4		BLOCK																			
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																	
* 4 1 *		1 4 1 5		9 0		2 3		R H		R W																			
0 - WRITE ON TAPE - 4																													
REMARKS										REMARKS																			

BL-26

8-05271315.
 39.05
 1.80 ***
 1800050004. ***
 214.39 ***
 223.40 ***
 145.82 ***
 152.30 ***
 730.32 ***
 805.89 ***
 0.00 ***
 1.06 ***
 2.00 ***
 1800050004. ***
 145.01 ***
 161.30 ***
 156.89 ***
 172.50 ***
 748.36 ***
 736.51 ***
 -0.03 ***
 2.42 ***
 3.00 ***
 1800050004. ***
 152.56 ***
 175.80 ***
 124.33 ***
 148.30 ***
 715.83 ***
 744.05 ***
 -0.02 ***
 0.96 ***
 4.00 ***
 1800050004. ***
 158.88 ***
 182.30 ***
 147.19 ***
 171.50 ***
 738.58 ***
 750.34 ***
 0.01 ***
 -0.82 ***
 5.00 ***
 1800050004. ***
 173.91 ***
 196.80 ***
 166.34 ***
 189.80 ***
 757.83 ***
 765.41 ***
 0.00 ***

169.20 ***
 193.80 ***
 141.26 ***
 165.80 ***
 732.77 ***
 710.59 ***
 0.02 ***
 -1.84 ***
 7.00 ***
 1800050004. ***
 161.31 ***
 184.80 ***
 152.55 ***
 175.10 ***
 744.84 ***
 752.81 ***
 0.01 ***
 0.04 ***
 8.00 ***
 1800050004. ***
 145.06 ***
 168.80 ***
 156.66 ***
 179.90 ***
 748.15 ***
 736.55 ***
 0.01 ***
 1.04 ***
 9.00 ***
 1800050004. ***
 161.80 ***
 135.40 ***
 148.13 ***
 171.50 ***
 739.64 ***
 753.30 ***
 0.02 ***
 1.50 ***
 10.00 ***
 1800050004. ***
 155.69 ***
 179.20 ***
 137.98 ***
 161.00 ***
 729.47 ***
 747.18 ***
 0.02 ***

177.00 ***
 151.96 ***
 174.80 ***
 743.46 ***
 746.15 ***
 0.02 ***
 1.50 ***
 12.00 ***
 1800050004. ***
 156.11 ***
 179.40 ***
 177.42 ***
 200.70 ***
 768.91 ***
 747.59 ***
 0.03 ***
 1.52 ***
 13.00 ***
 1800050004. ***
 160.60 ***
 183.80 ***
 121.60 ***
 145.00 ***
 713.10 ***
 752.10 ***
 0.03 ***
 1.12 ***
 14.00 ***
 1800050004. ***
 79.62 ***
 102.10 ***
 140.20 ***
 162.50 ***
 731.70 ***
 670.50 ***
 0.05 ***
 2.58 ***
 603.82 ***
 601.14 ***
 118.96 ***
 118.81 ***
 1.20 ***
 1.1884 ***
 16. ***
 1415.00
 90.00

C-1209

LINE Brazoria County										TAPE NO.																																																	
PROJ. NO. 4064										PAGE 1 OF 5																																																	
ST 0		ST 1				ST 2		ST 3																																																			
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE																																																	
40																																																											
ST 4										ST 5																																																	
ROD NO. 1										CODE																																																	
ST 6					ST 7					ST 8					ST 9					C																																							
OBSERVER					TIME					LEVEL CONST					C/F					UNITS					STAD					F																													
															F										B																																		
0 - WRITE ON TAPE - 9															BLOCK															-															R														
ST 0		ST 1				DESIGNATION																																																					
DATA		FROM:				BL-26 (Reset)																																																					
41		0005																																																									
		ST. 2				DESIGNATION																																																					
		TO:				L-1274																																																					
		0006																																																									
ST 3		ST 4				ST 5				ST 6				ST 7				BLOCK																																									
TIME		TEMP				WIND				SUN				DATE																																													
1250		85				23				840626																																																	
0 - WRITE ON TAPE - 7															f-CLEAR															ST SIGN 9																													
ELEV. DIFF.															RCL 7															KM. RCL															NO. RCL. 0														
70															11030															167															20														
ST 0		ST 1				ST 2 - ST 3				ST 4				BLOCK																																													
DATA		TIME				TEMP				WIND				SUN				OBS. REC.																																									
41		1435				90				23				R.H. R.W.																																													
0 - WRITE ON TAPE - 4																																																											
REMARKS																														REMARKS																													

BL-26

8406261250.

85.00

1.00 ***

1800050006. ***

197.87 ***

213.00 ***

134.87 ***

150.20 ***

726.37 ***

789.37 ***

0.00 ***

-0.40 ***

2.00 ***

1800050006. ***

137.42 ***

161.00 ***

120.69 ***

143.60 ***

712.10 ***

720.32 ***

-0.01 ***

0.94 ***

3.00 ***

1800050006. ***

148.05 ***

171.30 ***

139.22 ***

162.60 ***

730.72 ***

739.54 ***

0.00 ***

0.68 ***

4.00 ***

1800050006. ***

150.45 ***

173.10 ***

158.95 ***

182.00 ***

750.45 ***

741.95 ***

0.00 ***

-0.12 ***

5.00 ***

1800050006. ***

147.93 ***

171.70 ***

121.95 ***

145.90 ***

713.45 ***

739.43 ***

A AA ***

1800050006. ***

115.20 ***

138.90 ***

138.35 ***

161.90 ***

729.85 ***

706.69 ***

0.01 ***

-0.18 ***

7.00 ***

1800050006. ***

145.15 ***

168.10 ***

162.58 ***

186.00 ***

754.08 ***

736.64 ***

0.02 ***

-1.12 ***

8.00 ***

1800050006. ***

158.85 ***

181.60 ***

155.72 ***

178.40 ***

747.22 ***

750.35 ***

0.02 ***

-0.98 ***

9.00 ***

1800050006. ***

144.45 ***

167.20 ***

143.05 ***

166.50 ***

734.55 ***

735.95 ***

0.02 ***

-2.38 ***

10.00 ***

1800050006. ***

160.73 ***

183.30 ***

153.20 ***

176.10 ***

744.70 ***

752.23 ***

0.02 ***

172.00 ***

159.06 ***

183.00 ***

750.56 ***

739.87 ***

0.03 ***

-3.28 ***

12.00 ***

1800050006. ***

149.08 ***

172.50 ***

163.11 ***

186.00 ***

754.61 ***

740.57 ***

0.04 ***

-2.22 ***

13.00 ***

1800050006. ***

165.95 ***

188.50 ***

168.38 ***

191.30 ***

759.88 ***

757.44 ***

0.05 ***

-2.96 ***

14.00 ***

1800050006. ***

171.27 ***

194.50 ***

152.39 ***

175.50 ***

743.89 ***

762.76 ***

0.06 ***

-2.72 ***

15.00 ***

1800050006. ***

141.20 ***

164.50 ***

154.35 ***

176.80 ***

745.87 ***

732.70 ***

0.08 ***

-1.02 ***

16.00 ***

1800050006. ***

165.85 ***

187.20 ***

166.57 ***

168.90 ***

164.14 ***
167.58 ***
154.44 ***
177.00 ***
745.94 ***
755.64 ***
0.10 ***
-1.38 ***

18.00 ***
1800050006. ***
153.92 ***
175.96 ***
173.12 ***
196.00 ***
764.63 ***
745.42 ***
0.11 ***
-3.18 ***

19.00 ***
1800050006. ***
161.23 ***
167.40 ***
151.04 ***
157.60 ***
742.54 ***
752.73 ***
0.11 ***
-3.96 ***

20.00 ***
1800050006. ***
148.47 ***
152.70 ***
133.26 ***
137.50 ***
784.76 ***
739.96 ***
0.12 ***
-3.98 ***

833.02 ***
837.60 ***
11.09 ***
10.97 ***
1.67 ***
0.1103 ***

16. ***

1435.00
90.00

L-1274

GEODETIC LEVELING

LINE <i>Bmoria County</i>										TAPE NO.																			
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>5</i>																			
ST 0		ST 1				ST 2		ST 3																					
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE																			
* 4 0 *																													
ST 4										ST 5																			
ROD NO. 1										CODE																			
ST 6					ST 7					ST 8					ST 9					C									
OBSERVER					TIME					LEVEL CONST					C/F					UNTS STAD					F				
																									✓ B				
0 - WRITE ON TAPE - 9															BLOCK										R				
ST 0		ST 1				DESIGNATION																							
DATA		FROM:																											
* 4 1 *		0 0 0 6				L - 1274																							
		ST 2				DESIGNATION																							
		TO:																											
		0 0 0 5				BL - 26 (Reset)																							
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK															
		TIME				TEMP		WIND		SUN		DATE																	
		1 1 0 5				9 0		2 3		8 4		0 6		2 7															
0 - WRITE ON TAPE - 7															f-CLEAR					ST SIGN					9				
ELEV. DIFF.															RCL 7					KM. RCL					NO. RCL 0				
															- 0 .					1 1 4 1 0					1 6 6 2 0				
ST 0		ST 1				ST 2		ST 3		ST 4		BLOCK																	
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.															
* 4 1 *		1 2 1 5				9 0		2 3		3		RH		RW															
0 - WRITE ON TAPE - 4																													
REMARKS															REMARKS														

L-1274

940527:105.
92.00
1.00 ***
1200060005. ***
192.22 ***
195.70 ***
141.73 ***
145.50 ***
733.23 ***
783.72 ***
0.00 ***
1.42 ***

2.00 ***
1800060005. ***
106.17 ***
112.20 ***
123.39 ***
129.40 ***
714.90 ***
637.68 ***
0.00 ***
1.46 ***

3.00 ***
1800060005. ***
172.55 ***
195.03 ***
163.89 ***
165.60 ***
755.37 ***
764.04 ***
-0.01 ***
2.54 ***

4.00 ***
1800060005. ***
159.42 ***
181.80 ***
151.71 ***
174.50 ***
743.22 ***
750.91 ***
0.01 ***
1.72 ***

5.00 ***
1800060005. ***
159.21 ***
182.80 ***
153.74 ***
177.40 ***
745.23 ***
750.67 ***
0.64 ***

145.55 ***
169.00 ***
154.77 ***
177.90 ***
746.29 ***
738.04 ***
0.07 ***
0.22 ***

7.00 ***
1800060005. ***
165.07 ***
188.60 ***
168.58 ***
192.10 ***
760.07 ***
756.53 ***
0.10 ***
0.24 ***

8.00 ***
1800060005. ***
155.05 ***
178.00 ***
158.73 ***
181.30 ***
758.23 ***
746.54 ***
0.11 ***
1.00 ***

9.00 ***
1800060005. ***
158.24 ***
181.80 ***
148.49 ***
171.70 ***
739.98 ***
749.75 ***
0.09 ***
1.70 ***

10.00 ***
1800060005. ***
174.76 ***
197.50 ***
155.63 ***
179.00 ***
747.12 ***
766.26 ***
0.08 ***

156.47 ***
168.60 ***
747.94 ***
739.28 ***
0.10 ***
-0.68 ***

12.00 ***
1800060005. ***
159.41 ***
183.40 ***
167.60 ***
191.60 ***
759.09 ***
750.87 ***
0.13 ***
-0.90 ***

13.00 ***
1800060005. ***
157.71 ***
180.40 ***
141.89 ***
165.50 ***
733.39 ***
749.20 ***
0.14 ***
-2.74 ***

14.00 ***
1800060005. ***
152.39 ***
176.30 ***
156.12 ***
179.50 ***
747.50 ***
743.88 ***
0.13 ***
-1.68 ***

15.00 ***
1800060005. ***
160.67 ***
183.90 ***
153.34 ***
176.90 ***
744.83 ***
752.16 ***
0.13 ***
-2.34 ***

16.00 ***
1800060005. ***
154.22 ***
177.40 ***
151.40 ***
174.30 ***

157.34 ***
188.50 ***
163.88 ***
196.48 ***
755.37 ***
748.81 ***
0.13 ***
-0.50 ***

18.00 ***
1800060005. ***
152.99 ***
175.50 ***
185.26 ***
208.60 ***
776.74 ***
744.49 ***
0.11 ***
-2.16 ***

19.00 ***
1800060005. ***
150.62 ***
173.90 ***
157.73 ***
180.30 ***
749.23 ***
742.11 ***
0.12 ***
-0.74 ***

25.00 ***
1800060005. ***
157.23 ***
169.58 ***
196.55 ***
209.70 ***
788.14 ***
749.72 ***
0.12 ***
-0.30 ***

831.78 ***
832.08 ***
-11.35 ***
-11.47 ***
1.66 ***
-0.1141 ***

16. ***

1215.00
92.00

~~6-12-74~~
BZ-26

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.											
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>6</i>											
ST 0		ST 1		ST 2		ST 3															
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE													
40																					
ST 4										ST 5											
ROD NO. 1					CODE					ROD NO. 2					CODE						
ST 6			ST 7			ST 8			ST 9						C						
OBSERVER			TIME			LEVEL CONST			C/F			UNITS			STAD						
									F						B						
O - WRITE ON TAPE - 9										BLOCK											
ST 0		ST 1		DESIGNATION																	
DATA		FROM:		L-1274																	
41		0006																			
		ST 2		DESIGNATION																	
		TO:		E-752																	
		0007																			
ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK											
TIME		TEMP		WIND		SUN		DATE													
1435		90		23		38		40626													
O - WRITE ON TAPE - 7										f-CLEAR											
ELEV. DIFF.										RCL 7											
+0.48855										1.5218											
ST 0		ST 1		ST 2		ST 3		ST 4		BLOCK											
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.									
41		1610		90		23		RH		RW											
O - WRITE ON TAPE - 4																					
REMARKS										REMARKS											

L-1274

8406261435.
 90.00
 1.00 ***
 1800060007. ***
 177.60 ***
 200.50 ***
 151.80 ***
 174.50 ***
 743.30 ***
 769.10 ***
 0.00 ***
 0.40 ***
 2.00 ***
 1800060007. ***
 148.52 ***
 171.00 ***
 164.85 ***
 187.00 ***
 756.35 ***
 740.02 ***
 0.00 ***
 1.06 ***
 3.00 ***
 1800060007. ***
 144.95 ***
 167.80 ***
 145.65 ***
 168.00 ***
 737.15 ***
 736.44 ***
 0.01 ***
 2.06 ***
 4.00 ***
 1800060007. ***
 142.04 ***
 165.00 ***
 173.65 ***
 196.70 ***
 765.15 ***
 733.54 ***
 0.01 ***
 1.98 ***
 5.00 ***
 1800060007. ***
 146.46 ***
 169.00 ***
 150.13 ***
 173.00 ***
 741.63 ***
 737.96 ***
 3.01 ***

167.00 ***
 150.36 ***
 172.50 ***
 741.87 ***
 736.75 ***
 0.02 ***
 0.44 ***
 7.00 ***
 1800060007. ***
 149.88 ***
 172.00 ***
 125.85 ***
 147.50 ***
 717.34 ***
 741.37 ***
 0.02 ***
 1.38 ***
 8.00 ***
 1800060007. ***
 155.20 ***
 177.80 ***
 146.75 ***
 169.10 ***
 738.26 ***
 746.69 ***
 0.04 ***
 1.88 ***
 9.00 ***
 1800060007. ***
 163.75 ***
 185.50 ***
 155.51 ***
 178.00 ***
 747.01 ***
 755.24 ***
 0.05 ***
 0.42 ***
 10.00 ***
 1800060007. ***
 158.17 ***
 181.10 ***
 157.18 ***
 179.50 ***
 748.68 ***
 749.67 ***

163.96 ***
 186.50 ***
 165.23 ***
 188.50 ***
 756.72 ***
 755.46 ***
 0.04 ***
 0.16 ***
 12.00 ***
 1800060007. ***
 188.90 ***
 211.00 ***
 188.04 ***
 210.50 ***
 779.54 ***
 780.40 ***
 0.04 ***
 -0.76 ***
 13.00 ***
 1800060007. ***
 176.90 ***
 198.00 ***
 153.44 ***
 175.40 ***
 744.94 ***
 768.41 ***
 0.03 ***
 -2.48 ***
 14.00 ***
 1800060007. ***
 160.92 ***
 190.40 ***
 160.82 ***
 182.10 ***
 752.32 ***
 760.42 ***
 0.03 ***
 -2.08 ***
 15.00 ***
 1800060007. ***
 156.14 ***
 170.50 ***
 149.03 ***
 171.30 ***
 740.52 ***
 747.63 ***
 0.03 ***
 -1.90 ***
 16.00 ***
 1800060007. ***
 159.96 ***
 181.50 ***
 150.96 ***
 172.50 ***

E-752

15000000.00

159.13

170.50

138.65

150.00

730.16

750.63

01.03

-1.86

18.00

15000000.00

145.44

157.40

174.40

188.30

150.50

150.50

01.03

-1.74

758.66

760.40

49.87

46.84

1.52

0.1886

16.

1610.00
50.00

GEODETIC LEVELING

LINE <i>Brazoria County</i> TAPE NO.												
PROJ. NO. <i>4064</i>					PAGE <i>2</i> OF <i>6</i>							
ST 0		ST 1		ST 2		ST 3						
DATA		YR. MO. DY		ZONE INST. NO.		CODE						
* 4 0												
ST 4					ST 5							
ROD NO. 1					CODE		ROD NO. 2		CODE			
ST 6			ST 7		ST 8		ST 9		C			
OBSERVER			TIME		LEVEL CONST		C/F UNITS		STAD F			
									✓ B			
0 - WRITE ON TAPE - 9					BLOCK				R			
ST 0		ST 1		DESIGNATION								
DATA		FROM:										
* 4 1		0 0 0 7		E - 752								
		ST 2		DESIGNATION								
		TO:										
		0 0 0 6		L - 1274								
		ST 3		ST 4		ST 5		ST 6		ST 7		
		TIME		TEMP		WIND		SUN		DATE		
		0 9 3 0		8 7		2 3		8 4		0 6 2 7		
0 - WRITE ON TAPE - 7					f - CLEAR		ST SIGN		9			
ELEV. DIFF.					RCL 7		KM. RCL		NO. RCL		0	
					- 0 . 4 8 5 1 0		1 5 2		1 8			
ST 0		ST 1		ST 2 - ST 3		ST 4				BLOCK		
DATA		TIME		TEMP		WIND		SUN		OBS. REC.		
* 4 1		1 1 3 5		8 8		2 3		R 4		R 4		
0 - WRITE ON TAPE - 4												
REMARKS												

E-752

8406270930.	
87.00	
1.00	***
1800070006.	***
173.55	***
185.50	***
147.01	***
159.40	***
738.51	***
765.05	***
0.00	***
-0.88	***
2.00	***
1800070006.	***
141.56	***
153.00	***
157.97	***
168.50	***
749.47	***
733.06	***
0.00	***
0.94	***
3.00	***
1800070006.	***
151.42	***
173.50	***
159.38	***
181.50	***
750.87	***
742.92	***
-0.01	***
0.86	***
4.00	***
1800070006.	***
148.62	***
170.50	***
162.22	***
184.30	***
753.72	***
740.10	***
0.01	***
0.46	***
5.00	***
1800070006.	***
162.36	***
184.10	***
176.51	***
198.20	***
768.01	***
753.86	***
0.01	***
0.55	***

187.20	***
186.40	***
173.05	***
195.00	***
764.54	***
755.56	***
0.04	***
1.26	***
7.00	***
1800070006.	***
187.75	***
206.80	***
174.63	***
194.00	***
766.13	***
779.25	***
0.04	***
0.62	***
8.00	***
1800070006.	***
144.23	***
169.00	***
150.48	***
174.80	***
741.98	***
735.72	***
0.05	***
1.52	***
9.00	***
1800070006.	***
149.06	***
172.40	***
155.99	***
178.40	***
747.49	***
740.54	***
0.07	***
3.38	***
10.00	***
1800070006.	***
150.08	***
173.90	***
151.50	***
175.50	***
743.01	***
741.58	***
0.08	***
3.22	***

162.96	***
186.10	***
754.45	***
725.92	***
0.08	***
1.68	***
12.00	***
1800070006.	***
134.88	***
157.20	***
144.51	***
167.60	***
736.01	***
726.38	***
0.08	***
0.14	***
13.00	***
1800070006.	***
144.25	***
167.50	***
147.88	***
171.10	***
739.38	***
735.74	***
0.09	***
0.20	***
14.00	***
1800070006.	***
156.13	***
172.20	***
139.37	***
162.40	***
730.87	***
747.62	***
0.10	***
-1.72	***
15.00	***
1800070006.	***
166.03	***
189.50	***
146.44	***
169.90	***
737.95	***
757.54	***
0.10	***
-1.70	***
16.00	***
1800070006.	***
153.15	***
174.80	***
148.83	***
171.20	***
740.22	***

153.80 ***
186.80 ***
145.05 ***
168.40 ***
735.55 ***
755.30 ***
0.12 ***
-3.84 ***

18.00 ***
1600070006. ***
151.61 ***
171.50 ***
181.68 ***
201.00 ***
773.18 ***
743.11 ***
0.12 ***
-2.70 ***

760.98 ***
763.68 ***
-48.45 ***
-48.57 ***
1.52 ***
-0.4851 ***

16. ***

L-1274

GEODETIC LEVELING

LINE <i>Bmoria County</i>										TAPE NO.									
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>7</i>									
ST 0		ST 1				ST 2		ST 3											
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE							
* 4 0 *																			
ST 4						ST 5													
ROD NO. 1						CODE						ROD NO. 2							
ST 6				ST 7				ST 8				ST 9							
OBSERVER				TIME				LEVEL CONST.				C/F UNITS							
												C/F							
												B							
0 - WRITE ON TAPE - 9										BLOCK									
ST 0		ST 1		DESIGNATION															
DATA		FROM:																	
* 4 1 *		0 0 0 7		E - 752															
		ST 2		DESIGNATION															
		TO:																	
		0 0 0 8		F - 752															
ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK									
TIME		TEMP		WIND		SUN		DATE											
1 6 2 0		9 0		2 2		3 8		4 0 6 2 6											
0 - WRITE ON TAPE - 7										f - CLEAR									
ELEV. OFF.										RCL 7									
										KM. RCL									
+ 0 . 1 2 2 0 5										1 6 6 1 8									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK											
DATA		TIME		TEMP		WIND		SUN		OBS. REC.									
* 4 1 *		1 8 3 0		8 5		2 2		R H		R W									
0 - WRITE ON TAPE - 4																			
REMARKS						REMARKS													

E-752

8406261628.
90.80

1.00 ***
1800070008. ***
153.90 ***
188.40 ***
154.32 ***
153.80 ***
755.62 ***
761.40 ***
0.00 ***
-1.96 ***

2.00 ***
1800070008. ***
157.74 ***
130.10 ***
154.35 ***
177.00 ***
745.86 ***
749.24 ***
0.01 ***
-2.54 ***

3.00 ***
1800070008. ***
155.24 ***
178.50 ***
129.34 ***
152.20 ***
720.85 ***
746.74 ***
0.02 ***
-1.74 ***

4.00 ***
1800070008. ***
114.21 ***
138.00 ***
177.75 ***
201.30 ***
769.26 ***
705.71 ***
0.03 ***
-1.26 ***

5.00 ***
1800070008. ***
169.79 ***
195.00 ***
147.59 ***
171.10 ***
739.03 ***
760.29 ***
0.02 ***

153.66 ***
176.90 ***
745.15 ***
723.68 ***
0.02 ***
1.28 ***

7.00 ***
1800070008. ***
159.05 ***
182.70 ***
153.30 ***
176.50 ***
744.80 ***
750.54 ***
0.03 ***
2.18 ***

6.00 ***
1800070008. ***
151.25 ***
174.20 ***
155.57 ***
178.00 ***
747.06 ***
742.75 ***
0.02 ***
3.22 ***

5.00 ***
1800070008. ***
162.30 ***
185.40 ***
159.39 ***
182.30 ***
750.89 ***
753.80 ***
0.02 ***
3.60 ***

10.00 ***
1800070008. ***
164.07 ***
197.90 ***
164.25 ***
188.20 ***
755.75 ***
753.58 ***
0.01 ***
3.36 ***

11.00 ***
1800070008. ***
155.48 ***
179.80 ***
155.13 ***
180.00 ***
745.27 ***

145.80 ***
159.70 ***
737.30 ***
754.35 ***
0.01 ***
0.75 ***

13.00 ***
1800070008. ***
178.49 ***
202.00 ***
164.27 ***
187.90 ***
755.77 ***
769.99 ***
0.01 ***
0.52 ***

14.00 ***
1800070008. ***
166.80 ***
190.40 ***
142.29 ***
166.70 ***
733.79 ***
758.30 ***
0.01 ***
-1.10 ***

15.00 ***
1800070008. ***
146.43 ***
170.60 ***
168.18 ***
192.50 ***
759.68 ***
737.93 ***
0.01 ***
-1.40 ***

16.00 ***
1800070008. ***
167.25 ***
198.80 ***
160.68 ***
183.50 ***
752.18 ***
758.75 ***
0.01 ***
0.06 ***

17.00 ***
1800070008. ***
149.59 ***
172.50 ***
149.25 ***
173.10 ***
743.75 ***

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163.00	***
144.50	***
164.10	***
736.00	***
731.70	***
0.01	***
-1.42	***
620.54	***
850.36	***
12.21	***
12.21	***
1.66	***
0.1221	***
16.	***

1830.00
85.00

F-752

LINE		Brazoria County										TAPE NO.			
PROJ. NO.		4064										PAGE 2 OF 7			
ST 0	ST 1	ST 2	ST 3												
DATA	YR. MO. DY.	ZONE	INST. NO.	CODE											
40															
ST 4			ST 5												
ROD NO. 1			CODE			ROD NO. 2			CODE						
ST 6	ST 7	ST 8	ST 9												
OBSERVER	TIME	LEVEL	CONST	C/F	UNITS	STAD	C								
				F				V8							
0 - WRITE ON TAPE - 9										BLOCK		-		R	
ST 0	ST 1	DESIGNATION													
DATA	FROM:	F-752													
41	0008														
ST 2		DESIGNATION													
TO:		E-752													
0007															
ST 3	ST 4	ST 5	ST 6	ST 7	BLOCK										
TIME	TEMP	WIND	SUN	DATE											
0800	85	2	2	840627											
0 - WRITE ON TAPE - 7										f-CLEAR		ST SIGN 9			
ELEV. DIFF.		RCL 7		KM. RCL		NO. RCL		0							
-0.12205		1165		18											
ST 0	ST 1	ST 2	ST 3	ST 4	BLOCK										
DATA	TIME	TEMP	WIND	SUN	OBS.	REC.									
41	0930	87	2	2	RH	RW									
0 - WRITE ON TAPE - 4															
REMARKS							REMARKS								

-F-752

8406270800.

85.00

1.00 ***

1800080007. ***

139.30 ***

158.70 ***

138.30 ***

158.30 ***

729.80 ***

730.80 ***

0.00 ***

-1.20 ***

2.00 ***

1800080007. ***

151.12 ***

174.60 ***

158.82 ***

182.00 ***

750.32 ***

742.62 ***

0.00 ***

-0.60 ***

3.00 ***

1800080007. ***

173.71 ***

196.80 ***

164.14 ***

187.50 ***

755.63 ***

765.21 ***

-0.01 ***

-1.14 ***

4.00 ***

1800080007. ***

168.65 ***

192.60 ***

169.49 ***

193.60 ***

760.99 ***

760.15 ***

-0.01 ***

-1.46 ***

5.00 ***

1800080007. ***

160.19 ***

184.70 ***

169.01 ***

193.50 ***

760.51 ***

751.69 ***

0.01 ***

180.55 ***

204.80 ***

772.05 ***

754.21 ***

-0.01 ***

-2.34 ***

7.00 ***

1800080007. ***

155.63 ***

180.50 ***

147.20 ***

171.90 ***

738.71 ***

747.13 ***

0.00 ***

-2.00 ***

8.00 ***

1800080007. ***

130.55 ***

154.90 ***

143.47 ***

168.00 ***

734.97 ***

722.05 ***

0.00 ***

-2.36 ***

9.00 ***

1800080007. ***

154.28 ***

179.00 ***

149.36 ***

173.80 ***

740.86 ***

745.76 ***

0.02 ***

-1.80 ***

10.00 ***

1800080007. ***

149.82 ***

173.70 ***

165.67 ***

189.00 ***

757.17 ***

741.30 ***

0.04 ***

-0.70 ***

11.00 ***

1800080007. ***

160.14 ***

185.00 ***

157.77 ***

181.70 ***

153.85 ***

178.00 ***

745.35 ***

748.35 ***

0.03 ***

1.16 ***

13.00 ***

1800080007. ***

160.69 ***

185.00 ***

135.59 ***

160.10 ***

727.08 ***

752.19 ***

0.02 ***

0.76 ***

14.00 ***

1800080007. ***

138.45 ***

162.70 ***

149.13 ***

174.00 ***

740.64 ***

729.95 ***

0.03 ***

-0.48 ***

15.00 ***

1800080007. ***

179.89 ***

203.60 ***

152.74 ***

177.00 ***

744.23 ***

771.39 ***

0.02 ***

-1.58 ***

16.00 ***

1800080007. ***

146.88 ***

171.60 ***

151.65 ***

175.60 ***

743.15 ***

738.38 ***

0.02 ***

-0.04 ***

17.00 ***

1800080007. ***

153.45 ***

171.20 ***

162.91 ***

120.00 ***

1800080007.

169.54 ***
182.20 ***
173.39 ***
187.00 ***
764.89 ***
760.04 ***
0.03 ***
1.38 ***

826.90 ***
825.52 ***
-12.19 ***
-12.22 ***
1.65 ***
-0.1221 ***

16. ***

0930.00
87.00

E-752

LINE		Brazoria County										TAPE NO.	
PROJ. NO.		4064										PAGE 1 OF 8	
ST 0	ST 1	ST 2		ST 3									
DATA	YR. MO. DY.	ZONE		INST. NO.		CODE							
4	0												
ST 4		ST 5											
ROD NO. 1		CODE		ROD NO. 2		CODE							
ST 6	ST 7	ST 8		ST 9						C			
OBSERVER	TIME	LEVEL		CONST		C/F		UNITS		STAD			
0 - WRITE ON TAPE - 9										BLOCK			
ST 0	ST 1	DESIGNATION											
DATA	FROM:	F-752											
4	1	0	0	0	8								
	ST 2	DESIGNATION											
	TO:	BRZ-1											
	0	0	0	9									
ST 3	ST 4	ST 5	ST 6	ST 7			BLOCK						
TIME	TEMP	WIND	SUN	DATE									
1	5	4	5	9	0	2	3	8	4	0	6		
0 - WRITE ON TAPE - 7										f-CLEAR		ST SIGN	
ELEV. DIFF.										RCL 7		KM. RCL	
-4										4		7	
9										6		5	
0										6		2	
1										0			
ST 0	ST 1	ST 2 - ST 3		ST 4				BLOCK					
DATA	TIME	TEMP		WIND		SUN		OBS.		REC.			
3	4	1	7	0	0	8	5	2	2	R#	R#		
0 - WRITE ON TAPE - 4													
REMARKS						REMARKS							

F-752

8406271545.	
90.00	***
1.00	***
1000000009.	***
133.17	***
139.80	***
145.17	***
151.40	***
735.67	***
724.67	***
0.00	***
0.00	***
2.00	***
1000000009.	***
134.58	***
145.70	***
165.14	***
177.00	***
756.64	***
726.18	***
0.00	***
-0.88	***
3.00	***
1000000009.	***
115.50	***
137.80	***
137.91	***
160.20	***
729.41	***
707.00	***
0.00	***
-0.86	***
4.00	***
1000000009.	***
159.47	***
183.50	***
161.86	***
184.50	***
753.36	***
750.26	***
0.01	***
-0.82	***
5.00	***
1000000009.	***
124.01	***
149.00	***
139.01	***
162.50	***
730.51	***
715.51	***
0.01	***

1000000009.	***
149.83	***
161.60	***
168.78	***
180.50	***
760.28	***
741.32	***
0.02	***
1.02	***
7.00	***
1000000009.	***
112.30	***
115.00	***
215.77	***
223.40	***
607.27	***
703.88	***
0.02	***
1.00	***
8.00	***
1000000009.	***
14.30	***
23.60	***
204.75	***
213.20	***
796.25	***
605.70	***
0.04	***
2.70	***
9.00	***
1000000009.	***
163.45	***
189.00	***
189.37	***
214.20	***
780.86	***
754.95	***
0.03	***
2.14	***
10.00	***
1000000009.	***
220.01	***
241.30	***
252.99	***
260.50	***
844.49	***
817.51	***
0.03	***
1.00	***

307.30	***
-447.95	***
-447.98	***
0.62	***
-4.4797	***
16.	***
1700.00	
85.00	

BRZ-1

LINE <i>Brazoria County</i>										TAPE NO.																																																																															
PROJ. NO. <i>4014</i>										PAGE <i>2</i> OF <i>8</i>																																																																															
ST 0		ST 1				ST 2		ST 3																																																																																	
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE																																																																													
* 4 0 *																																																																																									
ST 4										ST 5																																																																															
ROD NO. 1										ROD NO. 2																																																																															
CODE										CODE																																																																															
ST 6					ST 7					ST 8					ST 9					C																																																																					
OBSERVER					TIME					LEVEL					CONST					C/F					UNTS					STAD					F																																																						
																				F										B																																																											
0 - WRITE ON TAPE - 9															BLOCK															-															R																																												
ST 0					ST 1					DESIGNATION																																																																															
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					1 7 0 0					8 5					2 2					2 8					4 0					6 2					7																																																						
0 - WRITE ON TAPE - 7															f-CLEAR															ST ^{CHD} SIGN 9																																																											
ELEV. DIFF.															RCL 7															KM. RCL															NO. RCL															0																													
															+ 4 . 4 8															0 0 0															0 6 1															1 0																													
ST 0					ST 1					ST 2					ST 3					ST 4					BLOCK																																																																
DATA					TIME					TEMP					WIND					SUN					OBS.					REC.					-																																																						
* 4 1 *					1 8 1 5					8 5					2 2					2					R #					R W																																																											
0 - WRITE ON TAPE - 4																																																																																									
REMARKS															REMARKS																																																																										

BRZ-1

5-00000000. ***
 85.00 ***
 1.00 ***
 00000000. ***
 151.95 ***
 257.50 ***
 217.28 ***
 240.00 ***
 816.48 ***
 843.45 ***
 0.00 ***
 1.06 ***
 2.00 ***
 1800090000. ***
 187.40 ***
 212.00 ***
 161.52 ***
 186.20 ***
 753.02 ***
 728.90 ***
 0.00 ***
 0.99 ***
 3.00 ***
 1800090000. ***
 102.45 ***
 211.50 ***
 11.97 ***
 20.00 ***
 603.47 ***
 795.95 ***
 0.00 ***
 1.74 ***
 4.00 ***
 1800090000. ***
 216.62 ***
 223.50 ***
 113.22 ***
 120.00 ***
 704.72 ***
 808.12 ***
 0.00 ***
 1.94 ***
 5.00 ***
 1800090000. ***
 156.14 ***
 178.50 ***
 147.20 ***
 159.75 ***
 718.70 ***
 757.64 ***
 0.00 ***
 0.00 ***

137.93 ***
 150.50 ***
 122.26 ***
 145.00 ***
 119.36 ***
 11.45 ***
 0.00 ***
 0.52 ***
 7.00 ***
 1800090000. ***
 164.33 ***
 187.50 ***
 161.96 ***
 184.50 ***
 753.46 ***
 755.83 ***
 0.00 ***
 1.78 ***
 8.00 ***
 1800090000. ***
 137.35 ***
 160.20 ***
 114.90 ***
 136.80 ***
 706.40 ***
 728.85 ***
 0.00 ***
 3.68 ***
 9.00 ***
 1800090000. ***
 157.46 ***
 169.00 ***
 127.01 ***
 138.60 ***
 718.51 ***
 748.96 ***
 0.00 ***
 3.58 ***
 10.00 ***
 1800090000. ***
 143.70 ***
 149.50 ***
 131.71 ***
 137.80 ***
 723.21 ***
 735.20 ***
 0.00 ***
 0.00 ***

309.74 ***
 305.74 ***
 448.00 ***
 448.00 ***
 0.61 ***
 4.4800 ***
 16. ***

1815.0000
 85.0000

F-752

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>9</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE																													
40																																							
ST 4										ST 5																													
ROD NO. 1										ROD NO. 2																													
ST 6					ST 7					ST 8					ST 9					C																			
OBSERVER					TIME					LEVEL CONST					C/F					UNITS					STAD					F									
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1				DESIGNATION																																	
DATA		FROM:				<i>BRZ-1</i>																																	
41		0009																																					
		ST 2				DESIGNATION																																	
		TO:				<i>BRZ-2</i>																																	
		0010																																					
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK																									
		TIME				TEMP		WIND		SUN		DATE																											
		1130				88		23		84		0628																											
0 - WRITE ON TAPE - 7										f-CLEAR										ST ^{CHD} SIGN 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL. 0									
										+1.27085										0.30										06									
ST 0		ST 1				ST 2		ST 3		ST 4		BLOCK																											
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.																									
41		1230				88		23		RH		RW																											
0 - WRITE ON TAPE - 4																																							
REMARKS																				REMARKS																			

BRZ-1

8406201130.
88.00
1.00 ***
1800090010. ***
182.25 ***
188.60 ***
117.94 ***
123.50 ***
709.45 ***
773.75 ***
0.01 ***
1.58 ***
2.00 ***
1800090010. ***
155.22 ***
174.90 ***
205.16 ***
224.80 ***
796.66 ***
746.72 ***
0.01 ***
1.66 ***
3.00 ***
1800090010. ***
233.47 ***
254.80 ***
108.55 ***
130.50 ***
700.05 ***
824.97 ***
0.01 ***
0.42 ***
4.00 ***
1800090010. ***
172.75 ***
195.40 ***
114.50 ***
137.20 ***
706.00 ***
764.25 ***
0.01 ***
0.32 ***
5.00 ***
1800090010. ***
158.39 ***
162.00 ***
157.42 ***
161.00 ***
748.92 ***
45.55 ***
5.00 ***
0.55 ***

1800090010. ***
108.23 ***
109.40 ***
179.66 ***
180.70 ***
771.16 ***
699.74 ***
-0.01 ***
0.64 ***
149.58 ***
148.94 ***
127.08 ***
127.09 ***
0.30 ***
1.2709 ***
16. ***
1230.00
88.00

BRZ-2

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>9</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE																													
* 4 0 *																																							
ST 4						ST 5																																	
ROD NO. 1						CODE						ROD NO. 2						CODE																					
ST 6				ST 7				ST 8				ST 9				C																							
OBSERVER				TIME				LEVEL				CONST				C/F UNITS				STAD				F															
																F				B																			
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		<i>BRZ-2</i>																																			
* 4 1 *		0 0 1 0																																					
		ST 2		DESIGNATION																																			
		TO:		<i>BRZ-2</i>																																			
		0 0 0 9																																					
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																											
		TIME		TEMP		WIND		SUN		DATE																													
		1 2 3 0		8 8		2 3		8 4		0 6 2 8																													
0 - WRITE ON TAPE - 7										f-CLEAR										ST ^{CHG} SIGN 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL 0									
										- 1 2 7 1 6 0										0 3 0										0 6									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK																															
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																											
* 4 1 *		1 3 1 0		8 8		2 3		R.H.		R.W.																													
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													

BRZ-2

8406281230.

88.00

1.00 ***

1800100009. ***

183.14 ***

184.50 ***

111.72 ***

112.60 ***

703.22 ***

774.65 ***

-0.01 ***

0.96 ***

2.00 ***

1800100009. ***

151.20 ***

154.80 ***

155.72 ***

159.00 ***

747.22 ***

742.69 ***

0.00 ***

1.60 ***

3.00 ***

1800100009. ***

117.59 ***

139.00 ***

178.53 ***

200.20 ***

770.02 ***

709.08 ***

0.00 ***

1.08 ***

4.00 ***

1800100009. ***

124.28 ***

147.50 ***

231.26 ***

254.70 ***

822.76 ***

715.76 ***

0.02 ***

0.64 ***

5.00 ***

1800100009. ***

196.76 ***

215.50 ***

161.59 ***

181.20 ***

753.08 ***

768.26 ***

0.01 ***

1.10 ***

1800100009. ***

131.13 ***

137.90 ***

192.43 ***

198.30 ***

783.94 ***

722.63 ***

0.02 ***

0.70 ***

150.20 ***

149.50 ***

-127.15 ***

-127.17 ***

0.30 ***

-1.2716 ***

16. ***

1310.00

88.00

BRZ-1

LINE <i>Brazoria County</i>										TAPE NO.									
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>10</i>									
ST 0		ST 1				ST 2		ST 3											
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE							
* 4 0 *																			
ST 4						ST 5													
ROD NO. 1						CODE						ROD NO. 2							
ST 6				ST 7				ST 8				ST 9							
OBSERVER				TIME				LEVEL CONST				C/F UNITS STD							
												C/F							
												B							
0 - WRITE ON TAPE - 9										BLOCK									
ST 0		ST 1				DESIGNATION													
DATA		FROM:																	
* 4 1 *		0 0 0 9				BRZ-1													
		ST 2				DESIGNATION													
		TO:																	
		0 0 1 1				BRZ-3													
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK					
		TIME				TEMP		WIND		SUN		DATE							
		0 9 0 0				8 5		2 2		2 8		4 0 6 2 8							
0 - WRITE ON TAPE - 7										f-CLEAR									
ELEV. OFF.										RCL 7									
										KM. RCL									
										NO. RCL 0									
										+ 3 0 2 6 8 5									
										0 3 2 0 4									
ST 0		ST 1				ST 2 - ST 3		ST 4				BLOCK							
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.					
* 4 1 *		0 9 3 0				8 5		2 2		R H		R W							
0 - WRITE ON TAPE - 4																			
REMARKS										REMARKS									

BRZ-1

64005280000.	
55.00	
1.00	***
1200050011.	***
254.10	***
277.50	***
115.57	***
138.00	***
707.07	***
845.60	***
0.00	***
1.94	***
2.00	***
1800050011.	***
143.50	***
157.60	***
15.37	***
33.70	***
505.87	***
735.00	***
0.00	***
1.48	***
3.00	***
1800050011.	***
175.79	***
163.70	***
132.04	***
140.50	***
723.54	***
757.27	***

125.37	***
151.00	***
134.09	***
158.50	***
723.59	***
717.87	***
0.03	***
0.80	***
160.00	***
159.26	***
302.70	***
302.67	***
0.32	***
3.0269	***
16.	***

0930.00
65.00

BRZ-3

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>11</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE																											
40																																							
ST 4								ST 5																															
ROD NO. 1								CODE				ROD NO. 2				CODE																							
ST 6				ST 7				ST 8				ST 9				C																							
OBSERVER				TIME				LEVEL				CONST				C/F UNITS				STAD																			
																F				B																			
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		<i>BRZ-3</i>																																			
41		0011																																					
		ST 2		DESIGNATION																																			
		TO:		<i>BRZ-4</i>																																			
		0012																																					
ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																													
TIME		TEMP		WIND		SUN		DATE		-																													
0930		85		22		28		40628																															
0 - WRITE ON TAPE - 7										f-CLEAR										ST ^{CHD} SIGN 9																			
ELEV. OFF.										RCL 7										KM. RCL										NO. RCL 0									
+0.50725										0.25										004																			
ST 0		ST 1		ST 2		ST 3		ST 4		BLOCK																													
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.		-																									
41		1000		85		22		2		R.H.		R.W.																											
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													

BRZ-4

1000.00
85.00
16. ***
0.5072 ***
0.25 ***
50.70 ***
50.75 ***
126.24 ***
125.54 ***
-0.70 ***
0.05 ***
745.55 ***
754.01 ***
168.10 ***
162.51 ***
160.00 ***
154.00 ***

85.00
S400200530
1.00 ***
1800110012. ***
170.44 ***
154.50 ***
145.67 ***
170.60 ***
737.17 ***
761.54 ***
0.00 ***
-1.74 ***
2.00 ***
1800110012. ***
175.02 ***
159.50 ***
137.55 ***
161.50 ***
729.05 ***
766.52 ***
0.00 ***
-0.68 ***
3.00 ***
1800110012. ***
135.79 ***
144.10 ***
138.85 ***
147.50 ***
730.35 ***
727.27 ***
0.02 ***

BRZ-3

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.									
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>12</i>									
ST 0		ST 1				ST 2		ST 3											
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE							
* 4 0 *																			
ST 4								ST 5											
ROD NO. 1				CODE				ROD NO. 2				CODE							
ST 6				ST 7				ST 8				ST 9							
OBSERVER				TIME				LEVEL CONST				C/F UNITS STAD							
												C/F							
												B							
0 - WRITE ON TAPE - 9										BLOCK - R									
ST 0		ST 1		DESIGNATION															
DATA		FROM:																	
* 4 1 *		0 0 1 2		BRZ - 4															
		ST 2		DESIGNATION															
		TO:																	
		0 0 1 3		BRZ - 5															
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK							
		TIME		TEMP		WIND		SUN		DATE									
		1 0 0 0		8 5		2 2		2 2		9 4 0 6 2 8									
0 - WRITE ON TAPE - 7										f - CLEAR ST SIGN 9									
ELEV. DIFF.										RCL 7 KM. RCL NO. RCL 0									
- 0 3 5 3 0 0										0 4 0 0 6									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK											
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.							
* 4 1 *		1 0 3 0		8 5		2 2		2 2		RH		RW							
0 - WRITE ON TAPE - 4																			
REMARKS										REMARKS									

BRZ-4

8406281000.
 85.00
 1.00 ***
 1800120013. ***
 177.99 ***
 201.00 ***
 137.99 ***
 160.40 ***
 729.49 ***
 769.49 ***
 0.00 ***
 1.20 ***
 2.00 ***
 1800120013. ***
 138.13 ***
 162.00 ***
 157.82 ***
 181.20 ***
 749.32 ***
 729.63 ***
 0.00 ***
 2.18 ***
 3.00 ***
 1800120013. ***
 128.40 ***
 151.80 ***
 157.72 ***
 181.20 ***
 749.22 ***
 719.90 ***
 0.00 ***
 2.02 ***
 4.00 ***
 1800120013. ***
 133.95 ***
 156.80 ***
 148.10 ***
 171.50 ***
 739.60 ***
 725.45 ***
 0.00 ***
 6.92 ***
 5.00 ***
 1800120013. ***
 142.19 ***
 146.60 ***
 146.42 ***
 150.50 ***
 737.92 ***
 733.67 ***

1800120013. ***
 151.72 ***
 154.00 ***
 159.61 ***
 162.00 ***
 751.11 ***
 743.21 ***
 0.02 ***
 1.38 ***
 199.66 ***
 198.28 ***
 -35.29 ***
 -35.31 ***
 0.40 ***
 -0.3530 ***
 16. ***
 1030.00
 85.00

BRZ-5

GEODETIC LEVELING

LINE <i>Bmzoria County</i>										TAPE NO.									
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>13</i>									
ST 0		ST 1				ST 2		ST 3											
DATA		YR. MO. DY				ZONE		INST. NO.				CODE							
* 4 0 *																			
ST 4										ST 5									
ROD NO. 1										ROD NO. 2									
CODE										CODE									
ST 6				ST 7				ST 8				ST 9				C			
OBSERVER				TIME				LEVEL CONST				C/F				UNITS STADIA			
												F				B			
O - WRITE ON TAPE - 9										BLOCK									
ST 0		ST 1				DESIGNATION													
DATA		FROM:				BRZ-5													
* 4 1 *		0 0 1 3																	
		ST 2				DESIGNATION													
		TO:				BRZ-6													
		0 0 1 4																	
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK					
		TIME				TEMP		WIND		SUN		DATE							
		1 10 30				8 5		2 2		2 2		8 4 0 6 2 8							
O - WRITE ON TAPE - 7										f-CLEAR									
										ST SIGN 9									
ELEV. DIFF.										RCL 7									
										KM. RCL - NO. RCL 0									
										+ 0 . 1 8 8 5 0 0 . 3 2 0 4									
ST 0		ST 1				ST 2 - ST 3		ST 4				BLOCK							
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.					
* 4 1 *		1 10 50				8 5		2 2		2 2		RH		RH					
O - WRITE ON TAPE - 4																			
REMARKS										REMARKS									

BRZ-5

8406291030.	
85.00	
1.00	***
1800130014.	***
195.55	***
208.50	***
115.96	***
138.50	***
707.46	***
777.05	***
0.00	***
1.62	***
2.00	***
1800130014.	***
130.57	***
154.26	***
161.69	***
184.60	***
753.19	***
722.07	***
0.00	***
3.06	***
3.00	***
1800130014.	***
139.40	***
161.50	***
152.33	***
175.10	***
743.93	***
729.50	***
0.00	***

1000130014.	
141.59	***
151.20	***
147.24	***
157.50	***
738.74	***
733.10	***
-0.01	***
2.42	***
159.38	***
156.96	***
18.89	***
18.90	***
0.32	***
0.1890	***
16.	***
1050.00	
85.00	

BRZ-6

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>40124</i>										PAGE <i>1</i> OF <i>14</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE																													
4 0																																							
ST 4										ST 5																													
ROD NO. 1										ROD NO. 2																													
CODE										CODE																													
ST 6					ST 7					ST 8					ST 9					C																			
OBSERVER					TIME					LEVEL CONST					C/F					UNITS					STAD					F									
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1				DESIGNATION																																	
DATA		FROM:																																					
4 1		0 0 1 4				BRZ-6																																	
		ST 2				DESIGNATION																																	
		TO:																																					
		0 0 0 9				BRZ-1																																	
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK																									
		TIME				TEMP		WIND		SUN		DATE																											
		1 6 0 5				8 5		2 2		2 8		4 0 6 2 8																											
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL 0									
										- 3 3 7 0 2 0										0 6 5 0 8																			
ST 0		ST 1				ST 2 - ST 3		ST 4		BLOCK																													
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.																									
4 1		1 6 3 0				8 5		2 2		2 8		RH		RH																									
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													

BRZ-6

8406281605.
 85.00
 1.00 ***
 1800140009. ***
 160.25 ***
 169.00 ***
 161.04 ***
 169.30 ***
 752.54 ***
 751.74 ***
 0.01 ***
 0.98 ***
 2.00 ***
 1800140009. ***
 144.82 ***
 155.30 ***
 132.70 ***
 143.20 ***
 724.20 ***
 736.29 ***
 0.04 ***
 0.94 ***
 3.00 ***
 1800140009. ***
 152.51 ***
 176.50 ***
 154.44 ***
 178.50 ***
 745.93 ***
 744.02 ***
 0.02 ***
 0.80 ***
 4.00 ***
 1800140009. ***
 115.45 ***
 139.50 ***
 156.18 ***
 180.70 ***
 747.68 ***
 706.93 ***
 0.04 ***
 -0.14 ***
 5.00 ***
 1800140009. ***
 147.30 ***
 171.70 ***
 202.18 ***
 226.40 ***
 793.68 ***
 738.79 ***
 0.05 ***

97.38 ***
 120.90 ***
 162.12 ***
 186.10 ***
 753.62 ***
 688.87 ***
 0.06 ***
 -0.70 ***
 7.00 ***
 1800140009. ***
 128.35 ***
 152.50 ***
 175.57 ***
 200.00 ***
 767.08 ***
 719.86 ***
 0.06 ***
 -1.26 ***
 8.00 ***
 1800140009. ***
 117.98 ***
 141.60 ***
 256.80 ***
 280.00 ***
 848.30 ***
 709.48 ***
 0.06 ***
 -0.42 ***
 325.92 ***
 326.34 ***
 -336.99 ***
 -337.05 ***
 0.65 ***
 -3.3702 ***
 16. ***
 1630.00
 85.00

BRZ-1

LINE <i>Brazoria County</i>										TAPE NO.											
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>14</i>											
ST 0		ST 1		ST 2		ST 3															
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE													
* 4 0 *																					
ST 4					ST 5																
ROD NO. 1					CODE					ROD NO. 2					CODE						
ST 6			ST 7			ST 8			ST 9						C						
OBSERVER			TIME			LEVEL CONST			C/F			UNTS			STAD						
									F						B						
0 - WRITE ON TAPE - 9										BLOCK											
ST 0		ST 1		DESIGNATION																	
DATA		FROM:		<i>BRZ-1</i>																	
* 4 1 *		8 0 0 9																			
		ST 2		DESIGNATION																	
		TO:		<i>BRZ-6</i>																	
		0 0 1 4																			
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK									
		TIME		TEMP		WIND		SUN		DATE											
		1 4 3 0		8 5		2 2		2 8		4 0 6 2 8											
0 - WRITE ON TAPE - 7										f-CLEAR											
ELEV. DIFF.										RCL 7											
										KM. RCL. NO. RCL. 0											
										- 3 3 7 0 3 0 0 6 5 0 8											
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK													
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.									
* 4 1 *		1 5 3 0		8 5		2 2		2		RH		RH									
0 - WRITE ON TAPE - 4																					
REMARKS								REMARKS													

BRZ-1

8406281430.
85.00
1.00 ***
1800090014. ***
181.86 ***
187.70 ***
118.76 ***
124.50 ***
710.26 ***
773.34 ***
0.02 ***
0.20 ***

2.00 ***
1800090014. ***
214.34 ***
236.40 ***
80.19 ***
102.80 ***
671.69 ***
805.81 ***
0.05 ***
-0.90 ***

3.00 ***
1800090014. ***
158.73 ***
181.50 ***
130.06 ***
153.40 ***
721.56 ***
750.24 ***
0.04 ***
-2.04 ***

4.00 ***
1800090014. ***
157.85 ***
180.50 ***
127.40 ***
149.70 ***
718.90 ***
749.36 ***
0.03 ***
-1.34 ***

5.00 ***
1800090014. ***
194.41 ***
216.90 ***
138.37 ***
160.50 ***
729.87 ***
785.91 ***
0.03 ***
-0.52 ***

1000000000. ***
146.70 ***
168.50 ***
112.90 ***
134.20 ***
704.41 ***
738.20 ***
0.04 ***
0.38 ***

7.00 ***
1800090014. ***
154.64 ***
177.30 ***
154.36 ***
177.60 ***
745.87 ***
746.13 ***
0.06 ***
-0.78 ***

8.00 ***
1800090014. ***
135.95 ***
157.40 ***
145.39 ***
167.80 ***
736.86 ***
727.44 ***
0.04 ***
-2.70 ***

323.44 ***
326.14 ***
337.05 ***
337.01 ***
0.65 ***
3.3703 ***

16. ***

530.0000
85.0000

BRZ-6

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>1</i> OF <i>15</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY.				ZONE		INST. NO.		CODE																													
4 0																																							
ST 4										ST 5																													
ROD NO. 1										ROD NO. 2																													
ST 6				ST 7				ST 8				ST 9				C																							
OBSERVER				TIME				LEVEL CONST				C/F				UNTS STAD																							
												F				B																							
0 - WRITE ON TAPE - 9										BLOCK -																													
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		BRZ-6																																			
4 1		0 0 1 4																																					
		ST 2		DESIGNATION																																			
		TO:		BRZ-4																																			
		0 0 0 9																																					
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																											
		TIME		TEMP		WIND		SUN		DATE																													
		1 0 5 0		8 5		Z		Z		8 4 0 6 2 8																													
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL 0									
										- 3 3 6 7 4 0										0 6 5 0 8																			
ST 0		ST 1		ST 2		ST 3		ST 4		BLOCK																													
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																											
4 1		1 1 3 0		8 5		Z		Z		R H		R W																											
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													
Re-Run (void)																																							

BRZ-6

8406281050.	
85.00	
1.00	***
1800140009.	***
141.64	***
163.80	***
133.37	***
155.50	***
724.87	***
733.14	***
0.00	***
0.06	***
2.00	***
1800140009.	***
154.14	***
176.90	***
148.25	***
171.00	***
739.75	***
745.64	***
0.00	***
0.08	***
3.00	***
1800140009.	***
100.32	***
122.60	***
136.41	***
159.10	***
727.91	***
691.82	***
0.00	***
-0.74	***
4.00	***
1800140009.	***
127.38	***
149.60	***
187.29	***
209.60	***
778.79	***
718.88	***
0.00	***
-0.92	***
5.00	***
1800140009.	***
126.50	***
149.00	***
145.70	***
168.20	***
737.20	***

121.70	***
144.30	***
157.95	***
180.50	***
749.45	***
713.20	***
0.00	***
-0.82	***
7.00	***
1800140009.	***
75.42	***
97.50	***
210.55	***
232.10	***
802.05	***
666.92	***
0.00	***
0.24	***
8.00	***
1800140009.	***
120.15	***
126.50	***
184.47	***
190.60	***
775.96	***
711.64	***
0.00	***
0.68	***
325.90	***
325.22	***
-336.74	***
-336.74	***
0.65	***
-3.3674	***
16.	***
1130.00	
85.00	

BRZ-1

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>15</i>																													
ST 0		ST 1				ST 2		ST 3																															
DATA		YR. MO. DY				ZONE		INST. NO.		CODE																													
* 4 0 *																																							
ST 4										ST 5																													
ROD NO. 1										ROD NO. 2																													
CODE										CODE																													
ST 6				ST 7				ST 8				ST 9				C																							
OBSERVER				TIME				LEVEL CONST				C/F				UNTS																							
																F																							
																B																							
0 - WRITE ON TAPE - 9										BLOCK																													
ST 0		ST 1				DESIGNATION																																	
DATA		FROM:																																					
* 4 1 *		0 0 0 9				BRZ-1																																	
		ST 2				DESIGNATION																																	
		TO:																																					
		0 0 1 4				BRZ-6																																	
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK																									
		TIME				TEMP		WIND		SUN		DATE																											
		1 5 4 0				18 5		2 2		2 8		4 0 6 2 8																											
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9																			
ELEV. DIFF.										RCL 7										KM. RCL										NO. RCL 0									
										+ 3 3 7 0 3 0										0 6 5 0 8																			
ST 0		ST 1				ST 2 - ST 3				ST 4				BLOCK																									
DATA		TIME				TEMP				WIND				SUN				OBS.				REC.																	
* 4 1 *		1 6 2 0				8 5				2 2				P H				P H																					
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													
Re-Run																																							

BRZ-1

8406281540.	
85.00	
1.00	***
1800090014.	***
261.14	***
284.90	***
119.72	***
143.50	***
711.23	***
852.62	***
0.03	***
-0.04	***
2.00	***
1800090014.	***
163.79	***
188.00	***
109.90	***
133.50	***
701.41	***
755.27	***
0.06	***
1.18	***
3.00	***
1800090014.	***
154.29	***
178.10	***
97.08	***
121.00	***
688.59	***
745.78	***
0.08	***
0.96	***
4.00	***
1800090014.	***
196.80	***
220.40	***
142.80	***
166.78	***
734.31	***
788.31	***
0.08	***
0.36	***
5.00	***
1800090014.	***
152.98	***
176.80	***
109.22	***
133.50	***
700.72	***
744.49	***
0.07	***
-0.52	***

8.00	***
1800090014.	***
143.23	***
167.60	***
143.28	***
167.40	***
734.78	***
734.76	***
0.04	***
-0.06	***
7.00	***
1800090014.	***
136.30	***
147.10	***
150.27	***
161.40	***
741.77	***
727.80	***
0.04	***
-0.72	***
8.00	***
1800090014.	***
161.03	***
169.30	***
150.24	***
169.00	***
751.74	***
752.53	***
0.04	***
-1.70	***
325.28	***
326.98	***
337.05	***
337.01	***
0.65	***
3.3703	***
16.	***

BRZ-6

GEODETIC LEVELING

LINE	Brazoria County										TAPE NO.				
PROJ. NO.	#4064										PAGE	1	OF	16	
ST 0		ST 1				ST 2		ST 3							
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE			
40															
ST 4								ST 5							
ROD NO. 1								CODE		ROD NO. 2				CODE	
ST 6				ST 7		ST 8		ST 9				C			
OBSERVER				TIME		LEVEL		CONST		C/F		UNTSSTAD			
										F		B			
0 - WRITE ON TAPE - 9										BLOCK		-		R	
ST 0		ST 1		DESIGNATION											
DATA		FROM:		BRZ-6											
41		0014													
		ST 2		DESIGNATION											
		TO:		BRZ-7											
		0015													
ST 3		ST 4		ST 5		ST 6		ST 7				BLOCK			
TIME		TEMP		WIND		SUN		DATE				-			
1640		85		22		22		840628				-			
0 - WRITE ON TAPE - 7										f-CLEAR		ST ^{CH} SIGN 9			
ELEV. OFF.										RCL 7		KM. RCL		NO. RCL 0	
+0.62430										1.06		12			
ST 0		ST 1		ST 2 - ST 3		ST 4						BLOCK			
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.			
341		1715		85		22		22		RH		RH			
0 - WRITE ON TAPE - 4															
REMARKS												REMARKS			

BRZ-6

8406281640.	
85.00	
1.00	***
1800140015.	***
190.00	***
214.10	***
148.07	***
172.20	***
739.57	***
781.49	***
0.01	***
-0.06	***
2.00	***
1800140015.	***
137.03	***
161.60	***
135.86	***
159.60	***
727.35	***
728.52	***
0.01	***
1.60	***
3.00	***
1800140015.	***
174.38	***
198.50	***
134.80	***
159.00	***
726.30	***
765.88	***
0.01	***
1.44	***
4.00	***
1800140015.	***
158.89	***
182.90	***
155.15	***
180.00	***
746.64	***
750.36	***
0.03	***
-0.24	***
5.00	***
1800140015.	***
152.27	***
177.00	***
127.48	***
152.00	***
718.97	***
743.74	***
0.05	***

1800140015.	***
147.89	***
172.60	***
149.87	***
174.20	***
741.36	***
739.39	***
0.04	***
0.94	***
7.00	***
1800140015.	***
169.73	***
193.60	***
166.51	***
190.80	***
758.01	***
761.21	***
0.06	***
0.10	***
8.00	***
1800140015.	***
109.86	***
133.00	***
168.69	***
192.50	***
760.17	***
701.34	***
0.06	***
-1.24	***
9.00	***
1800140015.	***
185.16	***
208.60	***
132.41	***
155.70	***
723.92	***
776.65	***
0.08	***
-0.94	***
10.00	***
1800140015.	***
160.27	***
183.90	***
132.20	***
156.00	***
723.69	***
751.78	***

1800140015.	***
140.79	***
163.50	***
126.41	***
148.40	***
717.91	***
732.29	***
0.06	***
0.16	***
12.00	***
1800140015.	***
103.25	***
105.60	***
189.61	***
191.60	***
781.11	***
694.75	***
0.06	***
0.88	***
530.76	***
529.88	***
62.46	***
62.40	***
1.06	***
0.6243	***
16.	***
1715.00	
85.00	

BRZ-7

LINE <i>Bmzoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>16</i>																													
ST 0		ST 1		ST 2		ST 3																																	
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE																															
* 4 0 *																																							
ST 4					ST 5																																		
ROD NO. 1					CODE					ROD NO. 2					CODE																								
ST 6			ST 7			ST 8			ST 9			C																											
OBSERVER			TIME			LEVEL			CONST			C/F			UNITS			STAD			IF																		
												F						B																					
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		<i>BRZ-7</i>																																			
* 4 1 *		0 0 1 5																																					
		ST 2		DESIGNATION																																			
		TO:		<i>BRZ-6</i>																																			
		0 0 1 4																																					
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																											
		TIME		TEMP		WIND		SUN		DATE																													
		1 0 0 0		8 4		2 2		8 4		0 6		2 9																											
0 - WRITE ON TAPE - 7										f - CLEAR										ST SIGN 9																			
ELEV. DIFF.										RCL 7										1 KM. RCL										NO. RCL 0									
										- 0 6 2 5 4 5										1 0 6 1 2																			
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK																															
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																											
* 4 1 *		1 1 0 0		8 4		2 2		R H		P W																													
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													

BRZ-7

8406291000.
 84.00
 1.00 ***
 1800150014. ***
 192.30 ***
 194.60 ***
 108.36 ***
 110.60 ***
 699.86 ***
 783.80 ***
 0.00 ***
 0.12 ***
 2.00 ***
 1800150014. ***
 138.06 ***
 160.80 ***
 155.77 ***
 178.00 ***
 747.26 ***
 729.55 ***
 0.00 ***
 1.14 ***
 3.00 ***
 1800150014. ***
 146.79 ***
 169.70 ***
 166.39 ***
 190.00 ***
 757.89 ***
 738.28 ***
 0.01 ***
 -0.26 ***
 4.00 ***
 1800150014. ***
 130.56 ***
 153.60 ***
 189.40 ***
 212.60 ***
 780.91 ***
 722.06 ***
 0.02 ***
 -0.58 ***
 5.00 ***
 1800150014. ***
 172.40 ***
 196.50 ***
 114.61 ***
 139.30 ***
 706.13 ***
 763.90 ***
 0.04 ***
 1.75 ***

5.00 ***
 1800150014. ***
 193.37 ***
 194.00 ***
 159.00 ***
 183.20 ***
 750.49 ***
 760.81 ***
 0.05 ***
 -0.82 ***
 7.00 ***
 1800150014. ***
 144.96 ***
 168.40 ***
 149.29 ***
 173.40 ***
 740.81 ***
 736.46 ***
 0.07 ***
 -2.16 ***
 8.00 ***
 1800150014. ***
 126.55 ***
 151.00 ***
 159.48 ***
 183.90 ***
 750.98 ***
 718.05 ***
 0.07 ***
 -2.10 ***
 9.00 ***
 1800150014. ***
 161.03 ***
 186.00 ***
 159.92 ***
 184.20 ***
 751.41 ***
 752.50 ***
 0.09 ***
 -0.72 ***
 10.00 ***
 1800150014. ***
 138.80 ***
 162.50 ***
 172.05 ***
 196.40 ***
 763.55 ***
 730.31 ***
 0.08 ***
 -2.02 ***
 11.00 ***
 1800150014. ***
 139.82 ***
 164.00 ***
 143.22 ***
 167.50 ***
 0.07 ***
 0.07 ***
 0.10 ***

12.00 ***
 1800150014. ***
 155.39 ***
 179.90 ***
 200.99 ***
 224.90 ***
 792.49 ***
 746.88 ***
 0.11 ***
 -1.02 ***
 530.02 ***
 531.04 ***
 -62.49 ***
 -62.60 ***
 1.06 ***
 -0.6255 ***
 16. ***
 1100.00
 84.00

BRZ-4

GEODETIC LEVELING

LINE <i>Braxton County</i> TAPE NO.									
PROJ. NO. <i>40104</i>					PAGE <i>1</i> OF <i>17</i>				
ST 0 DATA		ST 1 YR. MO. DY		ST 2 ZONE		ST 3 INST. NO.		CODE	
* 4 0 8									
ST 4 ROD NO. 1					ST 5 ROD NO. 2				
CODE					CODE				
ST 6 OBSERVER		ST 7 TIME		ST 8 LEVEL CONST		ST 9 C/F UNITS		ST 10 STATION	
						F		F	
0 - WRITE ON TAPE - 9					BLOCK				
ST 0 DATA		ST 1 FROM:		DESIGNATION					
* 4 1 8		0 0 1 5		BRZ - 7					
		ST 2 TO:		DESIGNATION					
		0 0 1 6		BRZ - 8					
ST 3 TIME		ST 4 TEMP		ST 5 WIND		ST 6 SUN		ST 7 DATE	
1 7 1 5		18 5		2 2		2 8		4 0 6 2 8	
0 - WRITE ON TAPE - 7					f-CLEAR				
ELEV. DIFF.					RCL 7				
+ 0 3 1 1 1 0					1 5 9 2 0				
ST 0 DATA		ST 1 TIME		ST 2 - ST 3 TEMP WIND		ST 4 SUN		BLOCK	
* 4 1 8		1 8 1 5		18 5 2 2		P H		P W	
0 - WRITE ON TAPE - 4									
REMARKS					REMARKS				

BRZ-7

8406281715.
85.00
1.00 ***
1800150016. ***
189.47 ***
191.60 ***
103.11 ***
105.60 ***
694.61 ***
780.97 ***
0.00 ***
-0.72 ***

2.00 ***
1800150016. ***
109.72 ***
132.40 ***
147.42 ***
170.00 ***
738.93 ***
701.25 ***
-0.02 ***
-0.52 ***

3.00 ***
1800150016. ***
175.75 ***
198.10 ***
129.48 ***
152.40 ***
720.99 ***
767.27 ***
-0.03 ***
-1.66 ***

4.00 ***
1800150016. ***
113.86 ***
136.40 ***
154.65 ***
177.50 ***
746.15 ***
705.38 ***
-0.05 ***
-2.28 ***

5.00 ***
1800150016. ***
165.10 ***
187.70 ***
153.44 ***
176.10 ***
744.95 ***
756.60 ***
-0.24 ***
-0.24 ***

1000150016. ***
146.99 ***
169.90 ***
139.53 ***
162.80 ***
731.02 ***
738.49 ***
-0.05 ***
-3.12 ***

7.00 ***
1800150016. ***
137.53 ***
160.90 ***
146.85 ***
169.50 ***
738.35 ***
729.02 ***
-0.04 ***
-1.68 ***

8.00 ***
1800150016. ***
147.67 ***
170.60 ***
150.56 ***
173.90 ***
742.06 ***
739.17 ***
-0.04 ***
-2.50 ***

9.00 ***
1800150016. ***
146.83 ***
169.40 ***
161.54 ***
184.80 ***
753.03 ***
738.32 ***
-0.04 ***
-3.88 ***

10.00 ***
1800150016. ***
143.00 ***
166.30 ***
133.70 ***
156.20 ***
725.18 ***
734.49 ***
-0.05 ***
-0.28 ***

154.50 ***
109.28 ***
132.10 ***
700.77 ***
723.26 ***
-0.05 ***
-2.46 ***

12.00 ***
1800150016. ***
129.93 ***
152.50 ***
135.93 ***
158.00 ***
727.44 ***
721.44 ***
-0.05 ***
-1.46 ***

13.00 ***
1800150016. ***
145.77 ***
169.30 ***
153.66 ***
176.60 ***
745.15 ***
737.24 ***
-0.03 ***
-0.28 ***

14.00 ***
1800150016. ***
156.54 ***
179.60 ***
135.94 ***
158.40 ***
727.44 ***
748.04 ***
-0.03 ***
0.92 ***

15.00 ***
1800150016. ***
141.30 ***
164.50 ***
140.72 ***
163.70 ***
732.22 ***
732.81 ***
-0.04 ***
1.36 ***

16.00 ***
1800150016. ***
163.95 ***
185.70 ***
149.90 ***
172.50 ***

125.60 ***
148.50 ***
152.78 ***
175.50 ***
744.28 ***
717.09 ***
0.00 ***
0.02 ***

18.00 ***
1800150016. ***
158.03 ***
181.00 ***
139.10 ***
162.60 ***
730.60 ***
749.53 ***
0.00 ***
-1.04 ***

19.00 ***
1800150016. ***
153.97 ***
159.90 ***
137.49 ***
143.52 ***
729.60 ***
745.47 ***
0.01 ***
-1.40 ***

20.00 ***
1800150016. ***
119.54 ***
121.40 ***
185.12 ***
185.02 ***
727.62 ***
711.83 ***
0.22 ***
-1.44 ***

795.76 ***
797.20 ***
31.12 ***
31.10 ***
1.59 ***
0.3111 ***

16. ***

1815.00
85.00

BRZ-8

LINE <i>Brazoria County</i>										TAPE NO.									
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>17</i>									
ST 0		ST 1		ST 2		ST 3													
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE											
* 4 0 *																			
ST 4					ST 5														
ROD NO. 1					CODE					ROD NO. 2					CODE				
ST 6			ST 7			ST 8			ST 9						C				
OBSERVER			TIME			LEVEL			CONST			C/F			UNTESTED				
															F				
															B				
0 - WRITE ON TAPE - 9										BLOCK									
ST 0		ST 1		DESIGNATION															
DATA		FROM:		<i>BRZ-8</i>															
* 4 1 *		0 0 1 6																	
		ST 2		DESIGNATION															
		TO:		<i>BRZ-7</i>															
		0 0 1 5																	
ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK									
TIME		TEMP		WIND		SUN		DATE											
0 8 4 5		8 4		2 2		2 8		4 0 6 2 9											
0 - WRITE ON TAPE - 7										f-CLEAR									
ELEV. DIFF.										RCL 7									
- 0 3 1 1 7 0										1 6 1 2 0									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK											
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.							
3 4 1		0 9 5 5		8 4		2 2		R H		R H									
0 - WRITE ON TAPE - 4																			
REMARKS										REMARKS									

BRZ-8

8406290845.	
84.00	
1.00	***
1800160015.	***
192.83	***
194.30	***
132.89	***
134.30	***
724.39	***
784.33	***
0.00	***
0.12	***
2.00	***
1800160015.	***
149.51	***
155.70	***
145.97	***
151.60	***
737.48	***
741.01	***
0.01	***
1.24	***
3.00	***
1800160015.	***
139.18	***
162.50	***
164.60	***
187.00	***
756.09	***
730.67	***
0.01	***
3.08	***
4.00	***
1800160015.	***
157.16	***
180.40	***
132.78	***
155.60	***
724.28	***
748.65	***
0.02	***
3.92	***
5.00	***
1800160015.	***
158.18	***
181.20	***
168.58	***
192.00	***
760.06	***
749.68	***

1800160015.	***
146.33	***
169.30	***
143.11	***
167.00	***
734.61	***
737.81	***
0.02	***
1.28	***
7.00	***
1800160015.	***
132.37	***
155.40	***
162.81	***
185.90	***
754.29	***
723.88	***
-0.01	***
1.16	***
8.00	***
1800160015.	***
163.18	***
186.90	***
153.04	***
177.30	***
744.54	***
754.68	***
-0.01	***
0.08	***
9.00	***
1800160015.	***
142.68	***
165.00	***
134.65	***
157.40	***
726.14	***
734.15	***
0.01	***
-0.78	***
10.00	***
1800160015.	***
113.21	***
136.70	***
137.01	***
160.00	***
728.50	***
704.70	***
0.01	***
0.22	***

1.00	***
4.00	***
6.00	***
153.97	***
175.90	***
745.47	***
732.89	***
0.01	***
1.98	***
12.00	***
1800160015.	***
170.93	***
193.30	***
148.17	***
171.50	***
739.66	***
762.41	***
0.02	***
0.06	***
13.00	***
1800160015.	***
146.28	***
169.90	***
144.31	***
167.70	***
735.81	***
737.78	***
0.02	***
0.52	***
14.00	***
1800160015.	***
146.53	***
169.60	***
142.41	***
165.60	***
733.91	***
738.03	***
0.02	***
0.28	***
15.00	***
1800160015.	***
146.33	***
169.50	***
148.20	***
171.50	***
739.71	***
737.83	***
0.03	***
0.02	***
16.00	***
1800160015.	***
152.00	***
175.10	***
168.00	***
190.70	***

321-1000

100.10 ***
189.50 ***
122.44 ***
145.40 ***
713.95 ***
757.67 ***
0.02 ***
1.60 ***

18.00 ***
1800160015. ***
137.06 ***
160.30 ***
177.18 ***
200.40 ***
768.69 ***
728.56 ***
0.03 ***
1.64 ***

19.00 ***
1800160015. ***
149.21 ***
172.00 ***
117.59 ***
140.40 ***
709.09 ***
740.69 ***
0.05 ***
1.60 ***

20.00 ***
1800160015. ***
107.61 ***
109.60 ***
191.55 ***
193.60 ***
783.06 ***
699.11 ***
0.06 ***
1.48 ***

804.56 ***
803.08 ***
-31.14 ***
-31.20 ***
1.61 ***
-0.3117 ***

16. ***

0955.00
84.00

BRZ-7

GEODETIC LEVELING

LINE		Brazoria County		TAPE NO.	
PROJ. NO.		4064		PAGE 1 OF 18	
ST 0	ST 1	ST 2	ST 3		
DATA	YR. MO. DY.	ZONE	INST. NO.	CODE	
* 4 0 *					
ST 4			ST 5		
ROD NO. 1			ROD NO. 2		
CODE			CODE		
ST 6	ST 7	ST 8	ST 9		
OBSERVER	TIME	LEVEL CONST	C/F UNITS	STAD C/F	
0 - WRITE ON TAPE - 9			BLOCK		
ST 0	ST 1	DESIGNATION			
DATA	FROM:	BRZ-8			
* 4 1 *	0 0 1 6				
	ST 2	DESIGNATION			
	TO:	BRZ-9			
	0 0 1 7				
ST 3	ST 4	ST 5	ST 6	ST 7	BLOCK
TIME	TEMP	WIND	SUN	DATE	
0 7 0 0	18 0	2	2	18 4 0 6 2 9	
0 - WRITE ON TAPE - 7 f-CLEAR ST SIGN 9					
ELEV. DIFF.		RCL 7		KM. RCL NO. RCL 0	
- 0 . 2 9 8 5 0		1 4 5		1 6	
ST 0	ST 1	ST 2 - ST 3	ST 4	BLOCK	
DATA	TIME	TEMP WIND	SUN OBS. REC.		
3 4 1	0 8 0 0	8 2	2 2	R/A R/W	
0 - WRITE ON TAPE - 4					
REMARKS			REMARKS		

B&L-8

8406290700.
 80.00
 1.00 ***
 1800160017. ***
 171.79 ***
 193.80 ***
 134.05 ***
 155.50 ***
 725.54 ***
 763.28 ***
 0.00 ***
 1.12 ***
 2.00 ***
 1800160017. ***
 153.40 ***
 175.00 ***
 159.02 ***
 181.30 ***
 750.53 ***
 744.90 ***
 0.01 ***
 -0.24 ***
 3.00 ***
 1800160017. ***
 109.60 ***
 132.00 ***
 169.13 ***
 191.30 ***
 760.63 ***
 701.10 ***
 0.01 ***
 0.22 ***
 4.00 ***
 1800160017. ***
 113.40 ***
 135.20 ***
 156.86 ***
 178.10 ***
 748.36 ***
 704.90 ***
 0.01 ***
 1.34 ***
 5.00 ***
 1800160017. ***
 146.55 ***
 168.10 ***
 151.37 ***
 173.20 ***
 742.88 ***
 738.05 ***
 0.02 ***

168.80 ***
 191.50 ***
 129.00 ***
 152.30 ***
 720.50 ***
 760.30 ***
 0.02 ***
 -0.42 ***
 7.00 ***
 1800160017. ***
 186.88 ***
 209.30 ***
 132.37 ***
 155.60 ***
 723.86 ***
 778.37 ***
 0.02 ***
 -2.04 ***
 8.00 ***
 1800160017. ***
 137.42 ***
 160.40 ***
 154.72 ***
 178.10 ***
 746.22 ***
 728.93 ***
 0.01 ***
 -2.84 ***
 9.00 ***
 1800160017. ***
 129.90 ***
 153.20 ***
 145.36 ***
 169.20 ***
 736.86 ***
 721.39 ***
 0.02 ***
 -3.92 ***
 10.00 ***
 1800160017. ***
 151.48 ***
 175.30 ***
 126.44 ***
 149.80 ***
 717.94 ***
 742.98 ***
 0.02 ***
 -5.00 ***

156.40 ***
 179.80 ***
 126.99 ***
 149.50 ***
 718.49 ***
 747.89 ***
 0.03 ***
 -1.22 ***
 12.00 ***
 1800160017. ***
 146.20 ***
 170.20 ***
 178.89 ***
 201.90 ***
 770.39 ***
 737.70 ***
 0.03 ***
 0.76 ***
 13.00 ***
 1800160017. ***
 145.92 ***
 169.00 ***
 145.81 ***
 169.70 ***
 737.31 ***
 737.41 ***
 0.04 ***
 -0.86 ***
 14.00 ***
 1800160017. ***
 160.70 ***
 183.90 ***
 134.41 ***
 158.00 ***
 725.91 ***
 752.20 ***
 0.04 ***
 -1.64 ***
 15.00 ***
 1800160017. ***
 146.68 ***
 170.00 ***
 151.68 ***
 174.60 ***
 743.18 ***
 738.18 ***
 0.04 ***
 -5.00 ***

1800160017. ***
131.34 ***
152.80 ***
190.19 ***
211.50 ***
781.69 ***
722.84 ***
0.04 ***
-0.54 ***

0000.00
82.00

BRZ-9

BRZ-8

726.00 ***
726.62 ***
-29.83 ***
-29.87 ***
1.45 ***
-0.2985 ***

BRZ- 16. ***
9

GEODETIC LEVELING

LINE		Brazoria County										TAPE NO.		
PROJ. NO.		4064										PAGE 2 OF 18		
ST 0	ST 1	ST 2	ST 3											
DATA	YR. MO. DY.	ZONE	INST. NO.	CODE										
4	0													
ST 4			ST 5											
ROD NO. 1			CODE			ROD NO. 2			CODE					
ST 6		ST 7		ST 8		ST 9				C				
OBSERVER		TIME		LEVEL		CONST		C/F		UNTS				
								F		B				
0 - WRITE ON TAPE - 9												BLOCK	-	R
ST 0	ST 1	DESIGNATION												
DATA	FROM:	BRZ-9												
4	0	0017												
ST 2		DESIGNATION												
TO:		BRZ-8												
0		0016												
ST 3	ST 4	ST 5	ST 6	ST 7	BLOCK									
TIME	TEMP	WIND	SUN	DATE										
0	8	0	0	8	2	2	2	8	4	0	6	2	9	
0 - WRITE ON TAPE - 7														
f-CLEAR ST SIGN 9														
ELEV. DIFF.		RCL 7		KM. RCL		NO. RCL		0						
7		0		2		9		7		8		0		
1		4		6		1		6						
ST 0	ST 1	ST 2	ST 3	ST 4	BLOCK									
DATA	TIME	TEMP	WIND	SUN	OBS.	REC.								
4	0	8	4	5	8	4	2	2	R.H.	R.W.				
0 - WRITE ON TAPE - 4														
REMARKS							REMARKS							

BRZ-9

8406290800.	
82.00	
1.00	***
1800170016.	***
184.62	***
205.80	***
125.79	***
146.50	***
717.29	***
776.12	***
0.00	***
0.94	***
2.00	***
1800170016.	***
149.90	***
173.00	***
140.60	***
163.80	***
732.10	***
741.39	***
0.01	***
0.74	***
3.00	***
1800170016.	***
131.40	***
155.00	***
163.02	***
186.90	***
754.52	***
722.90	***
0.01	***
0.18	***
4.00	***
1800170016.	***
148.10	***
172.00	***
149.70	***
172.90	***
741.21	***
739.60	***
0.02	***
1.58	***
5.00	***
1800170016.	***
181.97	***
205.00	***
146.07	***
170.00	***
737.57	***
773.37	***
0.02	***

1800170016.	***
128.33	***
151.50	***
163.30	***
186.60	***
754.80	***
719.83	***
0.02	***
-0.28	***
7.00	***
1800170016.	***
136.52	***
160.00	***
158.98	***
182.00	***
750.47	***
728.03	***
0.00	***
0.64	***
8.00	***
1800170016.	***
149.56	***
173.50	***
135.33	***
159.00	***
726.83	***
741.06	***
0.00	***
1.18	***
9.00	***
1800170016.	***
156.58	***
180.00	***
139.20	***
162.90	***
730.69	***
748.09	***
-0.02	***
0.62	***
10.00	***
1800170016.	***
135.07	***
158.70	***
184.25	***
207.20	***
775.75	***
726.57	***
-0.02	***
1.58	***

1800170016.	***
126.51	***
149.30	***
171.03	***
194.50	***
762.53	***
718.04	***
-0.05	***
0.62	***
12.00	***
1800170016.	***
152.31	***
174.30	***
154.15	***
176.00	***
745.64	***
743.81	***
-0.06	***
0.90	***
13.00	***
1800170016.	***
166.31	***
188.10	***
108.74	***
130.30	***
700.24	***
757.81	***
-0.06	***
1.36	***
14.00	***
1800170016.	***
167.37	***
189.50	***
117.10	***
140.00	***
708.61	***
758.86	***
-0.04	***
-0.18	***
15.00	***
1800170016.	***
167.30	***
189.10	***
164.19	***
185.50	***
755.69	***
758.80	***
-0.04	***
0.00	***

15.00	***
157.00	***
177.31	***
198.90	***
768.81	***
738.27	***
-0.04	***
-1.52	***

727.76	***
729.28	***
29.76	***
29.80	***
1.46	***
0.2978	***

16. ***

0045.00
84.00

BRZ-8

GEODETIC LEVELING

LINE <u>Brazoria County</u>										TAPE NO.									
PROJ. NO. <u>4044</u>										PAGE <u>1</u> OF <u>19</u>									
ST 0 DATA		ST 1 YR. MO. DY				ST 2 ZONE		ST 3 INST. NO.				CODE							
4 0																			
ST 4 ROD NO. 1						CODE		ST 5 ROD NO. 2						CODE					
ST 6 OBSERVER				ST 7 TIME				ST 8 LEVEL CONST				ST 9 C/F UNITS STAD				IC F			
0 - WRITE ON TAPE - 9										BLOCK -									
ST 0 DATA		ST 1 FROM:				DESIGNATION													
4 1		0 0 1 7				BRZ-9													
		ST 2 TO:				DESIGNATION													
		0 0 1 8				BRZ-10													
		ST 3 TIME		ST 4 TEMP		ST 5 WIND		ST 6 SUN		ST 7 DATE		BLOCK							
		1 2 2 0		8 2		2 2		2 0		4 0 6 2 9									
0 - WRITE ON TAPE - 7										f-CLEAR ST SIGN 9									
ELEV. OFF. RCL 7										IKM. RCL. NO. RCL. 0									
+ 0 . 7 8 8 3 0										1 7 9 2 0									
ST 0 DATA		ST 1 TIME		ST 2 - ST 3 TEMP WIND		ST 4 SUN		OBS.		REC.		BLOCK							
3 4 1		1 3 3 0		8 2 2 2		2		RH		R. 41									
0 - WRITE ON TAPE - 4																			
REMARKS																			
REMARKS																			

BRZ-9

8406291220.
82.00
1.00 ***
1800170018. ***
236.75 ***
253.60 ***
129.65 ***
147.00 ***
721.15 ***
828.25 ***
0.00 ***
-1.00 ***
2.00 ***
1800170018. ***
161.08 ***
185.10 ***
157.85 ***
181.30 ***
749.36 ***
752.57 ***
0.02 ***
0.14 ***
3.00 ***
1800170018. ***
138.07 ***
162.10 ***
151.17 ***
175.00 ***
742.68 ***
729.56 ***
0.04 ***
0.54 ***
4.00 ***
1800170018. ***
158.35 ***
181.90 ***
155.82 ***
178.80 ***
747.32 ***
749.86 ***
0.03 ***
1.68 ***
5.00 ***
1800170018. ***
139.87 ***
162.70 ***
137.79 ***
161.00 ***
729.29 ***
731.36 ***
0.04 ***
0.52 ***

1300170018. ***
151.36 ***
175.10 ***
161.94 ***
185.20 ***
753.44 ***
742.85 ***
0.05 ***
1.88 ***
7.00 ***
1800170018. ***
164.93 ***
187.90 ***
159.63 ***
183.00 ***
751.14 ***
756.44 ***
0.05 ***
1.08 ***
8.00 ***
1800170018. ***
154.37 ***
178.00 ***
150.01 ***
174.00 ***
741.52 ***
745.86 ***
0.07 ***
0.36 ***
9.00 ***
1800170018. ***
163.26 ***
186.50 ***
157.15 ***
180.60 ***
748.66 ***
754.76 ***
0.08 ***
-0.06 ***
10.00 ***
1800170018. ***
138.33 ***
161.90 ***
151.99 ***
174.80 ***
743.49 ***
729.84 ***
0.07 ***
1.45 ***

11.00 ***
119.10 ***
171.50 ***
172.46 ***
194.60 ***
763.97 ***
740.60 ***
0.08 ***
1.98 ***
12.00 ***
1800170018. ***
152.83 ***
174.40 ***
140.52 ***
162.40 ***
732.03 ***
744.34 ***
0.08 ***
1.36 ***
13.00 ***
1800170018. ***
141.58 ***
164.50 ***
145.73 ***
168.50 ***
737.24 ***
733.08 ***
0.09 ***
1.66 ***
14.00 ***
1800170018. ***
149.46 ***
172.60 ***
141.46 ***
164.60 ***
732.95 ***
740.95 ***
0.09 ***
1.66 ***
15.00 ***
1800170018. ***
148.49 ***
172.10 ***
132.36 ***
155.80 ***
723.85 ***
739.99 ***
0.08 ***
2.00 ***
16.00 ***
1800170018. ***
157.05 ***
180.50 ***
127.78 ***
150.90 ***
713.27 ***
710.54 ***
0.09 ***
0.52 ***

17.00 ***
1800170018. ***

141.32 ***
164.80 ***
133.46 ***
156.40 ***
724.96 ***
732.83 ***
0.08 ***
3.74 ***

18.00 ***
1800170018. ***

121.14 ***
144.70 ***
139.84 ***
163.50 ***
731.34 ***
712.64 ***
0.08 ***
3.54 ***

19.00 ***
1800170018. ***

154.12 ***
177.60 ***
145.26 ***
169.30 ***
736.76 ***
745.62 ***
0.08 ***
2.42 ***

20.00 ***
1800170018. ***

135.62 ***
148.50 ***
186.33 ***
199.50 ***
777.84 ***
727.11 ***
0.10 ***
1.84 ***

897.84 ***
896.00 ***
78.88 ***
78.78 ***
1.79 ***
0.7883 ***

16. ***

1330.00
82.00

BRZ-10

LINE <i>Brazoria County</i>										TAPE NO.																			
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>19</i>																			
ST 0		ST 1		ST 2		ST 3																							
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE																					
* 4 0 *																													
ST 4					ST 5																								
ROD NO. 1					CODE					ROD NO. 2					CODE														
ST 6			ST 7			ST 8			ST 9						C														
OBSERVER			TIME			LEVEL			CONST. C/F			UNTS			STAD. IF														
															✓ B														
O - WRITE ON TAPE - 9										BLOCK																			
ST 0		ST 1		DESIGNATION																									
DATA		FROM:		<i>BRZ-10</i>																									
* 4 1 *		0 0 1 8																											
		ST 2		DESIGNATION																									
		TO:		<i>BRZ-9</i>																									
		0 0 1 7																											
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																	
		TIME		TEMP		MND		SUN		DATE																			
		1 6 1 0		1 8 5		2 2 2		8 4 0 6 3 0																					
O - WRITE ON TAPE - 7										f - CLEAR										ST SIGN 9									
ELEV. DIFF.										RCL 7										IKM. RCL. NO. RCL. 0									
										- 0 7 8 8 0 0										1 8 0 2 0									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK																					
DATA		TIME		TEMP		MND		SUN		OBS.		REC.																	
* 4 1 *		1 7 2 0		1 8 5		2 2 2		RH.		RW.																			
O - WRITE ON TAPE - 4																													
REMARKS										REMARKS																			

BRZ-10

8406301610.
 85.00
 1.00 ***
 1800180017. ***
 187.03 ***
 200.30 ***
 135.86 ***
 148.50 ***
 727.36 ***
 778.53 ***
 0.00 ***
 1.26 ***
 2.00 ***
 1800180017. ***
 149.05 ***
 172.90 ***
 158.65 ***
 182.10 ***
 750.16 ***
 740.54 ***
 0.02 ***
 2.06 ***
 3.00 ***
 1800180017. ***
 143.61 ***
 167.50 ***
 123.28 ***
 147.00 ***
 714.79 ***
 735.41 ***
 0.03 ***
 1.80 ***
 4.00 ***
 1800180017. ***
 135.01 ***
 158.50 ***
 146.04 ***
 169.50 ***
 737.53 ***
 726.50 ***
 0.03 ***
 1.86 ***
 5.00 ***
 1800180017. ***
 132.73 ***
 155.50 ***
 158.84 ***
 181.90 ***
 750.35 ***
 724.24 ***
 0.03 ***
 1.28 ***
 6.00 ***
 1800180017. ***
 136.55 ***
 159.90 ***
 157.03 ***
 181.30 ***
 748.53 ***
 728.05 ***
 0.03 ***
 -0.50 ***

178.50 ***
 747.11 ***
 737.01 ***
 0.04 ***
 -0.18 ***
 8.00 ***
 1800180017. ***
 150.53 ***
 173.50 ***
 140.50 ***
 163.50 ***
 732.00 ***
 742.03 ***
 0.04 ***
 -0.24 ***
 9.00 ***
 1800180017. ***
 152.00 ***
 137.09 ***
 159.60 ***
 728.59 ***
 721.02 ***
 0.05 ***
 -0.32 ***
 10.00 ***
 1800180017. ***
 170.37 ***
 192.10 ***
 163.88 ***
 186.30 ***
 755.37 ***
 761.86 ***
 0.05 ***
 -1.70 ***
 11.00 ***
 1800180017. ***
 159.50 ***
 166.35 ***
 190.00 ***
 757.84 ***
 768.07 ***
 0.03 ***
 -2.92 ***
 12.00 ***
 1800180017. ***
 181.15 ***
 204.60 ***
 184.40 ***
 207.50 ***
 775.89 ***
 772.65 ***
 0.02 ***
 -0.22 ***

185.25 ***
 209.00 ***
 776.75 ***
 762.03 ***
 0.03 ***
 -3.00 ***
 14.00 ***
 1800180017. ***
 188.47 ***
 212.00 ***
 207.15 ***
 230.90 ***
 298.65 ***
 779.98 ***
 0.02 ***
 -3.44 ***
 15.00 ***
 1800180017. ***
 230.00 ***
 230.00 ***
 186.03 ***
 210.00 ***
 777.53 ***
 797.58 ***
 0.02 ***
 -2.34 ***
 16.00 ***
 1800180017. ***
 159.38 ***
 182.70 ***
 166.92 ***
 150.00 ***
 758.43 ***
 750.87 ***
 0.04 ***
 -1.86 ***
 17.00 ***
 1800180017. ***
 215.00 ***
 170.12 ***
 193.90 ***
 761.62 ***
 783.62 ***
 0.04 ***
 -2.06 ***
 18.00 ***
 1800180017. ***
 176.62 ***
 200.00 ***
 159.84 ***
 183.00 ***
 751.33 ***
 768.10 ***
 0.05 ***
 -1.62 ***
 19.00 ***
 1800180017. ***
 173.63 ***
 197.40 ***
 177.23 ***
 201.20 ***
 768.72 ***
 767.13 ***
 0.04 ***
 -1.02 ***

15.00	***
160.00	***
144.65	***
162.00	***
248.14	***
266.00	***
839.64	***
736.15	***
0.04	***
-3.04	***
899.96	***
903.00	***
-78.78	***
-78.82	***
1.80	***
-0.7880	***
16.	***

1720.00
85.00

BLZ-9

GEODETIC LEVELING

LINE		Brazoria County										TAPE NO.																											
PROJ. NO.		4064										PAGE 1 OF 20																											
ST 0		ST 1		ST 2		ST 3																																	
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE																															
40																																							
ST 4						ST 5																																	
ROD NO. 1						CODE						ROD NO. 2						CODE																					
ST 6				ST 7				ST 8				ST 9								C																			
OBSERVER				TIME				LEVEL				CONST				C/F				UNTS				STAD				H/F											
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		BRZ-10																																			
41		0018																																					
		ST 2		DESIGNATION																																			
		TO:		BRZ-11																																			
		0019																																					
ST 3				ST 4				ST 5				ST 6				ST 7				BLOCK																			
TIME				TEMP				WIND				SUN				DATE																							
1400				182				22				28				40629																							
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9																			
ELEV. CFF.										RCL 7										KM. RCL										INO. RCL. 0									
+0.5										1885										1162										18									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK																															
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																											
341		1455		182		22		2		RH		RW																											
0 - WRITE ON TAPE - 4																																							
REMARKS										REMARKS																													

BRZ-10

8406291400.
82.00
1.00 ***
1800180019. ***
206.55 ***
229.50 ***
149.18 ***
172.30 ***
740.67 ***
798.01 ***
0.03 ***
-0.34 ***

2.00 ***
1800180019. ***
154.95 ***
178.00 ***
154.68 ***
178.20 ***
746.17 ***
746.45 ***
0.02 ***
-1.28 ***

3.00 ***
1800180019. ***
133.43 ***
157.00 ***
149.28 ***
173.00 ***
740.77 ***
724.90 ***
0.04 ***
-1.58 ***

4.00 ***
1800180019. ***
156.11 ***
179.90 ***
151.03 ***
174.80 ***
742.52 ***
747.58 ***
0.06 ***
-1.54 ***

5.00 ***
1800180019. ***
144.25 ***
168.00 ***
140.37 ***
163.50 ***
731.87 ***
735.75 ***
0.06 ***
-0.38 ***

1000180019. ***
157.12 ***
181.12 ***
141.60 ***
164.80 ***
733.09 ***
749.31 ***
0.06 ***
0.06 ***

7.00 ***
1800180019. ***
127.55 ***
150.50 ***
162.12 ***
185.60 ***
753.62 ***
719.04 ***
0.07 ***
-1.00 ***

8.00 ***
1800180019. ***
156.73 ***
179.60 ***
134.76 ***
157.80 ***
726.26 ***
748.24 ***
0.06 ***
-1.34 ***

9.00 ***
1800180019. ***
184.34 ***
208.00 ***
127.74 ***
150.90 ***
719.23 ***
775.80 ***
0.09 ***
-0.34 ***

10.00 ***
1800180019. ***
157.25 ***
181.00 ***
157.48 ***
181.20 ***
748.99 ***
748.73 ***
0.12 ***
-0.28 ***

11.00 ***
1800180019. ***
112.42 ***
136.30 ***
190.42 ***
214.00 ***
781.93 ***
781.92 ***
2.12 ***

1000180019. ***
169.27 ***
193.20 ***
146.04 ***
170.00 ***
737.53 ***
760.77 ***
0.09 ***
0.26 ***

13.00 ***
1800180019. ***
218.11 ***
241.20 ***
105.58 ***
129.00 ***
697.07 ***
809.62 ***
0.07 ***
-0.40 ***

14.00 ***
1800180019. ***
122.69 ***
146.40 ***
158.16 ***
182.20 ***
749.66 ***
714.18 ***
0.08 ***
-1.06 ***

15.00 ***
1800180019. ***
151.46 ***
174.60 ***
177.60 ***
200.90 ***
769.13 ***
742.99 ***
0.08 ***
-1.38 ***

16.00 ***
1800180019. ***
157.85 ***
180.90 ***
168.84 ***
191.90 ***
760.34 ***
749.34 ***
0.02 ***
-1.50 ***

17.60 ***
1900180019. ***
150.43 ***
173.60 ***
136.83 ***
159.90 ***
728.34 ***
742.00 ***
0.08 ***
-1.50 ***

18.00 ***
1800180019. ***
143.20 ***
151.10 ***
200.84 ***
208.20 ***
792.33 ***
734.72 ***
0.05 ***
-0.42 ***

810.38 ***
811.30 ***
51.91 ***
51.86 ***
1.62 ***
0.5189 ***

16. ***

1455.00

82.00

BRZ-11

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.																			
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>20</i>																			
ST 0		ST 1				ST 2		ST 3																					
DATA		YR. MO. DY				ZONE		INST. NO.		CODE																			
* 4 0 *																													
ST 4										ST 5																			
ROD NO. 1										ROD NO. 2																			
CODE										CODE																			
ST 6				ST 7				ST 8				ST 9				IC													
OBSERVER				TIME				LEVEL CONST				C/F				UNTS STAD IF													
												☒ F				☒ B													
0 - WRITE ON TAPE - 9										BLOCK																			
ST 0		ST 1				DESIGNATION																							
DATA		FROM:																											
* 4 1 *		0 0 1 9				BRZ - 11																							
		ST 2				DESIGNATION																							
		TO:																											
		0 0 1 8				BRZ - 10																							
		ST 3				ST 4		ST 5		ST 6		ST 7		BLOCK															
		TIME				TEMP		WIND		SUN		DATE																	
		1 5 2 0				8 5		2 2		2 8		4 0 6 3 6																	
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9									
ELEV. DIFF.										RCL 7										IKM. RCL. NO. RCL. 0									
										- 0 . 5 2 2 5 5										1 6 2 1 8									
ST 0		ST 1				ST 2 - ST 3		ST 4		BLOCK																			
DATA		TIME				TEMP		WIND		SUN		OBS.		REC.															
* 4 1 *		1 6 1 0				8 5		2 2		2		RH		RH															
0 - WRITE ON TAPE - 4																													
REMARKS										REMARKS																			

BRZ-11

8406301520.
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1.00 ***
1800190018. ***
195.75 ***
203.50 ***
142.80 ***
150.00 ***
734.30 ***
787.25 ***
0.00 ***
1.10 ***
2.00 ***
1800190018. ***
139.06 ***
162.90 ***
146.38 ***
169.50 ***
737.87 ***
730.56 ***
-0.01 ***
2.54 ***
3.00 ***
1800190018. ***
161.05 ***
184.80 ***
147.58 ***
170.90 ***
739.09 ***
752.54 ***
0.01 ***
3.40 ***
4.00 ***
1800190018. ***
170.55 ***
193.40 ***
151.42 ***
175.10 ***
742.92 ***
762.04 ***
0.02 ***
1.74 ***
5.00 ***
1800190018. ***
157.02 ***
181.20 ***
126.40 ***
150.40 ***
748.51 ***
0.04 ***
2.10 ***
6.00 ***
1800190018. ***
110.22 ***
133.70 ***
232.80 ***
232.80 ***
614.38 ***
0.00 ***
3.24 ***

1000100000.00 ***
197.50 ***
764.90 ***
744.40 ***
0.03 ***
2.24 ***
8.00 ***
1800190018. ***
194.07 ***
218.00 ***
110.13 ***
154.50 ***
201.62 ***
785.50 ***
0.01 ***
1.36 ***
9.00 ***
1800190018. ***
156.45 ***
180.00 ***
161.45 ***
185.30 ***
747.94 ***
0.01 ***
0.76 ***
10.00 ***
1800190018. ***
126.50 ***
149.60 ***
179.70 ***
203.10 ***
771.21 ***
718.61 ***
0.01 ***
0.16 ***
11.00 ***
1800190018. ***
131.77 ***
154.80 ***
150.42 ***
173.60 ***
741.91 ***
723.25 ***
0.02 ***
-0.14 ***
12.00 ***
1800190018. ***
154.93 ***
177.70 ***
128.88 ***
151.50 ***
720.36 ***
746.44 ***
-0.01 ***
0.16 ***
13.00 ***
1800190018. ***
142.77 ***
165.70 ***
157.46 ***
181.20 ***
738.95 ***
734.28 ***
-0.03 ***
-1.46 ***
14.00 ***
1800190018. ***
139.85 ***
162.50 ***
140.99 ***
164.00 ***
131.44 ***
10.51 ***
10.18 ***

1800190018. ***
140.83 ***
145.70 ***
168.60 ***
736.51 ***
732.33 ***
-0.01 ***
-3.62 ***
16.00 ***
1800190018. ***
147.50 ***
170.90 ***
132.99 ***
156.00 ***
724.48 ***
739.00 ***
-0.02 ***
-2.84 ***
17.00 ***
1800190018. ***
155.82 ***
179.70 ***
163.53 ***
182.00 ***
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747.33 ***
-0.03 ***
-2.82 ***
18.00 ***
1800190018. ***
152.53 ***
176.00 ***
200.41 ***
223.00 ***
791.91 ***
744.03 ***
-0.03 ***
-1.06 ***
838.26 ***
809.32 ***
-52.27 ***
-52.24 ***
1.62 ***
-0.5226 ***
16. ***
1610.00
85.00

BRZ-10

LINE <i>Amzoria County</i> TAPE NO.										
PROJ. NO. <i>40104</i>					PAGE <i>1</i> OF <i>21</i>					
ST 0		ST 1		ST 2		ST 3				
DATA		YR. MO. DY		ZONE		INST. NO.		CODE		
4 0										
ST 4					ST 5					
ROD NO. 1					CODE		ROD NO. 2		CODE	
ST 6		ST 7		ST 8		ST 9		IC		
OBSERVER		TIME		LEVEL CONST		C/F		UNITS STATION		
						F		B		
0 - WRITE ON TAPE - 9					BLOCK - R					
ST 0		ST 1		DESIGNATION						
DATA		FROM:		<i>BRZ - 11</i>						
4 1		0 0 1 9								
		ST 2		DESIGNATION						
		TO:		<i>BRZ - 12</i>						
		0 0 2 0								
ST 3		ST 4		ST 5		ST 6		ST 7		
TIME		TEMP		WIND		SUN		DATE		
1 5 0 0		8 2		2 2		2 8		4 0 6 2 9		
0 - WRITE ON TAPE - 7					f - CLEAR ST SIGN 9					
ELEV. DIFF.					RCL 7 IKM. RCL NO. RCL 0					
- 1 2 6 8 1 5					1 5 2 1 8					
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK		
DATA		TIME		TEMP WIND		SUN		OBS. REC.		
4 1		1 5 5 5		8 2 2 2		R H		R W		
0 - WRITE ON TAPE - 4										
REMARKS					REMARKS					

BRZ-11

8406291500.	
82.00	
1.00	***
1800190020.	***
166.58	***
189.50	***
153.40	***
177.00	***
744.89	***
758.08	***
-0.01	***
-1.36	***
2.00	***
1800190020.	***
157.53	***
180.50	***
177.71	***
200.20	***
769.21	***
749.03	***
-0.01	***
-0.40	***
3.00	***
1800190020.	***
141.10	***
164.80	***
139.03	***
162.50	***
730.53	***
732.60	***
-0.01	***
0.06	***
4.00	***
1800190020.	***
147.58	***
171.00	***
123.10	***
146.80	***
714.60	***
739.07	***
0.00	***
-0.50	***
5.00	***
1800190020.	***
139.89	***
161.80	***
119.85	***
142.50	***
711.34	***
731.39	***
-0.01	***
-1.98	***

5.00	***
1800190020.	***
134.14	***
157.40	***
142.24	***
165.50	***
733.74	***
725.63	***
0.00	***
-1.98	***
7.00	***
1800190020.	***
143.31	***
166.40	***
138.77	***
161.50	***
730.26	***
734.82	***
-0.02	***
-1.26	***
8.00	***
1800190020.	***
138.01	***
161.00	***
148.57	***
171.10	***
740.07	***
729.51	***
-0.02	***
-0.34	***
9.00	***
1800190020.	***
138.16	***
161.50	***
143.74	***
166.40	***
735.23	***
729.63	***
0.00	***
1.02	***
10.00	***
1800190020.	***
138.65	***
161.40	***
141.61	***
164.60	***
733.12	***
730.16	***
0.00	***
0.54	***

11.00	***
1800190020.	***
131.07	***
154.40	***
152.20	***
175.50	***
743.72	***
722.56	***
0.03	***
0.60	***
12.00	***
1800190020.	***
149.06	***
173.00	***
148.61	***
172.00	***
740.12	***
740.57	***
0.03	***
1.70	***
13.00	***
1800190020.	***
126.60	***
149.60	***
152.35	***
176.10	***
743.84	***
718.10	***
0.02	***
0.20	***
14.00	***
1800190020.	***
127.80	***
151.40	***
172.00	***
195.80	***
763.50	***
719.30	***
0.02	***
-0.20	***
15.00	***
1800190020.	***
88.86	***
111.90	***
217.04	***
240.40	***
808.54	***
680.36	***
0.02	***
-0.04	***

1800190020. ***
172.97 ***
196.00 ***
80.80 ***
103.50 ***
672.30 ***
764.47 ***
0.02 ***
-0.18 ***

17.00 ***
1800190020. ***
141.03 ***
145.80 ***
128.91 ***
133.10 ***
720.41 ***
732.53 ***
0.02 ***
0.98 ***

18.00 ***
1800190020. ***
171.92 ***
176.40 ***
201.14 ***
206.60 ***
792.64 ***
763.43 ***
0.01 ***
-0.98 ***

1555.00
82.00
759.00 ***
760.06 ***
-126.81 ***
-126.82 ***
1.52 ***
-1.2682 ***

16. ***

1555.00
82.00

BRZ-12

GEODETIC LEVELING

LINE		Arzoria County		TAPE NO.	
PROJ. NO.		4064		PAGE 2 OF 21	
ST 0	ST 1	ST 2	ST 3		
DATA	YR. MO. DY.	ZONE	INST. NO.	CODE	
40					
ST 4			ST 5		
ROD NO. 1			ROD NO. 2		
CODE			CODE		
ST 6	ST 7	ST 8	ST 9	C	
OBSERVER	TIME	LEVEL CONST	C/F	UNTS	STAD
			F		B
O - WRITE ON TAPE - 9			BLOCK		
ST 0	ST 1	DESIGNATION			
DATA	FROM:	BRZ - 12			
41	0020				
	ST 2	DESIGNATION			
	TO:	BRZ - 11			
	0019				
ST 3	ST 4	ST 5	ST 6	ST 7	BLOCK
TIME	TEMP	WIND	SUN	DATE	
1300	85	22	2	840630	
O - WRITE ON TAPE - 7 f-CLEAR ST SIGN 9					
ELEV. DIFF. RCL 7 IKM. RCL INO. RCL 0					
+1.26885 1.5218					
ST 0	ST 1	ST 2 - ST 3	ST 4	BLOCK	
DATA	TIME	TEMP	WIND	SUN	OBS. REC.
41	1400	85	22	AM	AM
O - WRITE ON TAPE - 4					
REMARKS			REMARKS		

BRZ-12

8406301300.
85.00

1.00 ***

1800200019. ***

196.10 ***

201.70 ***

174.25 ***

179.20 ***

765.75 ***

787.59 ***

0.01 ***

1.30 ***

2.00 ***

1800200019. ***

110.66 ***

115.10 ***

119.06 ***

123.60 ***

710.56 ***

702.14 ***

0.03 ***

1.10 ***

3.00 ***

1800200019. ***

81.23 ***

104.40 ***

175.06 ***

199.00 ***

766.56 ***

672.72 ***

0.04 ***

-0.44 ***

4.00 ***

1800200019. ***

221.44 ***

244.90 ***

88.61 ***

111.40 ***

680.12 ***

812.94 ***

0.05 ***

0.90 ***

5.00 ***

1800200019. ***

172.07 ***

195.70 ***

124.17 ***

148.50 ***

715.67 ***

763.56 ***

1800200019. ***

141.30 ***

165.10 ***

121.23 ***

144.70 ***

712.73 ***

732.80 ***

0.06 ***

0.16 ***

7.00 ***

1800200019. ***

148.80 ***

172.00 ***

153.77 ***

177.00 ***

745.27 ***

740.30 ***

0.06 ***

0.10 ***

8.00 ***

1800200019. ***

156.10 ***

179.50 ***

126.10 ***

149.50 ***

717.60 ***

747.60 ***

0.06 ***

0.10 ***

9.00 ***

1800200019. ***

137.10 ***

160.60 ***

135.61 ***

158.40 ***

727.11 ***

728.60 ***

0.06 ***

1.52 ***

10.00 ***

1800200019. ***

143.23 ***

166.50 ***

126.30 ***

149.10 ***

717.81 ***

734.73 ***

0.07 ***

2.45 ***

1800200019. ***

134.21 ***

156.90 ***

136.88 ***

159.00 ***

728.38 ***

725.71 ***

0.07 ***

3.60 ***

12.00 ***

1800200019. ***

139.71 ***

162.30 ***

139.40 ***

162.60 ***

730.90 ***

731.21 ***

0.07 ***

2.38 ***

13.00 ***

1800200019. ***

145.33 ***

168.30 ***

158.45 ***

181.90 ***

749.95 ***

736.83 ***

0.07 ***

1.42 ***

14.00 ***

1800200019. ***

136.90 ***

159.30 ***

144.78 ***

167.10 ***

736.27 ***

728.40 ***

0.06 ***

1.58 ***

15.00 ***

1800200019. ***

131.75 ***

154.90 ***

149.56 ***

173.00 ***

741.06 ***

723.25 ***

0.06 ***

1.00 ***

16.00 ***

1800200019. ***

151.17 ***

174.50 ***

152.42 ***

175.90 ***

743.92 ***

742.67 ***

0.06 ***

1000000000.00 ***

175.25 ***

198.10 ***

162.01 ***

185.50 ***

753.50 ***

766.73 ***

0.07 ***

-0.58 ***

18.00 ***

1800200019. ***

156.57 ***

179.60 ***

164.34 ***

188.00 ***

755.84 ***

748.07 ***

0.07 ***

-1.84 ***

760.96 ***

762.80 ***

126.92 ***

126.85 ***

1.52 ***

1.2689 ***

16. ***

1400.00

85.00

BRZ-11

GEODETIC LEVELING

LINE										Brazoria County										TAPE NO.																			
PROJ. NO.										4064										PAGE 1 OF 22																			
ST 0 DATA					ST 1 YR. MO. DY.					ST 2 ZONE					ST 3 INST. NO.					CODE																			
40																																							
ST 4 ROD NO. 1										CODE										ST 5 ROD NO. 2										CODE									
ST 6 OBSERVER					ST 7 TIME					ST 8 LEVEL CONST					ST 9 C/F UNITS					IC STAD C/F																			
															F					B																			
0 - WRITE ON TAPE - 9										BLOCK										- R																			
ST 0 DATA					ST 1 FROM:					DESIGNATION																													
41					00Z0					BRZ-12																													
					ST 2 TO:					DESIGNATION																													
					00Z1					A-1208																													
ST 3 TIME					ST 4 TEMP					ST 5 WIND					ST 6 SUN					ST 7 DATE					BLOCK														
1600					82					22					840					629																			
0 - WRITE ON TAPE - 7										f-CLEAR										ST ^{CHD} _{SIG} 9																			
ELEV. OFF.										RCL 7										KM. RCL • INQ. RCL 0																			
+3•47900										084										10																			
ST 0 DATA					ST 1 TIME					ST 2-ST 3 TEMP WIND SUN					ST 4 OBS.					BLOCK REC.																			
41					1700					85					22					RH RW																			
0 - WRITE ON TAPE - 4																																							
REMARKS																				REMARKS																			

BRZ:12

8406291600.
 82.00
 1.00 ***
 1800200021. ***
 144.59 ***
 121.40 ***
 121.23 ***
 144.00 ***
 712.73 ***
 736.09 ***
 0.00 ***
 0.84 ***
 2.00 ***
 1800200021. ***
 142.58 ***
 164.90 ***
 140.25 ***
 163.00 ***
 731.76 ***
 734.08 ***
 0.01 ***
 -0.02 ***
 3.00 ***
 1800200021. ***
 122.09 ***
 145.30 ***
 148.90 ***
 171.50 ***
 740.40 ***
 713.59 ***
 0.01 ***
 1.20 ***
 4.00 ***
 1800200021. ***
 157.53 ***
 180.00 ***
 132.59 ***
 155.00 ***
 724.09 ***
 749.03 ***
 0.01 ***
 1.32 ***
 5.00 ***
 1800200021. ***
 297.61 ***
 285.40 ***
 78.97 ***
 66.70 ***
 670.47 ***
 889.11 ***
 0.01 ***
 1.20 ***

6.00 ***
 1800200021. ***
 175.02 ***
 199.80 ***
 149.28 ***
 172.70 ***
 740.78 ***
 768.32 ***
 0.01 ***
 0.32 ***
 7.00 ***
 1800200021. ***
 163.40 ***
 186.10 ***
 149.93 ***
 172.70 ***
 741.43 ***
 754.90 ***
 0.01 ***
 0.18 ***
 8.00 ***
 1800200021. ***
 167.57 ***
 190.50 ***
 135.38 ***
 158.60 ***
 726.88 ***
 759.06 ***
 0.02 ***
 -0.40 ***
 9.00 ***
 1800200021. ***
 171.43 ***
 194.50 ***
 137.20 ***
 161.00 ***
 728.70 ***
 762.93 ***
 0.02 ***
 -1.86 ***
 10.00 ***
 1800200021. ***
 170.37 ***
 186.10 ***
 172.35 ***
 187.40 ***
 763.85 ***
 761.87 ***
 0.02 ***
 -0.50 ***
 421.62 ***
 422.12 ***
 347.91 ***
 347.99 ***
 0.04 ***
 5.4750 ***

16. ***

1700.00
 85.00
 8406291700.
 85.00

A-1208

GEODETIC LEVELING

LINE	Brazoria County										TAPE NO.																							
PROJ. NO.	4064										PAGE	2 OF 22																						
ST 0 DATA	ST 1 YR. MO. DY.					ST 2 ZONE					ST 3 INST. NO.					CODE																		
3 4 0 1																																		
ST 4 ROD NO. 1										CODE					ST 5 ROD NO. 2										CODE									
ST 6 OBSERVER					ST 7 TIME					ST 8 LEVEL CONST					ST 9 C/F UNITS					ST 10 STAD					C F									
0 - WRITE ON TAPE - 9										BLOCK										- - -														
ST 0 DATA					ST 1 FROM:					DESIGNATION																								
3 4 1 1					0 0 2 1					A-1208																								
					ST 2 TO:					DESIGNATION																								
					0 0 2 0					BRZ-12																								
ST 3 TIME					ST 4 TEMP					ST 5 WIND					ST 6 SUN					ST 7 DATE					BLOCK									
1 2 0 0					8 4					2 2					8 4					0 6 2 9														
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9														
ELEV. DIFF.										RCL 7										IKM. RCL										NO. RCL 0				
- 3										4 8 1 0 5										0 8 4 1 0														
ST 0 DATA					ST 1 TIME					ST 2 - ST 3 TEMP WIND SUN					ST 4 OBS.					ST 5 REC.					BLOCK									
3 4 1 1					1 3 0 0					8 5 2 2					A H					A. 11														
0 - WRITE ON TAPE - 4																																		
REMARKS												REMARKS																						

A1208

1.00	***
1800210020.	***
169.73	***
184.50	***
167.79	***
183.00	***
759.29	***
761.23	***
0.00	***
-0.88	***
2.00	***
1800210020.	***
138.70	***
162.10	***
173.02	***
196.50	***
764.52	***
730.20	***
0.00	***
-1.04	***
3.00	***
1800210020.	***
137.23	***
160.80	***
169.36	***
192.40	***
760.86	***
728.76	***
-0.03	***
0.02	***
4.00	***
1800210020.	***
148.49	***
171.50	***
161.97	***
184.50	***
753.47	***
739.99	***
-0.03	***
0.98	***
5.00	***
1800210020.	***
145.72	***
168.80	***
168.03	***
191.90	***
759.52	***
737.24	***
-0.06	***
-3.00	***

65.85	***
76.30	***
285.67	***
296.10	***
877.16	***
657.35	***
-0.07	***
-0.56	***
7.00	***
1800210020.	***
129.33	***
152.50	***
151.50	***
173.70	***
743.01	***
720.84	***
-0.07	***
1.38	***
8.00	***
1800210020.	***
150.91	***
173.00	***
132.74	***
155.00	***
724.25	***
742.40	***
-0.05	***
1.04	***
9.00	***
1800210020.	***
150.34	***
172.70	***
148.86	***
170.50	***
740.37	***
741.83	***
-0.03	***
2.48	***
10.00	***
1800210020.	***
114.50	***
91.10	***
139.98	***
116.10	***
731.48	***
706.00	***
-0.03	***
1.52	***

-10.00	***
417.08	***
-348.12	***
-348.09	***
0.84	***
-3.4811	***
16.	***
1300.00	
85.00	

BR2-12

GEODETIC LEVELING

LINE		Brazoria County										TAPE NO.	
PROJ. NO.		40164										PAGE 1 OF 23	
ST 0		ST 1				ST 2		ST 3					
DATA		YR. MO. DY.				ZONE		INST. NO.				CODE	
40													
ST 4						ST 5							
ROD NO. 1						CODE		ROD NO. 2				CODE	
ST 6		ST 7		ST 8		ST 9						C	
OBSERVER		TIME		LEVEL		CONST		C/F		UNTESTED		F	
								F				B	
0 - WRITE ON TAPE - 9										BLOCK		-	
ST 0		ST 1		DESIGNATION									
DATA		FROM:		A-1208									
41		0021											
		ST 2		DESIGNATION									
		TO:		Liverpool (1931)									
		0001											
ST 3		ST 4		ST 5		ST 6		ST 7				BLOCK	
TIME		TEMP		WIND		SUN		DATE				-	
11700		185		22		22		840629					
0 - WRITE ON TAPE - 7										f-CLEAR		ST SIGN 9	
ELEV. DIFF.										RCL 7		KM. RCL - NO. RCL 0	
-2067240										1122		14	
ST 0		ST 1		ST 2 - ST 3		ST 4						BLOCK	
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.	
341		1820		185		22		2		RM		RM	
0 - WRITE ON TAPE - 4													
REMARKS												REMARKS	

A-1208

8406291700.
 85.00
 1.00 ***
 1800210001. ***
 185.38 ***
 208.30 ***
 155.54 ***
 178.60 ***
 747.04 ***
 776.88 ***
 0.00 ***
 -0.28 ***
 2.00 ***
 1800210022. ***
 155.28 ***
 178.00 ***
 169.39 ***
 191.60 ***
 760.89 ***
 746.76 ***
 0.02 ***
 0.74 ***
 3.00 ***
 1800210022. ***
 147.13 ***
 169.30 ***
 165.43 ***
 187.60 ***
 756.93 ***
 738.64 ***
 0.01 ***
 0.74 ***
 4.00 ***
 1800210022. ***
 151.06 ***
 173.50 ***
 152.78 ***
 175.00 ***
 744.28 ***
 742.56 ***
 0.01 ***
 1.18 ***
 5.00 ***
 1800210022. ***
 121.37 ***
 144.00 ***
 170.44 ***
 192.80 ***
 761.94 ***
 712.87 ***
 0.01 ***
 1.72 ***

1800210001. ***
 138.49 ***
 161.00 ***
 167.49 ***
 190.00 ***
 758.99 ***
 729.99 ***
 0.01 ***
 1.72 ***
 7.00 ***
 1800210022. ***
 153.60 ***
 175.70 ***
 166.41 ***
 188.90 ***
 757.91 ***
 745.10 ***
 0.01 ***
 0.94 ***
 8.00 ***
 1800210022. ***
 151.35 ***
 173.60 ***
 161.92 ***
 183.70 ***
 753.42 ***
 742.85 ***
 0.01 ***
 1.88 ***
 9.00 ***
 1800210022. ***
 145.80 ***
 167.10 ***
 159.62 ***
 181.50 ***
 751.12 ***
 737.30 ***
 0.01 ***
 0.72 ***
 10.00 ***
 1800210022. ***
 148.61 ***
 170.90 ***
 154.89 ***
 176.60 ***
 746.38 ***
 740.13 ***

156.76 ***
 179.00 ***
 162.31 ***
 184.70 ***
 755.80 ***
 746.22 ***
 1.21 ***
 1.38 ***
 12.00 ***
 1800210022. ***
 159.26 ***
 182.50 ***
 184.49 ***
 206.90 ***
 776.00 ***
 750.76 ***
 0.02 ***
 3.04 ***
 13.00 ***
 1800210022. ***
 59.31 ***
 77.60 ***
 168.40 ***
 186.80 ***
 759.89 ***
 650.77 ***
 0.05 ***
 2.82 ***
 14.00 ***
 1800210022. ***
 118.21 ***
 136.30 ***
 119.72 ***
 137.80 ***
 711.21 ***
 709.71 ***
 0.04 ***
 2.84 ***
 610.18 ***
 607.34 ***
 -267.22 ***
 -267.26 ***
 1.22 ***
 -2.6724 ***
 16. ***
 1820.00
 85.00

LIVER POOL
 1931

GEODETIC LEVELING

LINE <i>Brazoria County</i>										TAPE NO.																													
PROJ. NO. <i>4064</i>										PAGE <i>2</i> OF <i>23</i>																													
ST 0		ST 1		ST 2		ST 3																																	
DATA		YR. MO. DY.		ZONE		INST. NO.		CODE																															
40																																							
ST 4						ST 5																																	
ROD NO. 1						CODE						ROD NO. 2						CODE																					
ST 6				ST 7				ST 8				ST 9				IC																							
OBSERVER				TIME				LEVEL				CONST				C/F UNITS				STAD				IF															
0 - WRITE ON TAPE - 9										BLOCK										-										R									
ST 0		ST 1		DESIGNATION																																			
DATA		FROM:		<i>Liverpool (1931)</i>																																			
41		0001																																					
		ST 2		DESIGNATION																																			
		TO:		<i>A-1208</i>																																			
		0021																																					
		ST 3		ST 4		ST 5		ST 6		ST 7		BLOCK																											
		TIME		TEMP		WIND		SUN		DATE																													
		1100		85		Z		Z		840630																													
0 - WRITE ON TAPE - 7										f-CLEAR										ST SIGN 9										1									
ELEV. OFF.										RCL 7										IKM. RCL										NO. RCL 0									
										+2067110										121										4									
ST 0		ST 1		ST 2 - ST 3		ST 4		BLOCK																															
DATA		TIME		TEMP		WIND		SUN		OBS.		REC.																											
341		1220		85		Z		Z		RM		RM																											
0 - WRITE ON TAPE - 4																																							
REMARKS																				REMARKS																			

LIVER POOL

8406301100.
85.00

1.00 ***
1800010021. ***
118.30 ***
136.40 ***
122.36 ***
140.50 ***
713.85 ***
709.82 ***
-0.03 ***
-0.08 ***

2.00 ***
1800010021. ***
165.97 ***
183.90 ***
51.33 ***
69.30 ***
642.83 ***
757.46 ***
-0.02 ***
-0.16 ***

3.00 ***
1800010021. ***
182.53 ***
204.80 ***
157.39 ***
180.30 ***
748.88 ***
774.04 ***
-0.04 ***
-1.44 ***

4.00 ***
1800010021. ***
157.93 ***
180.00 ***
152.37 ***
174.80 ***
743.88 ***
749.44 ***
-0.04 ***
-2.16 ***

5.00 ***
1800010021. ***
154.93 ***
177.00 ***
148.66 ***
170.30 ***
740.16 ***
746.44 ***
-0.05 ***
-1.38 ***

148.72 ***
170.30 ***
740.22 ***
754.05 ***
-0.03 ***
-1.20 ***

7.00 ***
1800010021. ***
163.17 ***
185.50 ***
152.63 ***
174.90 ***
744.13 ***
754.67 ***
-0.03 ***
-1.08 ***

8.00 ***
1800010021. ***
168.01 ***
191.10 ***
155.17 ***
177.40 ***
746.68 ***
759.52 ***
-0.03 ***
0.64 ***

9.00 ***
1800010021. ***
174.25 ***
197.00 ***
145.31 ***
168.00 ***
736.80 ***
765.75 ***
-0.04 ***
0.76 ***

10.00 ***
1800010021. ***
177.56 ***
199.80 ***
128.52 ***
150.80 ***
720.01 ***
769.04 ***
-0.03 ***
0.68 ***

11.00 ***
1800010021. ***
158.66 ***
181.00 ***
156.97 ***
178.50 ***
748.46 ***
730.16 ***
-0.04 ***
-1.38 ***

12.00 ***
1800010021. ***
167.65 ***
189.90 ***
149.40 ***
171.10 ***
740.89 ***
759.16 ***
-0.06 ***
3.40 ***

13.00 ***
1800010021. ***
169.96 ***
191.60 ***
155.74 ***
178.00 ***
747.24 ***
761.43 ***
-0.03 ***
2.16 ***

14.00 ***
1800010021. ***
156.03 ***
179.40 ***
185.87 ***
208.50 ***
777.34 ***
747.53 ***
-0.06 ***
3.64 ***

15.00 ***
1800010021. ***
608.16 ***
604.52 ***
267.08 ***
267.14 ***
1.21 ***
2.6711 ***
16. ***

1220.00
85.00

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