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INVESTIGATION OF THE GEOKINETICS HORIZONTAL IN SITU OIL SHALE
RETORTING PROCESS

Quarterly Report, July-September 1980

By
David L. Hutchinson

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Geokinetics Inc.
Concord, California

U. S. DEPARTMENT OF ENERGY

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INVESTIGATION OF THE GEOKINETICS
HORIZONTAL IN SITU OIL SHALE
RETORTING PROCESS

QUARTERLY REPORT
JULY, AUGUST, SEPTEMBER 1980

by
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Date Published - November 1980

PREPARED FOR THE UNITED STATES DEPARTMENT OF ENERGY
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INTRODUCTION

The Geokinetics In Situ Oil Shale Project is a cooperative venture between Geokinetics Inc. and the U. S. Department of Energy. The project is governed by DOE Cooperative Agreement #DE-FC20-78LC10787. The objective is to develop an in situ process for recovering shale oil using a fire front moving in a horizontal direction. The project is being conducted at a field site, Kamp Kerogen, located 70 miles south of Vernal, Utah, on Section 2, Range 22 East, Township 14 South, Uintah County, Utah.

The process is true in situ extraction of oil from oil shale. The oil shale is fractured by means of explosives placed in blastholes drilled from the surface. After a specific area has been fractured, creating an in situ retort, air injection holes are drilled at one end and off-gas recovery holes are drilled at the other. The oil shale is ignited at the air injection wells, and air is continually injected to establish and maintain a burning front. The front is moved in a horizontal direction through the fractured rock. The burning front heats the oil shale, driving out the shale oil which drains to the bottom of the retort where it is recovered through oil production wells. As retorting progresses from the air in to the air out wells, the residual coke serves as the primary fuel source to sustain the moving burn front. The combustion gases are recovered at the off-gas wells.

SUMMARY

Geokinetics Inc. (GKI) successfully blasted Retort #25 in July. The retort is GKI's second prototype full-sized retort, measuring 220 feet by 220 feet by 30 feet. Initiation round heave was greater than planned, but more symmetrical and uniform than Retort #24 (the first prototype full-sized retort).

Drilling for the Retort #25 post-blast core sampling program began in August and continued throughout the quarter. Four post-blast core holes were completed in September. Good breakage in the lower portion of the retort is indicated by these holes. Seven post-blast core holes are planned for the program, with an eighth hole optional.

Preparations for the ignition of Retort #24 neared completion in September. Re-entry drilling on the retort was completed during the quarter. Eight air-in wells, 16 air-out wells, 6 production wells, 6 observation wells and 57 instrument wells were drilled. The scale-up necessary for Retort #24 had been accomplished with the installation of more powerful generating facilities and the completion of testing of a new high capacity retort electrical system; a new and much larger evaporation pond was permitted and constructed; and the biggest, most extensive retort process facilities utilized to date were designed, built and assembled. Surface equipment was in place on the retort and instrumentation was ready for installation. At the end of the quarter, 6,130 barrels of shale oil remained in storage at the Kamp Kerogen tank battery; this oil must be removed prior to the ignition of Retort #24 to provide storage for Retort #24 oil production.

GKI received notice of the Utah Air Conservation Committee's intent to issue an air quality approval order for the research planned through 1982. Final approval is expected after a 30-day public comment period which began on September 30, 1980. The application for a Prevention of Significant Deterioration (PSD) permit from the U. S. Environmental Protection Agency (EPA) is still pending approval. Final approvals from the Utah Air Conservation Committee (air quality approval order) and EPA (PSD permit) must be issued before Retort #24 can be ignited; these are expected in November.

Drilling for the EPA-DOE/LETC post-burn core sampling program was completed during the quarter. More than 1,625 feet of core was recovered from Retorts #16 and #17 under the supervision of DOE scientists from Laramie. The objective of the program was to obtain and evaluate representative post-burn core samples from a horizontal retort constructed and operated in Green River Formation oil shale.

Approval to inject effluent water into the Mesa Verde Formation through a deep well (Underground Injection Control) was obtained after a hearing before the Utah Board of Oil, Gas and Mining.

GKI applied for and received approval from the Utah Department of Health to construct a new 1-1/2 acre evaporation pond. Earth work for the pond was completed in September. Completion of the pond will entail the installation of the pond liner, placement of a depth gauge in the pond and drilling of eight monitoring wells around the pond.

GKI representatives met with Ralph Franklin, Art Hartstein and other members of the DOE Oil Shale Task Force to plan for technical and financial assistance during the environmental research program. Preliminary arrangements were made for Task Force participation in (1) the characterization and measurement of fugitive emissions from retort surfaces, (2) land reclamation activities, (3) the development of an employee health monitoring program, and (4) the pilot operation of a deep well injection system for retort water disposal.

Tests of a newly-developed down-hole vibro-rotary hammer designed for drilling in formations such as oil shale were conducted at the field site in August. Significant improvements over conventional blasthole drilling methods were achieved. Drilling penetration rates were increased by 35 percent in these initial tests, the first tests of such a hammer. The hammer is manufactured by the Bassinger Tool Company.

U. S. patent #4,223,734 entitled "Process of Breaking and Rendering Permeable a Subterranean Rock Mass" was issued to inventor Mitchell A. Lekas and assigned to Geokinetics Inc. The patent discloses various methods of creating horizontal fractures in oil shale by means of hydrofrac techniques that are subsequently utilized in creating a rubble zone by means of explosives.

STATUS OF MAJOR TASKS AND SIGNIFICANT ACCOMPLISHMENTS

SITE PREPARATION:

Target holes on Retort #25 were drilled in July and target poles were grouted in place in preparation for blasting the retort. Sandia National Laboratories set up targets for high-speed photography of target movement to determine overburden uplift during the blast. Retort locations are shown in Figure 1.

Pre-blast and post-blast topographic surveys as well as pre-blast and post-blast flag hole line surveys of Retort #25 were conducted. The pre-blast and post-blast comparisons were illustrated on plan maps. Please refer to Drilling and Blasting for additional information.

A map illustrating major fracture zones and fracture patterns on Retort #25 was developed from the plane table survey. The map will expedite surface fracture sealing operations and identification of any anomalous surface features resulting from the blast. Topsoil was removed from Retort #25 in preparation for sealing surface fractures with bentonite.

Locations for five angled core holes and three vertical core holes were staked for the Retort #25 post-blast core sampling program. Additional information is included under Post-Blast and Post-Burn Examinations.

Retort #24 re-entry air, production and observation well locations were surveyed during the quarter. The locations of these wells are shown in Figure 2.

The locations of 12 water monitoring wells surrounding Retort #24 were staked for drilling. The wells will enable the monitoring of water quality in and below the Mahogany Zone during the burn of Retort #24. Please refer to Environmental Research for more information.

Four additional survey control points were emplaced near Retorts #24 and #25 in September. These control points will facilitate surveying and improve accuracy in mapping future development.

Final design work for the new 1-1/2 acre evaporation pond was performed. The corners of the pond were surveyed in and a topographic survey was conducted. A final plan map was drafted for inclusion in the evaporation pond construction permit applications. Earthwork (bed construction) began and was completed in September. The location of the new evaporation pond is shown in Figure 1.

Locations for additional post-burn core holes were staked on Retort #17 in July for drilling under the EPA-DOE/LETC post-burn core sampling program. Locations of all post-burn core holes on Retorts #16 and #17 were surveyed in August. Post-burn core holes on Retort #16 are shown in Figure 3 and those on Retort #17 are shown in Figure 4. Please refer to Separate Experiments for additional details on the post-burn core sampling program.

Marker stakes were placed and levels run for the new leach field for the Kamp Kerogen sewage disposal system. A contractor began digging trenches for the improved system. Construction of the new leach field was 40 percent complete at the end of the quarter. The new leach field will replace the existing one and provide increased sewage disposal capacity.

Additional surveying was performed in September in order to revise and update existing maps of development on Section 2.

DRILLING AND BLASTING:

Retort #25 was successfully shot on July 18, 1980. The retort is GKI's second prototype full-sized retort, measuring 220 feet by 220 feet by 30 feet. IRECO Chemical loaded 96,757 pounds of IREGEL 674 and 62,060 pounds of IREGEL 704 slurry explosives into the retort, a total of 79.4 tons of explosives. GKI personnel assisted in loading and stemming the blastholes. Post-shot surface displacement was determined by comparing pre-blast and post-blast topographic surveys; a maximum permanent heave of 13.1 feet resulted from the blast.

Representatives of DOE/LETC, Sandia National Laboratories and IRECO Chemical met with GKI to discuss the shot results. The Retort #25 initiation round heaved similarly to Retort #24, with the Retort #25 heave being much more symmetrical and uniform. The Retort #25 post-blast heave contours are shown in Figure 5. Retort #24 post-blast heave contours are shown in Figure 6 for comparison. Retort #25 has the same dimensions as Retort #24, with an additional ten feet of overburden.

Both retorts experienced greater uplift of the initiation round than planned, which resulted in more fracturing than anticipated.

As a result of this uplift, fugitive emissions from these retorts will not be typical of future commercial in situ retorts. Nonetheless, Retorts #24 and #25 will provide the opportunity to study and characterize potential fugitive emissions from these

retorts while process research continues. GKI is working on improving blasting techniques to reduce surface flex and maintain overburden integrity. Reduction of the explosive load in the initiation round will reduce the tendency to fracture at this location. A number of design changes are being investigated that will reduce overburden fracturing.

GKI plans to burn an existing small, low void retort (Retort #13) in 1981; this retort has lower permeability in the retorting zone but minimal communication to the surface through fractures. The Retort #13 burn will provide comparative fugitive emissions data for a retort with minimal surface fracturing. The prospects for low void retorting will also be determined by this retort burn.

A newly-developed down-hole vibro-rotary drilling hammer designed for use in formations such as oil shale was tested at the field site in August. Initial results indicate significant improvements over conventional blasthole drilling methods were achieved. Drilling penetration rates were increased by 35 percent using the hammer, even though air compressor capabilities were insufficient to give the hammer a complete test. This was the first time such a hammer has been tested. Bert Hartmann (Hartmann Engineering, Grand Junction, Colorado), Greg Bassinger (Bassinger Tool) and Rich Baker (Grimmer-Schmidt compressors) supervised the performance tests of the new hammer.

RE-ENTRY DRILLING:

Re-entry drilling on Retort #24 was completed during the quarter. A total of 8 air-in wells, 16 air-out wells, 6 production wells, 6 observation wells and 57 instrument (thermocouple) wells were drilled. Retort #24 re-entry air, production and observation well locations are shown in Figure 2. Re-entry instrument well locations on the retort are shown in Figure 7.

During this quarter, 12 air-out (AO) wells, 2 production (PW) wells and 5 observation (OB) wells were drilled with the Chicago Pneumatic CP-C650 drill rig. These 8-inch diameter holes were cased with 6-5/8 inch outside diameter (O.D.) thickwall steel casing. The well designations and their respective depths are as follows:

3RD QUARTER RE-ENTRY DRILLING - RETORT #24

<u>Well Designation</u>	<u>Total Depth (feet)</u>
AO- 1	82.9
AO- 2	82.0
AO- 3	79.6
AO- 4	80.1
AO- 5	78.9
AO- 6	74.8
AO- 7	75.2
AO- 8	73.5
AO-11	93.9
AO-14	91.0
AO-15	89.7
AO-16	86.0
OB- 1	93.0
OB- 3	85.1
OB- 4	102.0
OB- 5	108.1
OB- 6	104.0
PW- 5	110.0
PW- 6	105.3

The 57 instrument wells were drilled using the Gardner-Denver 3200 air-trac drill rig. A total of 4,050 feet was drilled for the three-inch diameter instrument wells.

In addition, twelve hydrologic monitoring wells were drilled surrounding Retort #24. These wells will be used for a water quality monitoring program to be conducted by the Environmental Branch. Please refer to Environmental Research for additional information.

RETORT PROCESS FACILITIES:

Preparation and installation of Retort #24 process equipment continued during the quarter. The retort was nearly ready for ignition at the end of September. The Retort #24 surface facilities layout is shown in Figure 8.

Fabrication and installation of air-in and air-out piping and blower systems were completed. Air will be injected via a 3000 scfm (@ 1.25 psi) 40 horsepower (HP) Peerless centrifugal blower equipped with a standby blower and two 3500 scfm (@ 4 psi) 75 HP Roots positive displacement blowers. The air-out vacuum blower is a 300 HP Roots positive displacement unit capable of 7600 scfm (@ 5 psi). The locations of Retort #24 air-in and air-out wells are shown in Figure 2.

Pump strings were installed in production wells and pumps were set in place. Oil production lines and holding tanks were installed and an oil transfer pump was ordered. The oil recovery system utilizes Jensen walking-beam pump jacks with 7/16-inch diameter and 12-inch stroke, with a maximum capacity of five gallons per minute. The production well locations on Retort #24 are shown in Figure 2.

Pumps on Retort #24 production wells PW-2 and PW-5 were pulled in September to enable Sandia National Laboratories personnel to conduct drypton tracer studies. Additional information on the tracer tests is included under Separate Experiments.

The stemming of all instrumentation wells, air-injection wells, off-gas recovery wells, production wells and observation wells on Retort #24 was completed. All re-entry wells were cleaned out with compressed air to remove drill cuttings and debris. Fluid elevations in Retort #24 were taken intermittently during September. Retort #24 re-entry air, production and observation well locations are shown in Figure 2; instrument well locations are shown in Figure 7.

The installation of Kaowool lining in the Retort #24 afterburner was completed. The afterburner and mist eliminator were moved into place on the retort and hooked into the air-out manifold.

The design of the Retort #24 instrumentation system was finalized in July. The WestAq automatic data recording system successfully used on Retort #18 was scaled-up to handle 204 thermocouple positions in 57 instrument wells on Retort #24. The design also incorporates 29 retort gas sampling pipes. Thermocouple lengths for different horizons in the retort were determined and thermocouple fabrication was completed except for the welding of the grounded junction. A multiplexer was added to the data acquisition system and a number of faulty components were replaced in September. Orifice runs were installed in Retort #24 air-in lines and fittings for installing pressure transducers on the retort were ordered.

Thermocouples in each thermocouple well will be wired into a central panel. A data processor will access each thermocouple and record the retort number, date, time, thermocouple location and temperature in degrees Fahrenheit. The data will be recorded on magnetic tape, printed on paper tape and displayed on a digital meter. The processor can be programmed to record data automatically at prescribed intervals and can be manually accessed to examine data from any or all thermocouples. The system will also record pressure transducer data. Channel capacity can be expanded to handle additional retorts. A schematic representation of the instrumentation system is shown in Figure 9.

The electrical system for Retort #24 was completed and tested after power lines and the transformer were set in place. A roof and screens were built around the Retort #24 transformer.

Retort #18 air-in and air-out blowers were reactivated in July for a post-burn tracer study by DOE/LETC. Additional information on that tracer test is listed under Separate Experiments. The removal of Retort #18 process facilities continued after the tracer test was conducted. Blowers, air-out lines and most air-in equipment were removed. Oil pumps were disconnected and electrical lines to the retort were disconnected. The Retort #18 process facilities layout is illustrated in Figure 11.

Temporary electrical power lines were installed to Retorts #16 and #17 for use in the EPA-DOE/LETC post-burn core sampling program (described in Separate Experiments). Electricity was needed to power blowers for removing retort gases from the bore hole. This eliminated the exposure of core sampling personnel to the gases.

RETORT BURN:

Preparations for burning Retort #24 continued throughout the quarter. No retort burns were in progress.

OIL PRODUCTION AND HANDLING:

No oil was produced during the third quarter. At the end of September, 6,130 barrels of oil remained in storage at the Kamp Kerogen tank battery. This oil must be removed prior to burning Retort #24 to provide storage of Retort #24 oil production.

An additional 3,105 barrels of oil remained in storage at the DOE facility in Rifle, Colorado.

POST-BLAST AND POST-BURN EXAMINATIONS:

Post-burn core drilling for the EPA-DOE/LETC sampling programs continued in July and was completed in August. Please refer to Separate Experiments for additional information.

Drilling for the Retort #25 post-blast core sampling programs began on August 25, 1980. Four post-blast core holes were completed in September. Good breakage in the lower portion of the retort has been indicated. Locations of three additional core holes were staked for drilling; an eighth core hole is optional.

The core holes are situated among blastholes in which taggant markers were placed. The taggants are color coded granular particles placed in packages in certain blastholes with the explosive. The taggants would be carried along with the explosive gases, and indicate the pathways followed by the gases. If taggants are recovered with the cores, they may provide insight to gas movement through the retort during the blast.

Core holes 25D and 25E were completed to depths of 122.5 feet and 125 feet, respectively. Loss of circulation was at 54 feet in core hole 25D and 65.5 feet in core hole 25E.

Core hole 25B was completed to a depth of 134.4 feet. Drill circulation loss occurred at 66 feet, lower than in the previous holes. Extreme breakage was observed in the lower portion of the section, with the upper portion being fractured much less than the upper portions in core holes 25D and 25E.

Core hole 25A was completed to a depth of 142 feet. Loss of circulation or loss of returns occurred at 15 feet. Extreme breakage was noted from a depth of 92 feet (approximately 15 feet below the top of the Mahogany oil shale zone) to a depth of 122 feet. The shale from 119 feet to 122 feet was fractured to such a fine powder that it plugged the drill bit and made it necessary to run N_x-size tools through the N_c-size tools being used.

Core holes 25A, 25B, 25D and 25E were angled holes which were cased with two-inch PVC pipe after coring. This will preserve the core holes so they can be used to obtain natural gamma radiation logs. Core holes 25C, 25F and 25G will be vertical holes which will be cased with two-inch steel casing to enable their use as observation wells. Stratigraphic and breakage sections of each post-blast core hole will be drafted to determine the breakage distribution with respect to blasthole powder columns, rock types and selected marker beds.

SEPARATE EXPERIMENTS:

The EPA-DOE/LETC post-burn core sampling program continued through July and was completed in August. More than 1,625 feet of core was recovered from Retorts #16 and #17 under the supervision of DOE scientists from Laramie. The objective of the program was to obtain and evaluate representative post-burn core samples from a horizontal retort constructed and operated in Green River Formation oil shale. Splits of the cores will be sent to laboratories designated by EPA and analyzed for leachable minerals that could constitute a source of groundwater contamination. In addition to the environmental information, GKI antici-

pates that valuable data related to the retorting process will be derived from the cores. The postburn core hole locations on Retort #16 are shown in Figure 3. The core hole locations on Retort #17 are shown in Figure 4.

A preliminary examination of the Retort #16 cores indicated that the retort can be divided into two major zones, approximately equal in area. It appears that the portion of the retort at the air-in end is burned; the core is light colored with little residual carbon in the thermally affected zone. Core from the air-out end of the retort is retorted but unburned; this core is mostly black, even where there is evidence of high temperature effects.

Representative sections of the recovered core samples from Retort #16 were displayed during a core showing at GKI's Vernal office in July. The following organizations sent representatives to examine the cores: DOE/LETC, Sandia National Laboratories, Lawrence Livermore National Laboratory, Lawrence Berkeley National Laboratory, Los Alamos Scientific Laboratory, Occidental Oil Shale, General Electric-TEMPO, Colorado State University and Steve's Drilling.

A post-burn tracer test was conducted on Retort #18 in July by Fred Turner of DOE/LETC. The purpose of the test was to determine the amount of gas leakage from the retort surface. Helium was injected into Retort #18 air-in wells and measured at the air-out wells to determine the quantity recovered. There was substantial interference from steam in the retort, and test results may not be reliable. The tracer study results are undergoing evaluation at Laramie. Retort #18 air-in and air-out well locations are shown in Figure 10. The surface facilities layout for the retort is shown in Figure 11.

The construction of two above-ground simulated horizontal in situ retorts on Retort #16 continued. Installation of instrumentation for the steel retorts commenced.

Preparations were made for krypton tracer studies to be conducted on Retort #24 by Sandia National Laboratories.

ENVIRONMENTAL RESEARCH:

GKI received notice of the Utah Air Conservation Committee's intent to issue an air quality approval order for the research planned through 1982. Final approval is expected after a 30-day public comment period which began on September 30, 1980.

Approval of the application for a Prevention of Significant Deterioration (PSD) permit from the U. S. Environmental Protection Agency (EPA) is still pending. GKI submitted additional supporting computer modeling data (Valley run) in August. Meteorological data for the project site indicated that the worst case parameters used in the Valley model screening mode do not exist at the field site. Estimates of expected 1980-1982 emissions of nitrogen oxides (NO_x) were revised after additional data on generator emissions was received. GKI believes that the requirements for issuance of a PSD permit have been completed and that approval is forthcoming.

Approval to inject effluent water into the Mesa Verde Formation through a deep well (Underground Injection Control) was obtained after a July hearing before the Utah Board of Oil, Gas and Mining.

Approval to construct the new 1-1/2 acre evaporation pond was received from the Utah Department of Health. The pond bed was constructed in September as detailed in Site Preparation. A representative of the Utah Bureau of Water Quality visited the field site to observe pond construction. The location of the new larger evaporation pond is shown in Figure 1.

The Bureau of Land Management (BLM) approved a right-of-way permit authorizing the continued use of 20 acres adjacent to the north boundary of Section 2. The tank battery and electrical power generation facilities are located on the property.

A Notice of Intention to Commence Mining Operations covering the NW quarter of Section 2 (Retort Research Area #2) was submitted to the Utah Division of Oil, Gas and Mining.

GKI met with Ralph Franklin, Art Hartstein and other members of the Oil Shale Task Force to plan for technical and financial assistance during the environmental research program. Preliminary arrangements were made for Task Force participation in (1) the characterization and measurement of fugitive emissions from retort surfaces, (2) land reclamation activities, (3) the development and implementation of an employee health monitoring program and (4) the pilot operation of a deep well injection system for retort water disposal.

A consulting sanitation engineering firm was hired to inspect the Kamp Kerogen water distribution and sewage disposal systems and design changes to expand the capacity of the systems. The resulting plans and specifications were approved by local health officials pending an inspection of the systems after improvements are incorporated.

The fourth and fifth suites of 1980 native groundwater samples were collected during the quarter for analysis by the GKI Analytical Laboratory. Three samples are collected every other month from wells located at least 200 yards from any retort that has been blasted. This will provide additional data for characterization of native groundwater existing directly above the Mahogany oil shale zone at the project site. Wells to be sampled are chosen randomly from Supplemental Series Wells #1, #2, #4, #10, #12 and #13, and Series II wells #222 and #243. The locations of these wells are shown in Figure 12. The program will provide 18 native groundwater samples in 1980. Series II well #243 and Supplemental Series wells #1 and #13 were sampled in July. The analysis results from those samples and third suite of samples (collected in May) are attached as Appendix A. Supplemental Series wells #2 and #134 and Series II well #222 were sampled in September.

The results of an analysis of a post-blast pre-burn water sample from Retort #24 were received in July. The results are attached as Appendix B. The data will be compared to future samples to be collected during and after the burn of Retort #24.

The "Retort #24 Water Monitoring Program" was completed and is attached as Appendix C. Twelve hydrologic wells for the program were drilled and completed in September, but not in time for collection of the first suite of samples. Sample collection will begin in October. A map showing the locations of the monitoring wells is included in Appendix C.

A monitoring system was designed for the purpose of ensuring that any significant leakage of wastewater from the new evaporation pond into the underlying shallow aquifer is recognized promptly. The plan calls for a fluorescein dye to be introduced to the evaporation pond. Eight monitoring wells (two on each side) will be drilled surrounding the pond. Weekly water samples will be drawn from the wells and analyzed spectrophotometrically for dye traces to detect leakage. The pond level will also be monitored daily to detect any sudden drops in fluid level. The complete text of the leakage monitoring plan entitled "Leakage Monitoring of Evaporation Pond" is attached as Appendix D.

An air quality study entitled "Retort #24 Stack Gas Investigation" was finalized and is attached as Appendix E. The study will be implemented upon ignition of the retort. Objectives of this investigation include the determination of what gas constituents exist at the top of the stack after undergoing incineration and an evaluation of afterburner efficiencies. Effluent exit temperature will be obtained for use in modeling pollutant dispersion.

An air quality study entitled "Retort #24 Process Gas Investigation" was designed and will be implemented when the retort burn begins. The complete text of this study is attached as Appendix F.

The report entitled "Meteorological and Climatological Investigation: Review of the July-December 1979 Investigative Period" was completed during the quarter. The complete text is attached as Appendix G. Work began on the meteorological and climatological report covering the first six months of 1980.

Additional results of the June evaluation of the Retorts #9, #14 and #15 revegetation test plots by vegetation consultant Dr. Erik R. Olgeirson were received in July. Of the 13 species planted, the following species are evidenced: intermediate wheatgrass, bluebunch wheatgrass, pubescent wheatgrass and Indian ricegrass. Other species that have volunteered on the retort sites include annuals such as lambsquarters, cheatgrass and summer cypress. Dr. Olgeirson reported that the germination of species planted on the retorts is acceptable. Annual species are expected to decline as the cover of perennial grasses increases. Revegetation test plots were established on Retorts #9, #14 and #15 in the autumn of 1979. These test areas were seeded according to recommendations made by Dr. Olgeirson, as described in the fourth quarterly report of 1979.

Soil and plant tissue samples from Retorts #14 and #15 were collected by Ed Redente of DOE's Oil Shale Task Force in September. The samples will be analyzed in toxicity level tests. Control samples were also taken.

Bob Ferguson of the U. S. Forest Service (USFC) Shrub Sciences Laboratory visited the field site in mid-September to assess the revegetation test plots on Retorts #5 and #11. These test plots were established in cooperation with USFS to evaluate the survival and growth of 21 species. Species of 14 shrubs, four forbs, two grasses and one tree were established by transplanting container-grown planting stock in April of 1980. A total of 525 shrubs (including the tree species) were planted; 375 small varieties on Retort #11 and 150 larger varieties on Retort #5. Some of the species planted were doing well while others seemed to be competing with Russian Thistle. Mr. Ferguson also reviewed previously seeded areas and made suggestions for future seed species.

A maintenance check of the electrical weather station was performed by WestAq Corporation. The locations of meteorological towers are shown in Figure 13. Routine data collection and maintenance continued through out the quarter.

ANALYTICAL LABORATORY:

Native groundwater sample analyses continued and the laboratory staff prepared equipment for handling samples of Retort #24 process and stack gases, oil and water. Analyses for fugitive emissions will also be performed. Groundwater samples from monitoring wells surrounding Retort #24 and the evaporation pond, as well as native groundwater samples, will be analyzed.

Maintenance and calibration of laboratory equipment was performed to assure quality of measurements. The Hewlett-Packard (H-P) 5830 gas chromatograph sample inlet plumbing was reworked to provide cleaner samples and better temperature control. The H-P 5840A gas chromatograph was returned to H-P in August. The unit was repaired and functioned properly until problems related to generator power fluctuations occurred. Two broken glass columns required repair but there was no lasting damage.

Additional laboratory equipment was ordered to enable improved efficiency. A flame photometric detector (FPD) for the H-P 5840A gas chromatograph will permit the consolidation of four to five separate tests into one test. A capillary column conversion was also ordered; this will provide better resolution for oil analyses.

Analytical methods were reviewed and standardized in preparation for the Retort #24 burn. Planning is ongoing for sampling techniques and schedules. Emphasis will be on data collection and sample analysis, with data interpretation to be performed later due to manpower constraints.

Preparations are underway to computerize data manipulation and evaluation as much as possible. Gas analysis data from Retort #24 will be put on magnetic tape and sent to Lawrence Livermore National Laboratory and Sandia National Laboratories for reduction and evaluation. GKI will also use computer assistance to evaluate data produced in the Analytical Laboratory.

Sample analyses reported during the quarter include six native groundwater sample results (attached as Appendix A) and results of a post-blast pre-ignition groundwater sample (attached as Appendix B).

Laboratory personnel also worked on the Kamp Kerogen Health and Safety Program (refer to Engineering and Administrative) and the revegetation program (refer to Environmental Research for additional information).

PATENTS:

On September 23, 1980, U. S. Patent #4,223,734 entitled "Process of Breaking and Rendering Permeable a Subterranean Rock Mass" was issued to inventor Mitchell A. Lekas, and assigned to Geokinetics Inc. The patent discloses various methods of creating horizontal fractures in oil shale by means of hydrofrac techniques that are subsequently utilized in creating a rubble zone by means of explosives.

The process involves the following steps:

- producing, as by hydrofracing, a substantially horizontal fracture in the subterranean rock mass to be processed;
- emplacing an explosive charge in the mass in spaced juxtaposed position to the fracture;
- enlarging the fracture to create a void space thereat, an initial lifting of the overburden, and to provide a free face juxtaposed to and arranged to cooperate with the emplaced explosive charge; and
- exploding the charge against the free face for fragmenting the rock and to distribute the space, thus providing fractured, pervious, rubbleized rock in an enclosed subterranean chamber.

Firing of the charge provides a further lifting of the overburden, an enlargement of the chamber and a larger void space to distribute throughout the rubbleized rock within the chamber. In some forms of the invention an explosive charge is used to produce a transitory enlargement of the fracture, and the juxtaposed emplaced charge is fired during the critical period of enlargement of the fracture.

KAMP KEROGEN FACILITIES:

Routine maintenance of Kamp facilities continued. Kamp roads were graded in August. The road near Retort #24 was widened.

SUPPORT ACTIVITIES:

The two 750 KW diesel powered electric generators on loan from the Department of Defense (DOD) were received at the field site in July. The units were set up and inspected by DOD representatives. Electrical lines to supply power to Retorts #24 and #25 were installed in a trench from the generators to the transformer location north of Retort #24. Use of high voltage (4160 volt) cable will reduce line loss between the generators and the retorts (a distance of approximately 2,000 feet).

The 75 KW natural gas powered generator was put into service to supply electricity for the project in July. This smaller generator is capable of meeting electrical power requirements when no retorts are in operation and eliminates the need to burn diesel fuel for electrical power generation at those times.

A new carousel (for drill steel) was purchased and installed on the Chicago-Pneumatic CP-C650 drill rig. The device enhances the efficiency and safety of drilling operations with the rig.

Repairs were completed on the crane which was loaned by DOE/LETC. A surplus 15 HP blower was obtained from Laramie; it will be used to feed air into the Retort #24 afterburner. Arrangements were made in July for the loan of two 5,000 gallon water trailers and a tractor to haul the trailers, and for two 650 scfm (@ 250 lbs) air compressors. One of the compressors is truck mounted; the other is skid mounted. Efficiency of drilling and blowing holes will be improved through the use of this equipment.

A new Lincoln field welder was purchased and mounted in a Dodge pick-up on loan from DOE/LETC. A Miller welding unit was sent to Salt Lake City, Utah, for repair. Maintenance was performed on the CP-C650 drill rig. The tanker truck was repaired. Routine equipment maintenance and repair work continued and an improved vehicle maintenance program was implemented.

ENGINEERING AND ADMINISTRATIVE (includes Health and Safety):

The Kamp Kerogen Industrial Health and Safety Program was finalized and ready for implementation. The complete text of the program is attached as Appendix H.

Safety training during the quarter included special four-hour sessions covering machine safeguarding, hazardous materials and flammable liquids. Safety experts from Utah Technical College (UTC) participated in the classes. GKI is utilizing UTC safety consulting under an OSHA-sponsored safety training program. The flammable liquids session was the first of a two-part fire safety series featuring presentations by firemen from Orem, Utah.

Bill Weaver of LETC's safety department and representatives of Los Alamos Scientific Laboratory's health department were invited to the field site in August to assist in the identification of safety and health needs. They will provide input for policy formulation and planning in safety and health programs.

GKI provided a sampling site to the Institute of Gas Technology (IGT) for the collection of a 20-ton sample of Mahogany Zone oil shale. The shale will be used in tests of the IGT "HYTORT". DOE is funding the tests of IGT's hydrogen atmosphere above-ground retorting process. David Matthews of IGT visited the field operation during the sample collection.

Representatives of Plateau, Inc. toured the field site and discussed future cooperation between Plateau and GKI regarding the purchase and refining of shale oil. Paul Liscomb, John Hearn and Lee Snyder of Albuquerque, New Mexico, were accompanied by Lee Woodside and Jeff Utley of Plateau's refinery in Roosevelt, Utah.

Lawrence Livermore Laboratory (LLL) representatives, Clyde Sizemore and Sandy Sandholtz, visited Kamp Kerogen to discuss LLL's interest in assisting the GKI retorting program. LLL could provide data evaluation input by applying various gas and oil analysis techniques to develop indicators of retorting conditions.

The future managerial and technical manpower needs of GKI were discussed during a visit by Bruce Brighton (Technical Programs Director) and others from the Uintah Basin Area Vocational Center.

Mike Breard (Research Analyst for the Dallas, Texas, investment banking firm of Eppler, Guerin & Turner) spent two days at the field site. Mr. Breard is preparing a financial research report on GKI and the GKI retorting process. The report will be distributed to the financial community.

Representatives of Swan Resources (West Perth, Australia) visited Kamp Kerogen to observe the GKI retorting process and discuss possible process applications to oil shale deposits controlled by Swan Resources in western Australia. Managing Director Dr. Jack Keay was accompanied by geologist Brian Breese and economist David Lance on the tour.

Ron Jacobson and Jack Beyeler of Sandia National Laboratories met with GKI representatives to discuss Retort #23 process facilities and instrumentation plans.

Vic Montenyohl of the Occidental Oil Shale, Inc. rock fragmentation group visited Kamp Kerogen to discuss post-blast core recovery techniques successfully utilized by GKI.

Newsman Bill Lord of NBC-affiliate KUTV (Channel 2, Salt Lake City, Utah) toured the research operation and taped an interview with Project Manager James M. Lekas for the "EXTRA" television program.

Herb Lander (U. S. Air Force Aero Propulsion Laboratory) and Abe Schneider and Lyn Scheingold (Sun Oil Company) visited the project site to observe process activities and discuss the production and refining of shale oil. Paul Kydd and Floyd Hall of Hydrocarbon Research met with GKI to discuss the possibility of installing a 2,000 barrel-per-day hydrotreating unit at Kamp Kerogen. A Uintah Basin Association of Governments (UBAG) group and T. S. Koppilla of Cleveland Cliffs also made tours of the field site. UBAG officials obtained material for a presentation on industrial development in the Uintah Basin and discussed potential socio-economic impacts of GKI activity.

Two groups from the Lawrence Berkeley National Laboratory toured the project to learn about the process and retort wastewater disposal methods. They expressed interest in obtaining retort water samples from the evaporation pond.

Arrangements were made to participate with three other oil shale development companies in the Utah Energy Expo '80. Geokinetics, Paraho Development Corporation, TOSCO and White River Shale Project will present an exhibit describing Utah oil shale research activities. Energy Expo '80 is sponsored by the Utah Energy office and will be held October 9-11 at the Fashion Place Mall in Salt Lake City, Utah.

FIGURE 1

GEOKINETICS INC. FIELD SITE

NE SEC. CORNER, SEC. 2, T14S,
R22E, UINTAH COUNTY, UTAH

0 500' 1000'
SCALE

GEOKINETICS INC.

1/6

FIGURE 2

RETORT #24. - AIR, PRODUCTION AND OBSERVATION WELL LOCATIONS

- ⊕ PRODUCTION WELL
- ⊗ OBSERVATION WELL
- ⊙ AIR-IN WELL

GEOKINETICS INC.

KG

Figure 3

Retort #16 Post-Burn Core Hole Locations

PLAN VIEW

O - Proposed post-burn
core holes

RETORT #16
1" scale

FIGURE 4

RETORT #17 - POST-BURN CORE HOLE LOCATIONS

PLAN VIEW

SCALE: 1"=20'

LEGEND

⊙ POSTBURN CORE HOLE

GEOKINETICS INC.

KG

FIGURE 5

RETORT #25 - HEAVE CONTOURS

GEOKINETICS INC.

1/2

FIGURE 6

RETORT #24 - HEAVE CONTOURS

LEGEND

HEAVE CONTOUR

GEOKINETICS INC.

$\frac{1}{6}$

FIGURE 7

RETORT #24 - RE-ENTRY INSTRUMENT (THERMOCOUPLE) WELL LOCATIONS PLAN VIEWLEGEND

△ THERMOCOUPLE WELL

○ PRESSURE WELL

SCALE: 1" = 50'

GEOKINETICS INC.

✍

FIGURE 8

RETORT #24 - SURFACE FACILITIES

SCALE: NONE

FIGURE 9
RETORT #24
INSTRUMENTATION
SCHEMATIC

FIGURE 10

RETORT #18 - RE-ENTRY AIR, PRODUCTION & OBSERVATION WELL LOCATIONS

FIGURE 11

RETORT #18 - REVISED SURFACE FACILITIES LAYOUT

FIGURE 12

LOCATION OF NATIVE GROUNDWATER WELLS ON SECTION 2

SECTION 2, T14S, R22E, UINTAH COUNTY, UTAH

GEOKINETICS INC.

46

0 500' 1000'
SCALE

FIGURE 13

LOCATION OF METEOROLOGICAL TOWERS

SEC. 2, T14S, R22E, UTAH COUNTY, UTAH

GEOKINETICS INC.

1/6

0 500' 1000'
SCALE

-32-

APPENDIX A

NATIVE GROUNDWATER ANALYSIS RESULTS

The attached data supports Geokinetics' characterization of native groundwater at the field site. These results are from the third and fourth sets of bi-monthly samples to be collected in 1980. The twelve wells shown in Figure 12 are at least 200 yards from a retort that has been blasted and contain water not affected by retorting. Every other month in 1980, three wells are chosen at random for sampling. Each 6-liter sample is analyzed at the GKI Analytical Laboratory.

Data interpretation will not be completed until 1981. Preliminary evaluation supports the previous groundwater characterization: that native groundwater on Section 2 is of a variable but generally poor quality. Additional results will be presented as they become available. Please refer to Category 800 - Environmental Research for more information.

WATER ANALYSIS RESULTS

Sample No: 9182

Sample Date: May 27, 1980

Sample Site: W-222

Sample Purpose: GROUND WATER SURVEY

All units in mg.l.^{-1} unless otherwise noted.

Aluminum	Al	0.1
Barium	Ba	0.1
Boron	B	88
Iron	Fe	0.07
Silicon	Si	8

Calcium	Ca	1.53
Magnesium	Mg	1.34
Potassium	K	4.6
Sodium	Na	1375

Arsenic	As	0.06
Cadmium	Cd	0.01
Mercury	Hg	<0.002
Selenium	Se	<0.005

Antimony	Sb	—
Beryllium	Be	—
Bismuth	Bi	—

Chromium	Cr	0.01
Cobalt	Co	—
Copper	Cu	0.05

Lead	Pb	0.0
Lithium	Li	—
Manganese	Mn	—

Molybdenum	Mo	0.4
Nickel	Ni	—
Silver	Ag	—

Strontium	Sr	—
Tin	Sn	—
Zinc	Zn	—

Conductivity	μmhos	6500
Turbidity	NTU	—
pH		9.03
Hardness	CaCO_3	—
Temperature	C	12.8

Residue on Evaporation 105°	ROE	4573
Residue on Evaporation 180°	ROE	4556
Total Suspended Solids	TSS	9.3

Oil in Water	NDIR	—
Chemical Oxygen Demand	COD	531
Phenolics	PHENOL	<0.02
Surfactants	MBAS	—

Alkalinity	CaCO_3	3874
Bicarbonate	HCO_3	4686
Carbonate	CO_3	78
Ammonia	$\text{NH}_3\text{-N}$	<1
Ammonium	$\text{NH}_4\text{-N}$	4.2

Bromide	Br	—
Chloride	Cl	142
Fluoride	F	20

Sulfate	SO_4	3610
Sulfur other than Sulfate		2
Sulfid.	S-S	1.5
Thiocyanate	SCN	0.5

Cyanide	CN	0.1
Nitrate	$\text{NO}_3\text{-N}$	—
Nitrite	$\text{NO}_2\text{-N}$	—
Total Phosphate	$\text{PO}_4\text{-P}$	—

- Parameter not analyzed for.

WATER ANALYSIS RESULTS

Sample No: 9183

Sample Date: May 27, 1980

Sample Site: W-12

Sample Purpose: GROUND WATER SURVEY

All units in $\text{mg}\cdot\text{L}^{-1}$ unless otherwise noted.

Aluminum	Al	0.1
Barium	Ba	0.0
Boron	B	255
Iron	Fe	0.21
Silicon	Si	6

Calcium	Ca	2.08
Magnesium	Mg	13.0
Potassium	K	17.5
Sodium	Na	6250

Arsenic	As	0.07
Cadmium	Cd	0.03
Mercury	Hg	<0.002
Selenium	Se	<0.005

Antimony	Sb	—
Beryllium	Be	—
Bismuth	Bi	—

Chromium	Cr	0.02
Cobalt	Co	—
Copper	Cu	0.04

Lead	Pb	0.2
Lithium	Li	—
Manganese	Mn	—

Molybdenum	Mo	0.4
Nickel	Ni	—
Silver	Ag	—

Strontium	Sr	—
Tin	Sn	—
Zinc	Zn	—

Conductivity	$\mu\text{ mhos}$	16,600
Turbidity	NTU	—
pH		9.20
Hardness	CaCO_3	—
Temperature	$^{\circ}\text{C}$	19.4

Residue on Evaporation 105 $^{\circ}$	ROE	20,680
Residue on Evaporation 180 $^{\circ}$	ROE	20,653
Total Suspended Solids	TSS	76.2

Oil in Water	NDIR	—
Chemical Oxygen Demand	COD	5429
Phenolics	PHENOL	<0.02
Surfactants	MBAS	—

Alkalinity	CaCO_3	12311
Bicarbonate	HCO_3	13,156
Carbonate	CO_3	914
Ammonia	$\text{NH}_3\text{-N}$	4.0
Ammonium	$\text{NH}_4\text{-N}$	19.0

Bromide	Br	—
Chloride	Cl	1098
Fluoride	F	41

Sulfate	SO_4	9275
Sulfur other than Sulfate		9
Sulfid.	S-S	2.1
Thiocyanate	SCN	0.5

Cyanide	CN	0.8
Nitrate	$\text{NO}_3\text{-N}$	—
Nitrite	$\text{NO}_2\text{-N}$	—
Total Phosphate	$\text{PO}_4\text{-P}$	—

- Parameter not analyzed for.

WATER ANALYSIS RESULTS

Sample No: 9184 Sample Date: May 27, 1980

Sample Site: W-243

Sample Purpose: GROUND WATER SURVEY

All units in $\text{mg} \cdot \text{L}^{-1}$ unless otherwise noted.

Aluminum	Al	0.1
Barium	Ba	0.0
Boron	B	140
Iron	Fe	0.20
Silicon	Si	7

Calcium	Ca	6.45
Magnesium	Mg	28.4
Potassium	K	8.5
Sodium	Na	1750

Arsenic	As	0.10
Cadmium	Cd	0.01
Mercury	Hg	<0.002
Selenium	Se	<0.005

Antimony	Sb	—
Beryllium	Be	—
Bismuth	Bi	—

Chromium	Cr	0.01
Cobalt	Co	—
Copper	Cu	0.02

Lead	Pb	0.1
Lithium	Li	—
Manganese	Mn	—

Molybdenum	Mo	0.6
Nickel	Ni	—
Silver	Ag	—

Strontium	Sr	—
Tin	Sn	—
Zinc	Zn	—

Conductivity	μ mhos	7210
Turbidity	ITU	—
pH		7.31
Hardness	CaCO_3	—
Temperature	C	12.2

Residue on Evaporation 105°	ROE	7278
Residue on Evaporation 180°	ROE	7251
Total Suspended Solids	TSS	2.2

Oil in Water	NDIR	—
Chemical Oxygen Demand	COD	1581
Phenolics	PHENOL	<0.02
Surfactants	MBAS	—

Alkalinity	CaCO_3	4995
Bicarbonate	HCO_3	5297
Carbonate	CO_3	791
Ammonia	$\text{NH}_3\text{-N}$	2.6
Ammonium	$\text{NH}_4\text{-N}$	9.2

Bromide	Br	—
Chloride	Cl	134
Fluoride	F	24.5

Sulfate	SO_4	4223
Sulfur other than Sulfate		4
Sulfid.	S-S	5.5
Thiocyanate	SCN	0.7

Cyanide	CN	0.2
Nitrate	$\text{NO}_3\text{-N}$	—
Nitrite	$\text{NO}_2\text{-N}$	—
Total Phosphate	$\text{PO}_4\text{-P}$	—

- Parameter not analyzed for.

WATER ANALYSIS RESULTS

Sample No: 9190

Sample Date: July 28, 1980

Sample Site: W-1

Sample Purpose: GROUND WATER SURVEY

All units in $\text{mg} \cdot \text{L}^{-1}$ unless otherwise noted.

Aluminum	Al	0.1
Barium	Ba	0.2
Boron	B	44
Iron	Fe	0.14
Silicon	Si	15

Calcium	Ca	4.04
Magnesium	Mg	4.71
Potassium	K	7.3
Sodium	Na	1440

Arsenic	As	—
Cadmium	Cd	0.01
Mercury	Hg	<0.002
Selenium	Se	<0.005

Antimony	Sb	—
Beryllium	Be	—
Bismuth	Bi	—

Chromium	Cr	0.00
Cobalt	Co	0.01
Copper	Cu	0.07

Lead	Pb	0.2
Lithium	Li	—
Manganese	Mn	—

Molybdenum	Mo	0.6
Nickel	Ni	0.04
Silver	Ag	—

Strontium	Sr	—
Tin	Sn	—
Zinc	Zn	—

Conductivity	μ mhos	4220
Turbidity	JTU	—
pH		9.28
Hardness	CaCO_3	30
Temperature	C	14.4

Residue on Evaporation 105°	ROE	3969
Residue on Evaporation 180°	ROE	3957
Total Suspended Solids	TSS	58

Oil in Water	NDIR	—
Chemical Oxygen Demand	COD	448
Phenolics	PHENOL	<0.02
Surfactants	MBAS	—

Alkalinity	CaCO_3	2457
Bicarbonate	HCO_3	2691
Carbonate	CO_3	150
Ammonia	$\text{NH}_3\text{-N}$	<1
Ammonium	$\text{NH}_4\text{-N}$	1.4

Bromide	Br	—
Chloride	Cl	113
Fluoride	F	10.1

Sulfate	SO_4	2325
Sulfur other than Sulfate		23
Sulfide	S-S	13
Thiocyanate	SCN	0.6

Cyanide	CN	<0.1
Nitrate	$\text{NO}_3\text{-N}$	—
Nitrite	$\text{NO}_2\text{-N}$	—
Total Phosphate	$\text{PO}_4\text{-P}$	—

- Parameter not analyzed for.

WATER ANALYSIS RESULTS

Sample No: 9189

Sample Date: July 28, 1980

Sample Site: W-13

Sample Purpose: GROUND WATER SURVEY

All units in mg·L⁻¹ unless otherwise noted.

Aluminum	Al	0.0
Barium	Ba	0.2
Boron	B	190
Iron	Fe	0.19
Silicon	Si	61

Calcium	Ca	2.10
Magnesium	Mg	4.23
Potassium	K	18
Sodium	Na	5563

Arsenic	As	0.1
Cadmium	Cd	0.02
Mercury	Hg	<0.002
Selenium	Se	<0.005

Antimony	Sb	—
Beryllium	Be	—
Bismuth	Bi	—

Chromium	Cr	0.01
Cobalt	Co	0.05
Copper	Cu	0.05

Lead	Pb	0.5
Lithium	Li	—
Manganese	Mn	—

Molybdenum	Mo	0.4
Nickel	Ni	0.11
Silver	Ag	—

Strontium	Sr	—
Tin	Sn	—
Zinc	Zn	—

Conductivity	μ mhos	15,200
Turbidity	ITU	—
pH		9.13
Hardness	CaCO ₃	23
Temperature	°C	14.4

Residue on Evaporation 105°	ROE	22,108
Residue on Evaporation 180°	ROE	15,283
Total Suspended Solids	TSS	43

Oil in Water	NDIR	—
Chemical Oxygen Demand	COD	1012
Phenolics	PHENOL	<0.0
Surfactants	MBAS	—

Alkalinity	CaCO ₃	5975
Bicarbonate	HCO ₃	6114
Carbonate	CO ₃	577
Ammonia	NH ₃ -N	5.4
Ammonium	NH ₄ -N	19.2

Bromide	Br	—
Chloride	Cl	4752
Fluoride	F	45.0

Sulfate	SO ₄	4968
Sulfur other than Sulfate		92
Sulfid.	S-S	1.5
Thiocyanate	SCN	0.5

Cyanide	CN	0.1
Nitrate	NO ₃ -N	—
Nitrite	NO ₂ -N	—
Total Phosphate	PO ₄ -P	—

- Parameter not analyzed for.

WATER ANALYSIS RESULTS

Sample No: 9188

Sample Date: July 28, 1980

Sample Site: W-243

Sample Purpose: GROUND WATER SURVEY

All units in mg·L⁻¹ unless otherwise noted.

Aluminum	Al	0.1
Barium	Ba	0.2
Boron	B	48
Iron	Fe	0.11
Silicon	Si	11

Calcium	Ca	20.0
Magnesium	Mg	47.0
Potassium	K	7.4
Sodium	Na	1300

Arsenic	As	.2
Cadmium	Cd	0.01
Mercury	Hg	<.002
Selenium	Se	<.005

Antimony	Sb	—
Beryllium	Be	—
Bismuth	Bi	—

Chromium	Cr	0.00
Cobalt	Co	0.01
Copper	Cu	0.02

Lead	Pb	0.2
Lithium	Li	—
Manganese	Mn	—

Molybdenum	Mo	1.2
Nickel	Ni	0.04
Silver	Ag	—

Strontium	Sr	—
Tin	Sn	—
Zinc	Zn	—

Conductivity	μ mhos	4280
Turbidity	JTU	—
pH		8.96
Hardness	CaCO ₃	244
Temperature	C	15.0

Residue on Evaporation 105°	ROE	3961
Residue on Evaporation 180°	ROE	3660
Total Suspended Solids	TSS	7.70-59

Oil in Water	NDIR	—
Chemical Oxygen Demand	COD	525
Phenolics	PHENOL	<.02
Surfactants	MBAS	—

Alkalinity	CaCO ₃	2487
Bicarbonate	HCO ₃	2776
Carbonate	CO ₃	12
Ammonia	NH ₃ -N	<1
Ammonium	NH ₄ -N	2.1

Bromide	Br	—
Chloride	Cl	182
Fluoride	F	10.0

Sulfate	SO ₄	2425
Sulfur other than Sulfate		43
Sulfide	S-S	1.3
Thiocyanate	SCN	0.5

Cyanide	CN	<.1
Nitrate	NO ₃ -N	—
Nitrite	NO ₂ -N	—
Total Phosphate	PO ₄ -P	—

- Parameter not analyzed for.

APPENDIX B

RETORT #24 POST-BLAST PRE-BURN

WATER SAMPLE ANALYSIS RESULTS

WATER ANALYSIS RESULTS

Sample No. R-24 Pre Burn (Post Blast) Sample Date May 19-80

Sample Site: Retort 24 De Watering Pump

Sample Purpose: Assess Base line For Pre Burn R-24 Water

All units in $\text{mg} \cdot \text{L}^{-1}$ unless otherwise noted.

Aluminum	Al	1.3	Conductivity	μmhos	7500
Barium	Ba	0.1	Turbidity	ITU	—
Boron	B	108	pH		9.17
Iron	Fe	0.26	Hardness	CaCO_3	—
Silicon	Si	1	Temperature	C	—
Calcium	Ca	1.62, 1.58	Residue on Evaporation 105° ROE		7394
Magnesium	Mg	2.6	Residue on Evaporation 180° ROE		7219
Potassium	K	15.5	Total Suspended Solids	TSS	53
Sodium	Na	2400	Oil in Water	NDIR	—
Arsenic	As	0.10	Chemical Oxygen Demand	COD	1046
Cadmium	Cd	0.02	Phenolics	PHENOL	0.01
Mercury	Hg	< 0.002	Surfactants	MBAS	—
Selenium	Se	0.05	Alkalinity	CaCO_3	3725
Antimony	Sb	—	Bicarbonate	HCO_3	3842
Beryllium	Be	—	Carbonate	CO_3	345
Bismuth	Bi	—	Ammonia	$\text{NH}_3\text{-N}$	24
Chromium	Cr	0.00	Ammonium	$\text{NH}_4\text{-N}$	70
Cobalt	Co	0.03	Bromide	Br	—
Copper	Cu	0.04	Chloride	Cl	679
Lead	Pb	0.1	Fluoride	F	21.8
Lithium	Li	—	Sulfate	SO_4	3675
Manganese	Mn	—	Sulfur other than Sulfate		—
Molybdenum	Mo	10.5	Sulfid.	S-S	76
Nickel	Ni	0.06	Thiocyanate	SCN	2.4
Silver	Ag	—	Cyanide	CN	2.3
Strontium	Sr	—	Nitrate	$\text{NO}_3\text{-N}$	< 0.1
Tin	Sn	—	Nitrite	$\text{NO}_2\text{-N}$	—
Zinc	Zn	—	Total Phosphate	$\text{PO}_4\text{-P}$	—

- Parameter not analyzed for. Total Dissolved Solids are: 7697mg/L

APPENDIX C

RETORT #24 WATER MONITORING PROGRAM

PURPOSE:

The specific goals of this investigation are to:

1. Establish an understanding of the various changes which selected constituents of retort water undergo during the burn of a full-size retort,
2. Evaluate the extent and rate of recovery to pre-ignition quality once the retort is shut-in, and
3. Determine the extent of horizontal and vertical communication from the retort.

Retort water is defined as any water collected from or near a retort at or after the time when clean oil production has reached or exceeded 1.5 BOPD per 100 square feet of retort cross-section.

The investigation will be initiated in September 1980 and will be conducted in three phases.

Phase #1

Phase #1 will be conducted during the month of September with a suite of pre-ignition samples being taken in order to establish a pre-ignition baseline.

Phase #2

Phase #2 will commence with the ignition of Retort #24 with three suites of samples being taken during the life of the retort. One suite will be taken one month after the initiation of the burn, a second suite will be taken when thermocouple readings indicate that one-half of the retort has been retorted, and the third and final suite will be taken within one month of the retort being shut-in. These samples will provide data in contrast to that obtained prior to the burn and, most importantly, give some insight into the various changes that retort water undergoes during the burn of a full-size retort (230 feet by 230 feet).

Phase #3

Phase #3 will consist of a series of six quarterly post-burn water sampling suites, the first suite to be taken three months after Retort #24 is shut-in and the final suite taken eighteen months thereafter. The data will provide an insight into the extent and rate of recovery the water in the vicinity of a full-size retort will experience.

Peripherally about Retort #24, on three-of-four sides of the retort, will be located a series of four (4) wells per side with two (2) wells being referred to as deep wells. Each of these three (3) series of wells will be comprised of two (2) sets of wells with each set being comprised of one (1) shallow well and one (1) deep well. The first set of wells of each series will be located seventy (70) feet out from the edge of the retort and the second set will be located one hundred and forty (140) feet out from the edge.

In addition to these three (3) series of twelve (12) wells, there will be one (1) sampling point located upon the retort. This will be production well PW-5. Therefore, each suite of samples will consist of thirteen, six-liter samples.

The six shallow wells about the periphery of Retort #24 will be given a numerical designation between one (1) and six (6) and will be prefixed with the letter "S" to indicate that it is a shallow well. Those wells with odd numbers (1, 3, 5) will be shallow wells located seventy (70) feet out and those with even numbers (2, 4, 6) will be located one hundred forty (140) feet out from the retort surface.

The deep wells will have the same numerical numbers and the same odd-even distribution, but they can be differentiated by the prefix letter "D".

The sampling point on the retort will be designated PW5-24.

The estimated northings and eastings of each sampling point with respect to the southwest corner section marker of Section 2, T14S, R22E, Bates Knoll Quadrangle are:

	<u>N</u>	<u>E</u>
Well S1 -	4696.28	1962.15
Well D1 -	4699.08	1958.01
Well S2 -	4754.31	2001.29
Well D2 -	4757.11	1997.15
Well S3 -	4453.29	2080.99
Well D3 -	4457.43	2083.78
Well S4 -	4414.14	2139.02
Well D4 -	4418.29	2141.81
Well S5 -	4400.23	1762.46
Well D5 -	4403.03	1758.32
Well S6 -	4342.20	1723.32
Well D6 -	4344.99	1719.17
PW5-24 -	4579.28	1815.15

Shallow wells will be drilled and cased in such a manner as to be able to assess the horizontal communication away from the retort. Six-inch holes will be drilled down to the bottom of the retorting zone. Four-inch diameter casings will then be inserted down to and packed off at the top of the retorting zone.

Deep wells will be drilled and cased in such a manner as to be able to assess the vertical communication away from the retort. Six-inch holes will be drilled down to fifty (50) feet below the retorting zone. Four-inch casings will then be inserted down to and packed off at a point twenty feet below the retorting zone.

To ensure that the packings hold up to blasting in the vicinity of the wells and therefore do not allow water to enter through the annulus, one to two feet of bentonite will be placed above the packer in the annulus between the casing and the drill hole wall, then the annulus will be cemented up about ten more feet.

PW5-24 will be an eight-inch hole drilled down to ten feet below the retorting zone. Six-and-five-eighths-inch diameter casings will be inserted into the entire length of the hole and perforated up from the bottom sixty feet.

Figure #1 gives the locations of each well relative to Retort #24 and Figure #2 gives a cross-sectional view of the casing program.

The investigation will be conducted by the environmental department. During Phase #1 and #2, all wells except PW5-24 will be bailed using a stainless steel sampling bomb. There will be a pump jack with a spigot on PW5-24 for obtaining samples. During Phase #3, all samples will be bailed. Each sample will consist of six liters. The samples will be stored in plastic and/or glass containers and kept refrigerated until analysis can be conducted. Each sample will be labeled with a pre-designed sampling number. The date and initials of the sampler will be kept as a permanent record by the environmental department.

The following is a list of constituents of retort water that will be analyzed for:

Cations

Aluminum	Calcium	Magnesium	Silicon
Arsenic	Chromium	Mercury	Sodium
Barium	Cobalt	Molybdenum	Strontium
Beryllium	Copper	Nickel	Zinc
Boron	Iron	Potassium	
Cadmium	Lead	Selenium	

Anions

Alkalinity	Chloride	Sulfate	Total Sulfur
Bicarbonate	Fluoride	Sulfide	
Carbonate	Nitrate	Thiocyanate	

Organics

Ammonia
Ammonium
Chemical Oxygen Demand
Oil in Water

Other

Conductivity
pH
Residue on Evaporation
Temperature
Total Suspended Solids

At the conclusion of Phase #2, a report will be submitted within three months giving the findings for Phase #1 and Phase #2. Within three months after the conclusion of Phase #3, a second comprehensive report will be submitted to conclude all phases of the investigation. All reports will contain secondary analyses of the data to include statistical comparisons and formulations of conclusions. Secondly, they will contain a summary of analytical methods and equipment utilized in the analysis of the various constituents.

D-2 S-2

D-1 S-1

Figure 1
RETORT #24
MONITORING WELLS

D-3 S-3

D-4 S-4

PW-5

RETORT
24

SCALE: 1" = 50'

D-5 S-5

LEGEND

- DEEP WELL
- SHALLOW WELL

D-6 S-6

C-5

GEOKINETICS INC.

4/6

C-6

Figure 2
CASING PROGRAM FOR
RETORT #24 MONITORING WELLS

GEOKINETICS INC.

SCALE: NONE

1/6

APPENDIX D

LEAKAGE MONITORING OF EVAPORATION POND

PURPOSE:

To ensure that any significant leakage of wastewater from the evaporation pond into the underlying shallow aquifer is recognized promptly.

As part of our agreement with the Utah State Board of Health for approval to construct and operate a 1.5 acre evaporation pond during the remaining research and development phase, a leak detection system has been designed and installed.

Our research has shown that any water released upon the surface in the vicinity of the research facility seeps directly into the ground and moves vertically downward until it encountered the relatively high impermeable mahogany oil shale bed. Perched upon this shale bed, the water is restricted to flowing only along the horizontal plane through horizontal cracks and fissures in the overburden.

In the region of the evaporation pond, the mahogany shale bed ranges in depth from 10 feet at the north end of the pond to 30 feet at the south end of the pond.

Monitoring wells (surface cased only) surrounding the pond will be drilled down to the mahogany marker and a dye (fluorescein) will be added into the evaporation pond. There will be two wells to a side and will be numbered from 1 to 8 in a clockwise direction. Weekly samples will be drawn (odd numbered one week, even numbered the next) and analyzed spectrophotometrically which can determine dye concentrations of less than one part per million.

Past experience utilizing fluorescein in hydrological trace studies have not indicated that we should expect any adverse adsorptivity of the dye; however, to ensure that dye concentrations in the pond remain high, quarterly samples will be taken from the pond and analyzed spectrophotometrically. The dye concentration of the pond will be maintained at a visibly detectable level.

In addition, a depth gauge which will be checked daily will be placed in the pond to indicate the current level as well as to aid in detecting any sudden drops in the fluid level. Knowing the inflow (determined by a digital analog) and the normal evaporation rate, any significant reduction in the water level inconsistent with these values will undoubtedly reveal leakage out of the pond.

APPENDIX E

RETORT #24 STACK GAS INVESTIGATION

PURPOSE:

To obtain levels of concentration for all known constituents in stack gas deemed significant from previous external research, and effluent temperatures in order to accomplish the following:

1. Determine what constituents exist at the top of the stack after undergoing incineration;
2. Evaluate the significance of each constituent;
3. Compare findings to those obtained from the process gas investigation in order to evaluate afterburner incineration efficiencies; and
4. Obtain effluent (exit) temperatures in the afterburner for use in modeling pollutant dispersion.

The investigation will commence in October 1980 with the initiation of the burn of Retort #24 and will continue until the retort is shut-in approximately nine months thereafter.

Samples will be obtained for nine constituents. They are: hydrogen sulfide, sulfur dioxide, ammonia, oxides of nitrogen, total oxidant content (ozone), particulates, carbon monoxide, carbon dioxide and oxygen.

Samples will be collected from a sampling tap located near the top of the afterburner. Samples will be taken by laboratory personnel twice monthly. All gas samples except particulates will be taken utilizing steel gas-sampling cylinders. The sampling of particulates will be conducted using a Meteorological Research Incorporated (MRI) #1502 inertial cascade impactor. Effluent temperatures will be obtained by lowering a thermocouple down into the stack.

All analyses will be conducted by the in-house laboratory. Oxygen (O_2), carbon monoxide (CO), and carbon dioxide (CO_2) will require gas chromatographic analysis (H.P. 5830 and H.P. 5840). Hydrogen sulfide (H_2S), ammonia (NH_3), sulfur dioxide (SO_2), oxides of nitrogen (NO_x) and ozone (O_3) will require wet chemical analytical methods.

Sulfur Dioxide	ASTM* method D2914-70T Sulfur Dioxide Content of the Atmosphere
Nitrogen Oxides	ASTM* method D1608-77 Oxides of Nitrogen in Gaseous Combustion Products (Phenoldisulfonic Acid Procedures)
Ozone	ASTM* method D1609-60 Oxidant (ozone) Content of the Atmosphere
Particulates	Gravimetric weighing with Sartorius 2434-SR semi-microbalance.
Hydrogen Sulfide	Argentometric or iodometric titration.
Ammonia	Acid absorption determined by ion sensing electrode (ISE).

A copy of the analyses will be sent to the environmental department. The data will be logged and further analyses will be conducted in order to evaluate the objectives of this investigation. Statistical records to include mean, maximum, minimum, standard deviation and variance of concentration for each constituent will be kept.

A technical report on the findings of this investigation will be submitted within three months after the termination of this investigation.

*"American Society for Testing and Materials,"
1916 Race Street, Philadelphia, Pennsylvania;
Part 26, 1977

APPENDIX F

RETORT #24 PROCESS GAS INVESTIGATION

PURPOSE:

To obtain levels of concentration for all known constituents in process gas deemed significant from previous external research in order to accomplish the following:

1. Determine what constituents exist in Retort #24 process gas;
2. To evaluate the significance of each constituent;
3. Compare findings to those obtained from the stack gas investigation in order to evaluate afterburner incineration efficiencies; and
4. Evaluate data to assess health hazards associated with possible gas leakage.

Note: This investigation will only require that a copy of the process gas analyses conducted for the retorting department be sent to the environmental branch in order that the above determinations can be made.

The investigation will commence in October 1980 with the initiation of the burn of Retort #24 and will continue until the retort is shut-in approximately nine months thereafter.

Eleven constituents of the process gas will be sampled. They are: hydrogen, oxygen, nitrogen, carbon monoxide, carbon dioxide, hydrocarbons (C1-C6), carbonyl sulfide, hydrogen sulfide, ammonia, sulfur dioxide and oxides of nitrogen. Samples will be collected from a sampling tap on the total air out (stack feed) manifold located between the demister and the afterburner. Sampling will be conducted by the laboratory personnel utilizing steel gas-sampling cylinders. Those constituents such as sulfur dioxide, ammonia, hydrogen sulfide and nitrogen oxides requiring wet chemical analyses will be sampled three times a week. The remaining constituents requiring gas chromatographic analyses will be sampled daily.

The in-house laboratory will conduct all gas analyses. The Hewlett Packard 5830 and 5840 gas chromatographs will be used to conduct the analyses of the elemental gases (H_2 , N_2 , O_2), carbon monoxide (CO), carbon dioxide (CO_2), carbonyl sulfide (CoS) and hydrocarbons ($C1-C6$). The analyses of hydrogen sulfide (H_2S), ammonia (NH_3), sulfur dioxide (SO_2), and nitrogen oxides (NO_x) will be done with wet chemical analytical methods.

Sulfur Dioxide	ASTM* method D2914-70T Sulfur Dioxide Content of the Atmosphere
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Nitrogen Oxides	ASTM* method D1608-77 Oxides of Nitrogen in Gaseous Combustion Products (Phenoldisulfonic Acid Procedures)
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Ammonia	Acid absorption determined by ion sensing electrode (ISE).
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Hydrogen Sulfide	Iodometric titration.
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The spectrophotometric equipment used for wet chemistry analyses will be the Baush and Lomb Spectronic Model 710.

A copy of the analyses will be sent to the environmental department. The data will be logged and further analyses will be conducted in order to evaluate the objectives of this investigation. Statistical records to include mean, maximum, minimum, standard deviation and variance of concentration for each constituent will be kept.

A technical report on the findings of this investigation will be submitted within three months after the termination of this investigation.

* "American Society for Testing and Materials,"
1916 Race Street, Philadelphia, Pennsylvania;
Part 26, 1977

APPENDIX G

METEOROLOGICAL AND CLIMATOLOGICAL
INVESTIGATION:

Review of July - December, 1979
Investigative Period

This report, which was previously distributed as LETC-10787-63, is bound separately and immediately follows this document.

APPENDIX H

INDUSTRIAL HEALTH AND SAFETY PROGRAM

INTRODUCTION

The objective of the Geokinetics Health and Safety Program is to assure safe and healthful working conditions for working men and women at the Kamp Kerogen site.

PROGRAM IMPLEMENTATION

Management: An executive safety committee consisting of members of plant management will meet regularly to make and enforce plant policy.

Supervisors: Regular (monthly suggested) safety meetings of supervisors, and other responsible personnel, will be held to review executive committee recommendations and safety records. A record will be kept of these management and supervisory meetings.

New Employees: New employees will be thoroughly acquainted with the policy for accident and fire prevention (as it relates to their job in particular and the Company in general) by the department supervisor and assigned specific duties in case of an emergency. When hired, new employees will read the safety program provided by the Company, as well as other safety material provided by the supervisor.

Training: Supervisors and employees will continuously participate in safety and health related training programs and drills. Records will be kept of safety training and those attending training sessions.

Education: Active participation of employees and supervisors in safety and health educational programs and meetings will be expected.

Monitoring: Supervisory personnel will monitor all processes and work methods, in their departments, to develop procedures minimizing the potential for accidents caused by human error or equipment failures.

Compliance: The plant will be operated in compliance with the standards of the U. S. Department of Labor and OSHA. In addition, available technology will be used to ensure that sound industrial hygiene practices are followed.

INDUSTRIAL HEALTH

The objectives are:

1. To identify hazards or potential hazards to health that may exist as a result of the in situ shale retorting process.
2. To determine, where possible, the levels of hazardous materials present in areas where work is performed by Geokinetics personnel.

Possible Health Hazards:

Gases: To ensure that acceptable levels of atmospheric toxicants in the work place are maintained, regular and routine monitoring is to be done. Testing includes, but is not limited to:

Oxides of Nitrogen - NO_x

Sulfur Dioxide - SO₂

Ozone - O₃

Hydrocarbons - HC

Particulates

Carbon Monoxide - CO

This testing is applied to retort off gas, the atmosphere over retorts (breathing zone), stack or afterburner effluents, and the atmosphere at various points in the living and working areas of Kamp.

As far as is now known, the substance most hazardous to workers in the vicinity of retorts is carbon monoxide (CO). Although other hazardous substances are present in retort off gas such as hydrogen sulfide (H₂), carbonyl sulfide (COS), ammonia (NH₃), hydrocarbons (HC), etc., their levels are low when compared with that of carbon monoxide. Hence, if carbon monoxide levels are kept within specified safe limits in the working environment, the other toxic gases will also be within acceptable limits.

Due to the research nature of the project, operation of the retorts is intermittent. Each retort is unique in some ways

and must be considered on an individual basis. Therefore, recommendations must be of a general nature.

When a retort is in operation (especially if vacuum suction on the air-out manifold(s) is not being used), 20-40 measurements of CO in the breathing zone are made on the retort each morning before any work is commenced in the retort area. These measurements are made on a grid pattern covering the retort, operator instrument shed, associated tanks, blowers, and any other area where work is anticipated for that day.

Levels of CO in the range of 50 ppm to 100 ppm (55-110 mg/m³) prohibit work for longer than one hour in that area without respiratory protection. Exposure must be limited to not more than 100 ppm for longer than one hour. Concentrations in excess of 100 ppm CO warrant mandatory use of self-contained breathing apparatus as long as work is done in those areas or in areas of 50-100 ppm CO where work is performed longer than one hour. Filter type respirators may be used to filter dusts or aerosols but do not reduce the concentration of CO.

Levels in excess of 50 ppm CO are usually caused by leaks through the retort overburden. This is corrected by sealing cracks with fine soil or mud or both. After the cracks are sealed, CO levels are again measured before any further work is done in that area.

Another hazard is encountered when working around or pulling pipe from the retort wells since retort gas is expelled at these times. This situation is improved by using the vacuum blower to create a negative pressure within the retort and at the wells. If CO concentration is still high (in excess of 50-100 ppm in the breathing zone for one hour), self-contained breathing apparatus must be used by all individuals in the high concentration area.

Dust: Employees working in and near drilling operations or other locations where high levels of dust are constantly present, will wear suitable particle filter masks. These masks will control dust entrance into the lungs and bronchia. This will eliminate a secondary threat to exposure of the lungs to arsenic-bearing dust that may be present.

Noise: Hearing protection will be worn by all employees in all areas where excessive noise is present. Excessive noise where hearing protection must be used are levels in excess of 90 dBA.

Oil: Potential carcinogenic risks may result from prolonged exposure to shale oil by skin contact, inhalation, or ingestion. Any contact with shale oil would not be expected to be of long duration or in large amounts. In any case, good personal hygiene would minimize risks. Frequent washing of hands after contact with shale oil and especially before smoking or eating would eliminate a common mode of inhalation and ingestion. Clothing, upon which shale oil has been spilled or spattered, should be changed and laundered before re-use.

Produced Water: Water produced as a by-product of oil shale retorting contains some toxic substances. Although it poses no known risk at this time, handling of and contact with produced water should be done with the same caution and common sense as described previously for oil.

Accidental Spills: Accidental spills of oil, retort-produced water or any hazardous substance, should be cleaned up with approved methods and under the direction of the department supervisor.

Disposal of Wastes: Disposal of wastes such as trash, used crankcase or other oils, etc., should be done consistent with OSHA, local, state and federal regulations as may apply.

Extreme Temperatures: Steam lines, hot oil, and hot vapor lines will be insulated and clearly marked or color coded to identify the contents of the various lines in compliance with OSHA standards.

INDUSTRIAL SAFETY

The objectives are:

1. To train Kamp personnel to be prepared to deal with emergency situations that may arise in the Kamp area.
2. To train a sufficient number of Kamp personnel to adequately render appropriate first-aid when and if needed.

Possible Emergency Situations:

Fire and/or Explosion

Chain of Command: The Shop Foreman will be in charge in a situation involving fire or explosion. He will have the

responsibility of having fire-fighting teams organized and of making individual assignments and contingency planning throughout the plant area.

Fire involving explosives or LP tanks will not be fought, but the area within 200 feet will be evacuated.

Communications: We are now investigating a central alarm system linking the shop area with the rest of Kamp. Until then, the telephone intercom will be the primary means of sounding the alarm. The Project Manager and Shop Foreman will be notified as soon as possible.

Emergency Equipment: Emergency fire-fighting equipment will be under the control of the Shop Foreman. He will be responsible for its availability and maintenance, and will keep an adequate inventory.

Fire and Emergency Brigades: Use of equipment for training and practice drills will be under the direction of the Shop Foreman, with cooperation and assistance from the other supervisors.

Plant Protection and Security: For the protection of the Company, as well as employees, gasoline will be available to employees only for authorized purposes and through authorized procedures.

Geokinetics equipment and property will be secured and protected. Department supervisors will have this responsibility within their departments, while the Shop Foreman and Project Manager will have general jurisdiction throughout Kamp.

To protect the Company from liability, warning signs will be placed at Kamp entrances advising unauthorized personnel (visitors) to proceed to the office where they can be registered. (This limits Company liability for the safety of trespassers.)

First Aid and Medical: First aid equipment, supplies, availability, and inventory will be the responsibility of the Health and Safety supervisor. Training of GKI personnel in first aid will also be under his jurisdiction.

Transportation of Sick or Injured: Methods available for transportation include light fixed-wing aircraft, helicopter, Company ambulance (with escort), or other vehicle (pickup, jeep, car). Determination of best method will be made by supervisory or other personnel in charge.

Instructions for obtaining other than Kamp transportation and notification of hospital and doctor are listed by each telephone.

Support Planning:

Electrical Power Generation: Secondary and backup generators will be maintained in such condition that emergency power will be available.

The radio truck and Sandia communications may be used in case of emergency.

Potable Water: Collection and assay of water samples for bacterial contamination is done on a regular and routine basis. A record of the results of this analysis will be kept in the Kamp files and a copy of each will be sent to the Vernal office. The Vernal office copy will be on file for inspection by the county or state health officer when so requested.

Chlorination and assay of chlorine residual levels will be done weekly by analytical laboratory personnel. A record of these results will be kept in the Kamp files and a copy will be sent to the Vernal files.

A backup water supply of five to ten gallons is suggested for each domicile. This water supply should be kept in a closed container and changed monthly to prevent anaerobic bacterial contamination.

Natural and LP Gas: Any gas leaks detected or suspected should be reported to the Kamp Project Manager. The Kamp Project Manager will have the responsibility to ensure that the odorant concentration of the natural gas is kept at a detectable level. Also tests must be performed periodically to ensure that the gas pressure is within the proper range for appliance safety.

Fire Protection:

Fire Extinguishers: Fire extinguishers should be located not more than 75 feet travel from any Kamp location where fire may occur.

Fire extinguishers will be inspected quarterly for location and operability.

There will be a small ABC unit in each kitchen. A large 20 pound ABC unit will also be located in each trailer. A small or medium ABC unit will be located in an appropriate place in each vehicle.

CO₂ extinguishers will be located in certain areas such as shop and laboratory. Heat sensing alarms will be placed in the shop. Smoke alarms will be placed in each trailer and office building.

Each trailer will be equipped with a heat taped exterior faucet and a hose for prevention or spread of fire. The hoses will be drained in winter and maintained in good condition for use at all times.

All responsible men, women and children will be trained in the proper operation and use of portable fire extinguishers.

All trailers used for domiciles or offices or any other use by Geokinetics will be inspected quarterly. This inspection will cover fire extinguishers, smoke alarms, gas lines, furnaces, water heaters, and ranges as well as a general survey to detect and eliminate combustible loading and possible sources of ignition. Any unsafe conditions will be reported, corrected and a re-inspection conducted after the correction. Again, records will be kept both in Kamp and in Vernal.

Special Operations:

Welding: Adequate fire-fighting tools will be maintained in the immediate area during welding operations. Combustible materials will be cleared from the welding area. Adequate ventilation will be maintained (by fan, if necessary) to protect the welder from toxic fumes.

Gasoline-Powered Equipment: All gasoline-powered equipment used at the Kamp Kerogen site is required to have:

1. A muffler in good condition
2. A chemical-pressurized fire extinguisher
3. A round-point, long-handled shovel

Storage and Parking Areas: Plant area, equipment service area, parking areas, tank batteries, fuel storage areas, and explosive storage areas will be cleared of all flammable materials for a distance of 50 feet. Small stationary engine sites will be cleared of all flammable material for a distance of 15 feet.

Flammable and explosive storage areas will be labeled as such and "No Smoking" signs posted.

Flammable Liquids: Storage areas will be clearly marked and protected.

All flammable containers will be labeled as to contents and stored in a safe manner.

Other Special Operations: All other special or unusual operations will be under the direction of the Project Manager and the Shop Foreman.

APPENDIX

1. Upon hire, new employees will be issued and will sign for personal protective safety equipment applicable to their job function. This equipment (hat, glasses, gloves, apron, etc.), when no longer serviceable, will be returned to the supervisor or his designated representative. If the equipment is not serviceable through normal wear or accident (not carelessness), it will be replaced. If the equipment is not returned, the employee will pay for its replacement.

2. Personal protective equipment will be worn in designated areas and on specific jobs. The department supervisor will determine the equipment needed. Failure to wear proper safety equipment in designated areas and jobs, as determined by the department supervisor, will result in disciplinary action, up to and including termination.

3. Emergency procedures for rescue of anyone overcome by gases:

a. At least two people required for rescue.

b. Lifeline must be used on one person while the other (others) hold the line from a "safe" distance.

c. Administration of pure oxygen at a rate of six to ten liters/minute, as soon as possible, to anyone overcome by gases or toxic fumes.

4. Those who operate Company vehicles must:

a. Make sure the vehicle safety inspection is valid.

b. Have a valid operator's license.

c. Wear seat belts.

d. Observe and obey Kamp speed limit signs and other regulations.

5. All vehicles driven in the Kamp Kerogen site (cars, trucks, motorbikes, etc.) will obey speed signs and other regulations.

6. Firearms will not be discharged in the Kamp site or toward the Kamp from any site.

7. Safety shoes (hard toed) will be worn by all employees (except those doing only office work) while working at the Kamp Kerogen site. Safety shoes may be purchased at cost through the warehouse. Employees may also purchase shoes from any other source, as long as they wear safety shoes at work. The Company will pay \$20.00 per year toward the cost of safety shoes.

8. Safety glasses (hardened glass or plastic lenses) will be worn by all employees (except those doing only office work) while working at the Kamp Kerogen site. The Company will pay \$20.00 per year toward the cost of safety glasses.

METEOROLOGICAL AND CLIMATOLOGICAL
INVESTIGATION:

Review of July - December, 1979
Investigative Period

By

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PREPARED FOR THE UNITED STATES DEPARTMENT OF ENERGY
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INTRODUCTION

The specific goals of the meteorological and climatological investigations on the Geokinetics Incorporated (GKI) field research site (Section 2, T14S, R22E) in Uintah County, Utah, are to collect, reduce and analyze meteorological and microclimatological data for the purpose of:

1. Obtaining knowledge of the structure and flexibility of the local microclimate;
2. Evaluating any trends associated with the locale; and
3. Monitoring for project induced changes in the local microclimate.

These goals, while functionally discrete, are to be treated as a whole in this and all subsequent reports as data and interpretations become available.

The findings presented herein reflect the results of the collection, reduction and analysis of raw data acquired during the investigative period from July 1, 1979 through December 31, 1979. In addition, a composite profile summary of findings for the entire year (1979) are presented as an addendum to the report.

SUMMARY

During the latter six-months of 1979, the results were found to be consistent with those gathered during the same period the previous year. They are as follows:

1. Prevailing winds are predominantly from the south-southwest with an average wind speed of seven MPH at 33 feet (10m) and from the south with an average wind speed of 10 MPH at 100 feet (30m) during the summer months. Prevailing winds are predominantly from the south-southwest at 33 and 100 feet with an average wind speed of 5 and 8 MPH respectively during the fall months.
2. Net evaporation for the least six months of 1979 was recorded to be 36.3 inches with 76 percent occurring in the summer quarter.
3. Recorded precipitation for the same period was 10.03 inches with 72 percent falling in the fall quarter. Of the total, 1.72 inches came from rain and the remaining 8.32 inches came from 25.6 inches of snow.

4. Maximum and minimum temperatures during this period were 100 degrees and -10 degrees Fahrenheit respectively and the mean temperatures ranged from 26 degrees in December to 73 degrees Fahrenheit in July.
5. Nocturnal temperature inversions were readily observed during the six-month period. The presence of the inversion layer appears at dusk and lasts until one to two hours after sunrise. In the summer months, the duration is 9 to 11 hours on the average and in the fall months the average is 17 to 18 hours.

PROGRAM DESIGN

The continuous monitoring and collection network is comprised of two electrical weather stations and six additional stations housing mechanical microclimatological instrumentation. Specifics of the program design can be located in Section A1 of the restructured Environmental Research Plan for the Geokinetics Inc. Investigations of the Horizontal In Situ Oil Shale Retorting Process (Spradlin et al, 1979).

During these six months of study, various modifications to the existing data gathering network were instituted to improve the efficiency of the data collection system. Two of these were made early in the reporting period.

The first modification was a major change which involved the 100-foot electrical weather station A-04. It was converted from a paper chart data recording system to a new solar powered unit housing a magnetic tape cassette for data retrieval.

The second modification involved the replacement of the Meteorological Research Incorporated (MRI) 10-foot mechanical weather station with a 30-foot, easily transportable, electrical weather station. This new station (designated A-07) was installed to provide site specific data for future diffusion modeling near the new retort research area #2 located in the north-central part of the research site.

These two new systems are more reliable and less expensive than their predecessors. Data reduction is now computerized thereby realizing a major savings in labor costs.

In October, two additional modifications to the monitoring and collection network were made. Both changes involved the relocation of a station.

The 100-foot electrical weather station (A-04) was removed from its original site in the northeast corner of the section and relocated near the center of the research site. The move was designed to eliminate occasional erroneous readings due to negative bias noise from

radiophone interference around operational activities in the northeast corner of the section, and to improve the representativeness of the data with respect to the entire research site.

When station A-04 was relocated, the monitoring of surface soil temperatures was discontinued. The insignificance of soil temperature information after the completion of the two-year vegetation baseline studies was apparent.

Station A-01 was also moved from its original location near retort research area #1 in the northeast corner of the section to a new location near retort research area #2 located in the north-central portion of the section. The relocation enables station A-01 to collect site specific data usable as comparative data in order to assess dispersion capabilities about retort research area #2.

A map indicating the approximate locations of each station is included in Appendix C of this report.

STATION DESCRIPTIONS

Station A-01 is a standard meteorological equipment shelter housing a microbarograph (Belfort 800) and a set of max-min thermometers (Science Associates 111). Station location is 1380 feet south and 2445 feet west of the northeast corner section marker and at an elevation of 6705 feet. Barometric pressure is recorded in inches of mercury to an accuracy of ± 0.01 inch. Temperatures are given in degrees Fahrenheit to $\pm 0.5^\circ\text{F}$.

Station A-02 is a bench platform upon which is mounted an evaporation recorder (Belfort 6075) and a totalizing anemometer (Casella W1204/2). Station location is 850 feet south and 228 feet west of the northeast corner section marker at an elevation of 6690 feet. Net evaporation is obtained in kilograms per meter squared and then converted to inches of evaporation during reduction of raw data. Accuracy is ± 0.1 inch. Wind run is given in total statute miles at an accuracy of ± 0.01 miles.

Station A-03 is also a bench platform upon which sets a pyrheliometer. It is located at 200 feet south and 1368 feet west of the northeast corner section marker at an elevation of 6734 feet. Solar intensity is recorded in gram-calories per centimeter squared to an accuracy of ± 1.0 gram-calorie.

Station A-04 is a permanently based electrical weather station and also the largest station in the network. It is located at 2600 feet south and 3040 feet west of the northeast corner section marker at an elevation of 6774 feet. The tower is 100 feet high with sensors located at 100 feet, 33 feet and 10 feet above the surface and at the surface. The temperature probes (Yellow Springs Instruments 703) are located at 100 feet, 33 feet, 10 feet and at the surface. Wind

speed and direction sensors (Texas Electronics 2011 and 2010) are located at 100 and 33 feet and measured in miles per hour and degrees azimuth respectively. Precipitation (MRI304) is measured in inches. The accuracies for temperature, wind speed, wind direction and precipitation are $\pm 0.1^{\circ}\text{F}$, ± 0.1 MPH, ± 2 degrees and ± 0.01 inches respectively.

Station A-04B is a standard meteorological instrument shelter housing a set of max-min thermometers (Science Associates 111) and a hygrothermograph (Bendix 594). The station is located 730 feet south and 876 feet west of the northeast corner section marker at an elevation of 6713 feet. Temperatures are in degrees Fahrenheit ($\pm 0.5^{\circ}\text{F}$) and relative humidity is in percentage (± 2 percent). A manual reading precipitation gauge has been added as an addendum to this station. Snow is measured in inches to the nearest tenth and rain is in inches to the nearest hundredth of an inch.

Station A-05 is the calibration station housing a mercury barometer (Princo-U.S. Signal CorpType) accurate to ± 0.005 inches of mercury, a microbarograph (Belfort 800) accurate to ± 0.01 inches, a psychrometer (Bendix 566) and max-min thermometers accurate to $\pm 0.5^{\circ}\text{F}$. The station location is 300 feet south and 520 feet west of the northeast corner section marker at an elevation of 6695 feet. All meteorological instrumentation in the network is calibrated to station A-05.

Station A-06 is a bench platform on which is mounted a Campbell-Stokes solar duration recorder (MK3B). This is located on a south-facing slope at an approximate elevation of 6711 feet. The station location is 634 feet south and 1032 feet west of the northeast corner section marker.

The final station is a 30-foot electrical weather station (A-07) capable of being easily moved about to various areas of study. It is located at 1380 feet south and 2400 feet west of the northeast corner section marker and at an elevation of 6705 feet. Wind direction and speed (Texas Electronics 2010 and 2011) and temperature (Yellow Springs 703) sensors are located at the 30 foot point on the tower. Accuracies are $\pm 0.1^{\circ}\text{F}$, ± 0.1 MPH and ± 2 degrees for temperature, wind speed and wind direction respectively.

DISCUSSION

An important indicator of the relative degree of performance of the data acquisition process is the data sufficiency. The following formula calculates the data sufficiency (S) in percent:

$$S = \frac{100n}{n_p}$$

where S is the data sufficiency in percent; n is the number of mea-

surements recorded; n_p is the total number of measurements possible for the period in question. Individual sufficiencies are determined for each parameter being monitored at a station and the station sufficiency is the average of the sufficiency of each parameter at a given station.

Tabulated data sufficiencies for the stations and parameters from July through December, 1979, are presented by month in Table 2 and cumulatively in Table 3 of Appendix A.

Overall data sufficiencies were excellent for the investigative period; however, sufficiencies of some individual pieces of equipment and stations were less than 90 percent. Reasons for the lower data sufficiency values are discussed by individual station below.

Station A-01 - During the month of October the station was re-located during which time some maximum and minimum temperatures were not available.

Station A-02 - In November some data from the evaporimeter was not recorded due to temperature related malfunctions.

Station A-03 - Low data sufficiencies for the months of August, September, October and November were caused by a faulty motor assembly.

Station A-04B - During November it was necessary to install a new chart drive assembly on the hygrothermograph during which time some loss of data occurred. In December an improper calibration of the temperature recorder of the hygrothermograph produced some incorrect values.

Station A-04 - In July the electrical weather station A-04 was converted from a paper chart recording system to a new solar powered unit with a magnetic cassette tape recording system causing a slight reduction in the data base. During the month of August possible lightning damage as well as radio interference induced erroneous readings which affected the data sufficiency.

It should be noted that wind data sufficiency (direction and hourly travel) should be maintained above the 90 percent level to be considered applicable for dispersion and diffusion studies, and levels of 95 percent and above are preferred.

For September, October and December data sufficiencies for wind speed and direction from station A-04 were above 95 percent. The month of November recorded a data sufficiency slightly less than 95 percent due to relocation of the station at the beginning of the month. Data sufficiencies less than 90 percent were obtained during the months of July and August because of the change in the data acquisition system in July and lightning damage sustained to the system in August.

Ambient surface temperatures, including daily and monthly maximum, minimum and mean temperatures are recorded in Tables 4 through 16. The maximum temperature of 100°F was recorded at station A-04B during the month of August. Station A-01 recorded the minimum temperature of -10°F during the month of November. The mean temperatures ranged from 26°F in December to 73°F in July.

Nocturnal temperature inversions are readily observed in the middle latitudes and are caused by strong outgoing terrestrial radiation during the night which produces rapid cooling of the ground surface. Thus the air near the surface cools much faster than the overlying air. Inversions are especially prevalent when there is no cloud cover inhibiting this radiative cooling process.

Figures 5 through 12 in Appendix B graphically represent the daily average temperatures from 100 and 33 feet. It is interesting to note that for some of the days the average temperatures at 100 feet are warmer than at 33 feet. Such conditions indicate that not only are temperature inversions periodically present during all six months but that inversion conditions prevail over non-inversion conditions over a 24 hour period.

The presence of the inversion layer appears at dusk (as radiative cooling begins) and lasts until one to two hours after sunrise (surface solar heating begins). In the summer months, the duration is 9 to 11 hours on the average and in the fall months the average is 17 to 18 hours. Occasionally, during the morning hours the inversion layer between 100 and 10 feet will dissipate one to two hours sooner than the layer between 100 and 33 feet as thermal turbulence increases with the heating of surface air.

The relative strengths of the inversions between 100 and 10 feet did not vary greatly between the summer and fall quarters. The average inversion lapse rate (change in temperature with respect to height) for the six-month period was 0.27 degrees Celsius per foot. Any substantial inversion layer with a depth much greater than 90 feet has a stronger lapse rate in the lower regions than a lapse rate measured over the entire inversion zone.

Net evaporation and precipitation data is summarized on a daily and monthly basis in composite profiles (Tables 17 through 22). The total net evaporation measured for the six months was 36.33 inches with 76 percent of that occurring in the summer quarter. All months recorded positive values for net evaporation with the month of July registering a high of 13.2 inches.

Total precipitation for the reporting period was 10.03 inches with 72 percent coming in the summer quarter. September recorded the high with 4.41 inches. Of the total, 1.72 inches came from rain and the remaining 8.32 inches came from 25.6 inches of snow. Water content of the snow during the fall months averaged 32.5 percent water.

Wind speed and direction measurements between the summer and fall months varied insignificantly. Winds are predominantly from the south-southwest during both the summer and fall seasons at 33 feet. However, at 100 feet the prevailing winds do shift slightly between seasons, coming from the south in the summer and from the south-southwest in the fall. Wind speeds during the first three months averaged seven MPH and 10 MPH at 33 and 100 feet respectively and during the last three months averaged five MPH and eight MPH at 33 and 100 feet respectively. A maximum wind speed of 41 MPH was recorded at 100 feet in October. Wind roses and tabular wind data summaries are presented by month, by quarter and as a composite for the reporting period in Tables 23 through 49.

YEAR SUMMARY

The maximum temperature recorded for the year was noted at station A-04B in August with a value of 100°F. The minimum temperature recorded for the year was also obtained at station A-04B with a value of -17°F. Mean temperatures ranged from 16°F in January to 73°F in July.

Total precipitation for the year was 14.83 inches with the month of September accumulating the high of 4.41 inches and the third quarter receiving 49 percent of the total. Of the total 1.79 inches was in the form of rain and the remainder came from 65.7 inches of snow. Yearly average water content of the snow was 19.8 percent water with the average for the first and last six months of 1979 being 12.0 percent and 32.5 percent respectively.

Total net evaporation for the year was recorded to be 64.9 inches. All months except January recorded positive values for net evaporation with the month of July registering a high of 13.2 inches and with 43 percent of the total coming in the third quarter. Keeping with the norm, 85.3 percent of the total evapotranspiration for the year came during the period from April 1 through October 1, 1979.

Wind speeds averaged over three months revealed that the spring quarter averaged the highest winds at 17 MPH and the fall quarter averaged the lowest at five MPH. A maximum wind speed of 41 MPH was recorded at the 100-foot level in October, and at the 33-foot level a maximum of 48 MPH was recorded in June. Prevailing winds were from the south-southwest at 33 feet as indicated in the yearly composite, Appendix A, Table 50.

CONCLUSIONS AND RECOMMENDATIONS

The data sufficiencies and equipment performance were excellent during the reporting period. It is for this reason that the information provided in this report is felt to be quality data and highly representative of the local microclimate of the area.

Modifications made to the 100-foot electrical weather station have confirmed that nocturnal temperature inversions occur in the vicinity of the research facility on a regular basis. However, the actual thickness of these inversion layers is still unknown and relative strengths are only known for the lower 30 meters. It is therefore recommended that during the 1980-1981 investigative period that an effort be made to evaluate the inversion thickness and their overall strengths.

It is also recommended that prior to the beginning of the 1981 investigative period that station A-04 be extended to at least 60 meters and a sigma sensor installed in order to derive a meaningful frequency distribution for on-site data to be used in future dispersion modeling.

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APPENDIX A. TABLES

1	Abbreviations, Units and Terms
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4 - 10	Maximum and Minimum Temperatures
11 - 16	Daily Mean Temperatures
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Table 1
ABBREVIATIONS, UNITS AND TERMS USED IN TABLES 2-22

<u>Abbreviation</u>	<u>Parameter or Expression</u>	<u>Units</u>
	Data sufficiency	percent
	Temperature	degrees F.
STA	Station	
Comp	Composite	
MDBH4	Mean daily by hour, A-04	degrees F.
PPN	Precipitation	inches
Bar Pr	Barometric pressure	inches Hg.
Tmax	Maximum temperature	degrees F.
Tmin	Minimum temperature	degrees F.
Tmean	Mean temperature	degrees F.
RH%	Relative humidity	percent
DSD	Direct sunshine duration	hours
EVAP	Evaporation, net	inches
TSR	Total solar radiation	langleys
MDWS	Mean daily wind speed	miles per hour
LE	Less than or equal to	
GE	Greater than or equal to	

Table 2
DATA SUFFICIENCY BY MONTH

		1979					
<u>Station and Parameter</u>		<u>JULY</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
A-01	Barometric Pressure	100.0	100.0	100.0	94.4	94.7	96.2
	Maximum temperature	100.0	100.0	100.0	87.1	100.0	93.5
	Minimum temperature	100.0	100.0	100.0	87.1	100.0	93.5
	Overall	100.0	100.0	100.0	89.5	98.2	94.4
A-02	Evaporation	100.0	100.0	100.0	100.0	76.7	96.7
	Wind travel, Total	100.0	100.0	100.0	100.0	100.0	100.0
	Overall	100.0	100.0	100.0	100.0	88.4	98.3
A-03	Solar radiation	100.0	83.9	83.3	74.2	83.3	100.0
A-04B	Relative humidity	100.0	100.0	98.3	97.0	80.6	100.0
	Temperature	100.0	100.0	94.4	96.8	66.7	64.5
	Maximum temperature	100.0	100.0	100.0	100.0	100.0	93.5
	Minimum temperature	100.0	100.0	100.0	100.0	100.0	93.5
	Overall	100.0	100.0	98.2	98.5	86.8	87.9
A-06	Direct sunshine duration	100.0	100.0	100.0	100.0	100.0	100.0
A-04	Temperature (100 ft.)	82.7	83.6	98.1	98.9	94.4	100.0
	Temperature (30 ft.)	82.7	85.1	100.0	98.9	94.4	100.0
	Temperature (10 ft.)	82.7	85.3	100.0	98.9	94.4	100.0
	Temperature (0 ft.)	82.7	85.3	100.0	98.9	-	-
	Wind speed (100 ft.)	82.7	85.3	100.0	98.9	94.4	100.0
	Wind speed (30 ft.)	82.7	85.3	100.0	98.9	94.0	100.0
	Wind direction (100 ft.)	81.2	84.7	99.9	98.3	94.4	100.0
	Wind direction (30 ft.)	82.3	85.2	100.0	98.8	94.4	99.5
	Precipitation	82.7	85.3	100.0	98.9	94.4	100.0
	Overall	82.5	85.0	99.8	98.8	94.4	99.9
A-07	Wind speed (30 ft.)	-	81.9	100.0	100.0	100.0	100.0
	Wind direction (30 ft.)	-	81.9	100.0	100.0	100.0	100.0
	Temperature (30 ft.)	-	81.9	100.0	100.0	100.0	100.0
	Overall	-	81.9	100.0	100.0	100.0	100.0
ALL STATIONS		92.1	91.1	98.9	96.8	93.5	96.9

See Table 1 for abbreviations and units.

Table 3
DATA SUFFICIENCY, CUMULATIVE

		1979					
<u>Station and Parameter</u>		<u>JULY</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
A-01	Barometric pressure	100.0	100.0	100.0	98.6	97.8	97.6
	Maximum temperature	100.0	100.0	100.0	96.8	97.4	96.8
	Minimum temperature	100.0	100.0	100.0	96.8	97.4	96.8
	Overall	100.0	100.0	100.0	97.4	97.5	97.0
A-02	Evaporation	100.0	100.0	100.0	100.0	95.3	95.6
	Wind travel, Total	100.0	100.0	100.0	100.0	100.0	100.0
	Overall	100.0	100.0	100.0	100.0	97.7	97.8
A-03	Solar radiation	100.0	92.0	89.1	85.4	84.9	87.5
A-04B	Relative humidity	100.0	100.0	99.4	98.8	95.2	96.0
	Temperature	100.0	100.0	98.1	97.8	91.6	87.1
	Maximum temperature	100.0	100.0	100.0	100.0	100.0	98.9
	Minimum temperature	100.0	100.0	100.0	100.0	100.0	98.9
	Overall	100.0	100.0	99.4	99.2	96.7	95.2
A-06	Direct sunshine duration	100.0	100.0	100.0	100.0	100.0	100.0
A-04	Temperature (100 ft.)	82.7	83.2	88.1	90.8	91.5	93.0
	Temperature (30 ft.)	82.7	83.9	89.3	91.7	92.2	93.5
	Temperature (10 ft.)	82.7	84.0	89.3	91.7	92.3	93.6
	Temperature (0 ft.)	82.7	84.0	89.3	91.7	-	-
	Wind speed (100 ft.)	82.7	84.0	89.3	91.7	92.3	93.6
	Wind speed (30 ft.)	82.7	84.0	89.3	91.7	92.2	93.5
	Wind direction (100 ft.)	81.2	83.0	88.6	91.0	91.7	93.1
	Wind direction (30 ft.)	82.3	83.8	89.2	91.6	92.1	93.4
	Precipitation	82.7	84.0	89.3	91.7	92.3	93.6
	Overall	82.5	83.8	89.1	91.5	92.1	93.4
A-07	Wind speed (30 ft.)	-	81.9	91.0	94.0	95.5	96.4
	Wind direction (30 ft.)	-	81.9	91.0	94.0	95.5	96.4
	Temperature (30 ft.)	-	81.9	91.0	94.0	95.5	96.4
	Overall	-	81.9	91.0	94.0	95.5	96.4
ALL STATIONS		92.1	91.6	94.0	94.7	94.5	94.9

See Table 1 for abbreviations and units.

Table 4
MAXIMUM AND MINIMUM TEMPERATURES

JULY 1979

<u>Day</u>	<u>m a x i m a</u>			<u>m i n i m a</u>		
	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>
1	87	89	87	53	51	51
2	88	90	88	49	51	49
3	86	87	88	43	49	46
4	89	88	89	46	42	47
5	93	90	94	46	44	48
6	93	93	90	49	45	50
7	93	93	93	57	49	60
8	93	93	93	56	56	55
9	89	91	90	53	54	55
10	92	94	95	53	52	54
11	91	94	97	50	53	51
12	91	94	90	56	52	53
13	88	94	89	56	54	51
14	91	91	93	58	54	61
15	91	93	94	60	60	62
16	90	96	93	65	63	55
17	91	91	95	59	58	56
18	91	93	94	63	59	64
19	93	93	95	62	63	62
20	86	94	88	58	63	58
21	85	87	81	52	58	53
22	89	81	89	55	52	53
23	79	89	80	46	55	48
24	91	80	92	55	46	56
25	89	92	88	54	54	57
26	89	90	93	60	54	61
27	90	92	96	62	60	54
28	89	92	97	59	56	57
29	90	91	92	62	59	52
30	90	92	91	52	54	50
31	88	87	85	51	49	51
MEAN	90	91	91	55	54	54

See Table 1 for abbreviations and units.

Table 5
MAXIMUM AND MINIMUM TEMPERATURES
AUGUST 1979

<u>Day</u>	m a x i m a			m i n i m a		
	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>
1	91	88	92	51	48	52
2	90	90	92	51	51	51
3	90	90	90	52	51	52
4	90	90	90	53	52	54
5	93	90	95	55	54	54
6	98	94	98	55	55	56
7	98	100	98	52	56	56
8	95	96	86	56	55	55
9	86	92	85	58	54	53
10	81	91	79	54	51	51
11	87	84	89	54	52	60
12	83	84	86	56	60	55
13	77	88	77	56	54	52
14	70	78	75	52	50	48
15	72	73	73	52	47	53
16	72	71	74	45	49	45
17	73	72	76	47	44	49
18	74	74	75	49	48	50
19	62	74	63	48	49	50
20	62	63	65	46	48	45
21	77	62	77	46	46	48
22	79	77	77	46	47	47
23	80	81	79	51	48	51
24	81	83	80	53	50	48
25	81	83	79	50	47	47
26	79	83	80	53	49	50
27	83	83	85	53	53	55
28	85	85	85	59	58	54
29	82	86	83	59	58	58
30	74	87	80	59	57	60
31	80	83	81	46	52	46
MEAN	81	83	82	52	51	52

See Table 1 for abbreviations and units.

Table 6
MAXIMUM AND MINIMUM TEMPERATURES
SEPTEMBER 1979

<u>Day</u>	<u>m a x i m a</u>			<u>m i n i m a</u>		
	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>
1	83	81	84	48	46	52
2	84	82	85	49	49	50
3	84	84	86	50	50	51
4	85	85	85	50	50	50
5	87	85	87	55	50	48
6	88	90	83	54	51	50
7	88	91	87	57	54	57
8	88	92	88	61	59	56
9	86	90	86	59	58	57
10	85	87	85	59	56	47
11	82	86	80	49	49	38
12	78	84	72	41	39	38
13	75	75	68	39	40	38
14	72	72	63	38	39	35
15	72	68	70	38	37	38
16	74	75	78	38	40	44
17	76	81	74	41	40	44
18	81	82	80	48	48	50
19	79	86	77	59	50	49
20	75	80	72	50	49	42
21	76	78	73	45	43	38
22	79	77	79	54	44	51
23	81	81	79	52	50	51
24	80	83	79	54	52	51
25	78	81	79	56	53	54
26	79	81	80	54	50	50
27	80	82	78	51	51	48
28	79	80	78	47	48	45
29	79	78	79	46	45	48
30	80	80	80	48	48	45
MEAN	80	82	79	50	48	47

See Table 1 for abbreviations and units.

Table 7
MAXIMUM AND MINIMUM TEMPERATURES
OCTOBER 1979

<u>Day</u>	<u>m a x i m a</u>			<u>m i n i m a</u>		
	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>
1	78	80	75	44	45	42
2	79	80	79	53	46	43
3	-	80	67	-	41	37
4	-	72	73	-	38	40
5	-	77	73	-	41	40
6	77	79	75	35	41	44
7	78	80	77	-	46	43
8	81	83	73	42	48	35
9	78	79	62	32	35	36
10	66	66	66	32	38	35
11	75	76	75	41	43	43
12	75	76	69	44	46	41
13	72	74	72	39	43	46
14	71	73	68	38	42	41
15	71	72	72	38	42	32
16	74	72	68	27	35	32
17	59	61	65	31	33	33
18	-	65	64	37	38	38
19	64	65	66	41	40	38
20	66	66	40	35	35	30
21	36	37	40	26	26	25
22	40	41	49	22	24	27
23	51	52	52	28	26	29
24	54	55	55	24	28	31
25	57	58	63	33	34	37
26	67	69	63	41	39	26
27	62	63	60	25	27	26
28	53	55	53	27	28	28
29	52	52	34	30	30	22
30	34	34	36	22	21	21
31	34	36	35	02	07	13
MEAN	63	65	62	33	36	34

See Table 1 for abbreviations and units.

Table 8
MAXIMUM AND MINIMUM TEMPERATURES
NOVEMBER 1979

<u>Day</u>	<u>m a x i m a</u>			<u>m i n i m a</u>		
	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>
1	32	32	37	07	10	15
2	39	37	41	11	12	21
3	45	46	46	16	20	27
4	48	49	46	19	26	23
5	48	47	43	21	22	25
6	46	46	47	23	26	29
7	49	49	47	29	30	30
8	43	45	45	27	28	26
9	47	48	44	22	25	23
10	44	45	38	20	21	26
11	42	42	40	22	24	17
12	40	42	41	16	17	23
13	45	45	44	24	25	20
14	45	46	43	15	19	20
15	44	45	44	13	19	20
16	46	47	49	16	19	21
17	47	48	49	18	20	33
18	50	51	47	30	31	18
19	45	44	31	10	15	20
20	26	26	28	19	19	18
21	25	26	29	12	13	06
22	31	32	28	-01	03	12
23	32	32	34	10	12	14
24	32	32	36	02	09	14
25	30	30	40	17	19	24
26	37	37	38	19	20	04
27	31	34	27	-02	01	00
28	30	32	18	-10	-03	-01
29	20	24	18	-08	-04	-02
30	22	21	18	-10	-04	00
MEAN	39	39	38	14	16	18

See Table 1 for abbreviations and units.

Table 9
MAXIMUM AND MINIMUM TEMPERATURES
DECEMBER 1979

<u>Day</u>	m a x i m a			m i n i m a		
	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>
1	24	21	24	-07	-01	07
2	31	27	37	01	06	20
3	38	39	38	16	19	20
4	46	43	48	10	18	22
5	53	53	38	16	23	20
6	42	42	38	14	19	23
7	43	42	40	18	16	24
8	42	41	40	17	16	23
9	44	45	41	14	15	20
10	44	46	44	15	16	08
11	47	47	20	01	05	03
12	22	23	24	-02	00	04
13	29	27	24	-04	02	06
14	27	27	30	01	05	10
15	33	33	37	06	12	17
16	44	47	45	17	18	18
17	51	50	39	11	17	05
18	44	42	37	09	16	17
19	43	41	37	08	11	18
20	42	44	44	19	20	21
21	43	44	40	19	20	30
22	38	38	34	30	30	12
23	38	38	38	08	10	18
24	37	37	40	20	20	16
25	40	40	44	14	12	31
26	41	42	-	30	31	-
27	-	-	-	-	-	-
28	-	-	37	-	-	18
29	37	38	38	22	23	23
30	38	38	39	23	23	08
31	36	34	29	-02	05	11
MEAN	39	39	37	12	15	16

See Table 1 for abbreviations and units.

Table 10
MONTHLY TEMPERATURE
MAXIMA AND MINIMA

<u>Maxima</u>							
<u>STA</u>	<u>JULY</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>MONTH</u>
A-01	93	98	88	81	50	53	AUG
A-04	96	100	92	83	51	53	AUG
A-05	97	98	88	77	49	48	AUG
	A-05	A-04	A-04	A-04	A-04	[A-04] [A-01]	

<u>Minima</u>							
<u>STA</u>	<u>JULY</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>MONTH</u>
A-01	43	45	38	02	-10	-07	NOV
A-04	42	44	37	07	-04	-01	NOV
A-05	46	45	35	13	00	04	NOV
	A-04	A-04	A-05	A-01	A-01	A-01	

See Table 1 for abbreviations and units.

Table 11
DAILY MEAN TEMPERATURES
JULY 1979

<u>Day</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>MDBH4</u>	<u>Comp</u>
1	70	70	69	70	70
2	69	71	69	68	69
3	65	68	67	63	66
4	68	65	68	65	67
5	70	67	71	71	70
6	71	69	70	69	70
7	75	71	77	71	74
8	75	75	74	75	75
9	71	73	73	73	73
10	73	73	75	76	74
11	71	74	74	74	74
12	74	73	72	75	74
13	72	74	70	74	73
14	75	73	77	75	75
15	76	77	78	76	77
16	78	80	74	75	77
17	75	75	76	74	75
18	77	76	79	74	77
19	78	78	79	71	77
20	72	79	73	70	74
21	69	73	67	69	70
22	72	67	71	67	69
23	63	72	64	68	67
24	73	63	74	66	69
25	72	73	73	72	73
26	75	72	77	74	75
27	76	76	75	76	76
28	74	74	77	76	75
29	76	75	72	77	75
30	71	73	71	74	72
31	70	68	68	71	69
MEAN	72	72	73	72	73

See Table 1 for abbreviations and units.

Table 12
DAILY MEAN TEMPERATURES
AUGUST 1979

<u>Day</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>MDBH4</u>	<u>Comp</u>
1	71	68	72	73	71
2	71	71	72	74	72
3	71	71	71	75	72
4	72	71	72	80	74
5	74	72	75	80	75
6	77	75	77	81	78
7	75	78	77	71	75
8	76	76	71	71	74
9	72	73	69	73	72
10	68	71	65	69	68
11	71	68	75	72	72
12	70	75	71	72	72
13	67	71	65	64	67
14	61	64	62	60	62
15	62	60	63	57	61
16	59	60	60	56	59
17	60	58	63	57	50
18	62	61	63	60	62
19	55	62	57	53	57
20	54	56	55	55	55
21	62	54	63	61	60
22	63	62	62	65	63
23	66	65	65	66	66
24	67	67	64	68	67
25	66	65	63	65	65
26	66	66	65	65	66
27	68	68	70	70	69
28	72	72	70	72	72
29	71	72	71	72	72
30	67	72	70	68	69
31	63	68	64	67	66
MEAN	67	67	67	67	68

See Table 1 for abbreviations and units.

Table 13
DAILY MEAN TEMPERATURES
SEPTEMBER 1979

<u>Day</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>MDBH4</u>	<u>Comp</u>
1	66	64	68	67	66
2	67	66	68	69	68
3	67	67	69	72	69
4	68	68	68	70	69
5	71	68	68	72	70
6	71	71	67	72	70
7	73	73	72	73	73
8	75	76	72	76	75
9	73	74	72	71	73
10	72	72	66	72	71
11	66	68	59	67	65
12	60	62	55	58	59
13	57	58	53	56	56
14	55	56	49	52	53
15	55	53	54	54	54
16	56	58	61	63	60
17	59	61	59	76	64
18	65	65	65	-	65
19	69	68	63	67	67
20	63	65	57	64	62
21	61	61	56	61	60
22	67	61	65	65	65
23	67	66	65	66	66
24	67	68	65	66	67
25	67	67	67	67	67
26	67	66	65	64	66
27	66	67	63	58	64
28	63	64	62	60	62
29	63	62	64	61	63
30	64	64	63	63	64
MEAN	65	65	62	66	65

See Table 1 for abbreviations and units.

Table 14
MEAN DAILY TEMPERATURES
OCTOBER 1979

<u>Day</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>MDBH4</u>	<u>Comp</u>
1	61	63	59	63	62
2	66	63	61	66	64
3	-	61	52	57	57
4	-	55	57	57	56
5	-	59	57	61	59
6	56	60	60	61	59
7	-	63	61	65	63
8	62	66	54	63	61
9	55	57	49	51	53
10	49	52	51	57	52
11	58	60	59	58	59
12	60	61	55	58	59
13	56	59	59	58	58
14	55	58	55	54	56
15	55	57	52	53	54
16	51	54	50	48	51
17	45	47	49	49	48
18	-	52	51	54	52
19	53	53	52	57	54
20	51	51	35	35	43
21	31	32	33	32	32
22	31	33	38	40	36
23	40	39	41	42	41
24	39	42	43	32	39
25	45	46	50	58	50
26	54	54	45	50	51
27	44	45	43	40	43
28	40	42	41	43	42
29	41	42	41	32	39
30	28	28	29	26	28
31	18	22	24	23	22
MEAN	48	51	49	50	50

See Table 1 for abbreviations and units.

Table 15
DAILY MEAN TEMPERATURES
NOVEMBER 1979

<u>Day</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>MDBH4</u>	<u>Comp</u>
1	20	21	26	23	23
2	25	25	31	34	29
3	31	33	37	33	34
4	34	38	35	-	36
5	35	35	34	-	35
6	35	36	38	-	36
7	39	40	39	37	39
8	35	37	36	36	36
9	35	37	34	32	35
10	32	33	32	-	32
11	32	33	29	-	31
12	28	30	32	28	30
13	35	35	32	-	34
14	30	33	32	28	31
15	29	32	32	28	30
16	31	33	35	31	33
17	33	34	41	35	36
18	40	41	33	31	36
19	28	30	26	21	26
20	23	23	23	-	23
21	19	20	18	-	19
22	15	18	20	19	18
23	21	22	24	19	22
24	17	21	25	22	21
25	24	25	32	27	27
26	28	29	21	25	26
27	15	17	14	-	15
28	10	15	10	-	12
29	6	10	8	-	8
30	6	9	9	-	8
MEAN	26	28	28	28	27

See Table 1 for abbreviations and units.

Table 16
DAILY MEAN TEMPERATURES
DECEMBER 1979

<u>Day</u>	<u>A-01</u>	<u>A-04</u>	<u>A-05</u>	<u>MDBH4</u>	<u>Comp</u>
1	9	10	16	-	12
2	15	11	29	28	21
3	27	29	29	25	28
4	28	31	35	-	31
5	35	38	29	-	34
6	28	31	31	-	30
7	31	29	32	-	31
8	30	29	32	-	30
9	29	30	31	-	30
10	30	31	26	-	29
11	24	26	13	14	19
12	10	12	14	10	12
13	13	15	15	-	14
14	14	16	20	-	17
15	20	23	27	-	23
16	31	33	32	-	32
17	31	34	22	-	29
18	27	29	27	25	27
19	26	26	28	-	27
20	31	32	33	36	33
21	31	32	35	29	32
22	34	34	23	27	30
23	23	24	28	20	24
24	29	29	28	26	28
25	27	26	38	26	29
26	36	37	-	20	31
27	-	-	-	20	20
28	-	-	28	21	24
29	30	31	31	17	27
30	31	31	24	16	25
31	17	20	20	16	18
MEAN	26	26	27	22	26

See Table 1 for abbreviations and units.

Table 17

COMPOSITE PROFILE

JULY 1979

<u>Day</u>	<u>BarPr</u>	<u>Tmax</u>	<u>Tmin</u>	<u>Tmean</u>	<u>RH%</u>	<u>DSD</u>	<u>TSR</u>	<u>EVAP</u>	<u>PPN</u>
1	23.46	88	52	70	43	8.8	846	.70	-
2	23.50	89	50	69	22	8.5	906	.20	-
3	23.57	87	46	67	35	0	802	.36	-
4	23.61	89	45	67	37	13.2	820	.44	-
5	23.61	92	46	69	26	0	743	.28	-
6	23.63	92	48	70	35	9.5	700	.75	0
7	23.65	93	55	74	31	13.3	973	.47	0
8	23.63	93	56	74	27	13.8	982	.60	0
9	23.64	90	54	72	20	13.3	982	.50	0
10	23.55	94	53	74	17	12.4	820	.57	0
11	23.50	94	51	73	20	13.3	973	.37	0
12	23.51	92	54	73	15	13.2	948	.49	0
13	23.56	91	54	72	17	13.4	957	.49	0
14	23.58	92	58	75	15	10.8	973	.31	0
15	23.62	93	61	77	25	10.3	982	.21	.16
16	23.72	93	61	77	26	6.8	752	.58	0
17	23.74	92	58	75	26	8.1	708	.26	0
18	23.68	93	62	78	32	11.2	973	.44	0
19	23.64	94	62	78	24	9.3	820	.40	0
20	23.61	89	60	74	29	8.8	743	.26	0
21	23.58	84	54	69	35	8.8	923	.53	0
22	23.58	86	53	70	38	10.7	1051	.34	0
23	23.54	83	50	66	58	4.3	666	.29	.01
24	23.61	88	52	70	40	13.0	888	0	.01
25	23.59	90	55	73	26	11.5	896	.39	0
26	23.56	91	58	75	27	6.8	666	.50	.01
27	23.51	93	59	76	23	10.9	700	.43	0
28	23.52	93	57	75	12	13.3	940	.51	0
29	23.54	91	58	74	12	12.2	1238	.47	0
30	23.58	91	52	72	19	12.5	777	.56	0
31	23.67	87	50	69	16	13.3	871	.48	0
MEAN	23.59	91	54	72	27	10.2	872	.44	.01
TOTAL								13.18	.19

See Table 1 for abbreviations and units.

Table 18
COMPOSITE PROFILE
AUGUST 1979

<u>Day</u>	<u>BarPr</u>	<u>Tmax</u>	<u>Tmin</u>	<u>Tmean</u>	<u>RH%</u>	<u>DSD</u>	<u>TSR</u>	<u>EVAP</u>	<u>PPN</u>
1	23.62	90	50	70	13	13.0	820	.45	0
2	23.54	91	51	71	24	12.9	896	.39	0
3	23.54	90	52	71	22	13.2	906	.16	0
4	23.57	90	53	72	20	13.2	888	.33	0
5	23.60	93	54	74	13	9.2	743	.63	0
6	23.61	97	55	76	23	9.5	808	.12	0
7	23.60	99	55	77	52	8.0	785	.27	.06
8	23.62	92	55	74	54	6.2	854	-.11	0
9	23.64	88	55	72	33	10.5	743	.20	0
10	23.70	84	52	68	31	13.0	-	.40	0
11	23.58	87	55	71	26	10.8	-	.52	0
12	23.47	86	57	72	48	5.4	-	.14	0
13	23.52	81	54	68	67	10.7	-	.12	0
14	23.62	74	50	62	67	0.4	339	.04	0
15	23.62	73	51	62	63	2.3	545	.04	0
16	23.63	72	46	59	57	3.2	520	.18	0
17	23.63	74	47	60	47	5.6	624	.02	.03
18	23.56	74	49	62	56	7.8	768	0	.20
19	23.56	66	49	58	85	4.8	470	.26	2.11
20	23.56	63	46	55	69	0	426	.18	.21
21	23.63	72	47	59	61	12.2	-	.04	0
22	23.68	78	47	62	46	11.9	461	.07	.02
23	23.61	80	50	65	35	14.5	769	.04	0
24	23.54	81	50	66	23	12.1	948	.29	0
25	23.52	81	48	65	25	9.1	743	.08	0
26	23.54	81	51	66	32	8.6	743	.31	0
27	23.51	84	54	69	15	10.5	931	.53	0
28	23.45	85	57	71	18	10.4	718	.51	0
29	23.49	84	58	71	13	12.8	777	.04	0
30	23.50	80	59	69	28	7.4	547	.08	0
31	23.50	81	48	65	40	12.8	820	.14	0
MEAN	23.57	82	52	67	39	9.09	715	.22	.08
TOTAL								6.47	2.63

See Table 1 for abbreviations and units.

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See Table 1 for abbreviations and units.

Table 20
COMPOSITE PROFILE
OCTOBER 1979

<u>Day</u>	<u>BarPr</u>	<u>Tmax</u>	<u>Tmin</u>	<u>Tmean</u>	<u>RH%</u>	<u>DSD</u>	<u>TSR</u>	<u>EVAP</u>	<u>PPN</u>
1	23.75	73	44	61	23	11.0	-	.38	0
2	23.66	79	47	63	17	8.0	-	.30	0
3	23.72	74	39	57	28	10.8	-	.26	0
4	23.75	73	39	56	18	8.8	683	.25	0
5	23.71	75	41	58	11	10.8	691	.26	0
6	23.67	77	40	59	21	10.7	-	.33	0
7	23.59	78	45	61	12	10.6	-	.39	0
8	23.56	79	42	60	16	10.8	-	.26	0
9	23.71	73	34	54	43	10.5	708	.13	0
10	23.75	66	35	51	38	10.8	666	.05	0
11	23.65	75	43	59	38	7.3	624	.39	0
12	23.57	73	44	58	26	10.4	597	.07	0
13	23.57	73	43	58	39	8.1	649	.35	0
14	23.56	71	40	56	61	9.0	589	.24	.50
15	23.62	72	37	55	60	10.7	401	.25	0
16	23.69	71	31	51	55	10.0	1016	.06	0
17	23.57	62	32	47	38	6.2	597	.12	0
18	23.45	65	38	51	51	7.8	520	.46	0
19	23.18	65	40	52	37	7.4	538	.22	0
20	23.17	57	33	45	85	0	324	-.05	.11
21	23.42	38	26	32	73	7.8	564	.03	.22
22	23.64	43	24	34	46	9.7	683	.06	.05
23	23.69	52	28	40	61	9.0	718	.13	0
24	23.65	55	28	41	52	7.2	581	.03	.02
25	23.57	59	35	47	41	10.3	641	.39	0
26	23.54	66	35	51	52	7.8	581	.13	0
27	23.63	62	26	44	44	10.3	265	.06	0
28	23.42	54	28	41	49	6.9	-	.07	0
29	23.32	46	27	37	88	0	-	-.02	.05
30	23.49	35	21	28	59	5.8	470	.23	0
31	23.48	35	07	21	56	5.6	606	.04	0
MEAN	23.57	64	35	49	43	8.2	596	.19	.03
TOTAL								5.87	.95

See Table 1 for abbreviations and units.

Table 21
COMPOSITE PROFILE
NOVEMBER 1979

<u>Day</u>	<u>BarPr</u>	<u>Tmax</u>	<u>Tmin</u>	<u>Tmean</u>	<u>RH%</u>	<u>DSD</u>	<u>TSR</u>	<u>EVAP</u>	<u>PPN</u>	
1	23.53	34	11	22	66	6.5	564	.02	-	
2	23.65	39	15	27	62	7.3	555	.07	0	
3	23.53	46	21	34	35	8.0	589	.13	0	
4	23.41	48	23	35	46	9.3	453	.13	0	
5	23.68	46	23	34	52	0.4	495	.03	0	
6	23.70	46	26	36	68	7.3	240	-	.02	
7	23.51	48	30	39	64	1.3	-	.04	0	
8	23.29	44	27	36	64	0	-	.06	0	
9	23.35	46	23	35	39	6.3	-	.06	0	
10	23.46	42	22	32	41	1.8	-	.05	0	
11	23.61	41	21	31	49	0	-	.08	0	
12	23.75	41	19	30	34	0	564	.10	0	
13	23.73	45	23	34	39	3.1	555	.04	0	
14	23.78	45	18	32	42	3.0	538	.03	0	
15	23.84	44	17	31	46	9.4	538	.04	0	
16	23.74	47	19	33	40	9.5	538	.07	0	
17	23.48	48	24	36	51	9.5	461	.30	0	
18	23.40	49	26	38	79	9.6	384	-.22	.61	
19	23.46	40	15	28	85	9.7	367	-.19	.07	
20	23.49	27	19	23	89	8.3	444	-	.37	
21	23.76	27	10	19	70	9.8	487	-	.21	
22	23.69	30	05	17	50	4.0	547	-	.06	
23	23.49	33	12	23	89	5.2	316	-	.12	
24	23.50	33	08	21	45	1.4	401	-	0	
25	23.41	33	20	27	63	6.6	547	-	0	
26	23.31	37	14	26	73	6.3	393	-	.04	
27	23.71	31	00	16	51	8.5	583	.02	0	
28	23.96	27	-05	11	60	5.8	520	.08	0	
29	23.87	21	-05	08	59	4.0	564	.74	0	
30	23.76	20	-05	08	63	9.8	487	.23	0	
MEAN		23.60	39	16	27	57	5.7	485	.09	.05
TOTAL								1.91	1.50	

See Table 1 for abbreviations and units.

Table 22
COMPOSITE PROFILE
DECEMBER 1979

Day	BarPr	Tmax	Tmin	Tmean	RH%	DSD	TSR	EVAP	PPN	
1	23.78	23	0	12	74	6.9	504	.01	0	
2	23.74	32	9	21	60	3.3	470	.10	0	
3	23.91	38	18	28	58	8.1	504	.05	0	
4	23.81	46	17	31	50	6.3	418	.17	0	
5	23.55	48	20	34	59	7.4	453	.06	0	
6	23.50	41	19	30	59	8.1	487	.03	0	
7	23.60	42	19	31	66	0	512	.04	0	
8	23.75	41	19	30	62	5.4	453	.03	0	
9	23.76	43	16	30	59	6.7	829	.05	0	
10	23.43	45	13	29	57	8.1	846	.06	0	
11	23.56	38	03	21	52	8.8	597	.03	0	
12	23.64	23	01	12	62	8.8	461	.02	0	
13	23.83	27	01	14	57	7.3	470	.02	0	
14	23.78	28	05	17	63	8.8	495	.03	0	
15	23.66	34	12	23	48	8.8	461	.08	0	
16	23.78	45	18	32	38	8.8	495	.06	0	
17	23.88	47	11	29	53	8.8	487	.06	0	
18	23.73	41	14	28	55	8.8	466	.02	0	
19	23.64	40	12	26	52	8.7	436	.04	0	
20	23.61	43	20	32	48	3.3	358	.09	0	
21	23.30	42	23	33	84	0.8	358	-.20	.01	
22	23.24	37	24	31	79	0	299	.04	.33	
23	23.54	38	12	25	57	8.3	316	-	0	
24	23.66	38	19	28	55	0	436	-	0	
25	23.65	41	19	20	47	0	401	.00	0	
26	23.60	42	31	37	66	5.8	375	.00	0	
27	23.62	-	-	-	72	0	324	.00	.01	
28	23.76	37	18	27	63	3.7	358	.00	0	
29	23.67	38	23	31	56	0	342	.00	0	
30	23.69	38	18	28	60	0	384	.00	0	
31	23.72	33	05	19	87	2.6	444	.00	0	
MEAN		23.66	38	15	26	60	5.2	428	.03	.01
TOTAL								.89	.35	

See Table 1 for abbreviations and units.

LEGEND

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SCALE: 1:50

Table 23
WIND ROSE, JULY 1979
Station #1, 100 feet
615 hours (82.7 percent)

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	0.3	1.6	2.8	1.1	5.9
NNE	0.2	1.5	1.5	0.5	3.6
NE	0.5	1.6	1.3	0.7	4.1
ENE	0.3	0.8	0.5	0.3	2.0
E	0.5	1.1	0.2	0.0	1.8
ESE	0.5	1.6	1.1	0.3	3.6
SE	0.2	1.8	1.5	1.1	4.6
SSE	0.5	2.8	1.1	2.8	7.2
S	0.3	1.3	3.7	9.1	14.5
SSW	0.3	2.4	6.7	6.7	16.1
SW	0.2	1.6	4.6	2.9	9.3
WSW	0.3	1.1	2.8	1.1	5.4
W	0.7	2.1	1.3	1.0	5.0
WNW	0.5	2.1	2.1	0.8	5.5
NW	0.5	2.4	2.1	1.0	6.0
NNW	0.5	2.3	2.6	0.3	5.7
TOTAL	6.2	28.3	35.8	29.8

LEGEND

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SCALE: 1:50

Table 24
WIND ROSE, AUGUST 1979
Station #1, 100 feet
633 hours (85.1 percent)

	LE 3.0	1.0 7.0	GE 7.0	GE 12.0	TOTAL
N	0.6	0.6	0.9	0.8	3.0
NNE	0.5	0.9	1.6	0.5	3.5
NE	0.3	1.4	1.9	0.8	4.4
ENE	0.6	1.9	0.3	0.0	2.8
E	0.5	0.6	0.3	0.3	1.7
ESE	0.3	0.5	1.4	0.2	2.4
SE	0.3	0.6	1.1	2.1	4.1
SSE	0.6	1.6	2.8	6.5	11.5
S	0.3	3.2	5.4	12.2	21.0
SSW	0.5	2.8	7.7	7.1	18.2
SW	0.3	2.1	3.2	2.4	7.9
WSW	0.6	0.6	1.3	0.5	3.0
W	0.3	1.4	1.4	0.6	3.8
WNW	0.0	2.2	1.7	1.4	5.4
NW	0.2	1.4	1.9	0.9	4.4
NNW	0.2	1.1	1.3	0.3	2.8
TOTAL	6.2	23.1	34.3	36.5

LEGEND

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SCALE: 1:50

Table 25
WIND ROSE, SEPTEMBER 1979
Station #1, 100 feet
720 hours (100.0 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.1	1.0	0.6	0.4	2.1
NNE	0.0	2.5	2.5	1.2	6.2
NE	0.3	1.5	2.2	1.4	5.4
ENE	0.6	0.7	0.8	0.1	2.2
E	0.1	0.6	0.3	0.1	1.1
ESE	1.0	0.7	0.6	0.0	2.2
SE	0.7	1.4	0.6	0.6	3.2
SSE	0.1	1.9	0.7	3.4	6.2
S	0.1	1.2	6.6	14.4	22.4
SSW	0.6	1.8	8.5	10.3	21.2
SW	0.4	2.3	4.0	2.8	9.5
WSW	0.4	0.8	1.7	0.8	3.7
W	0.3	1.1	0.8	1.0	3.2
WNW	0.4	1.2	1.1	0.4	3.2
NW	0.3	1.8	2.3	0.7	5.1
NNW	0.4	1.5	1.2	0.1	3.3
TOTAL	5.8	22.0	34.4	37.8

LEGEND

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SCALE: 1:50

Table 26
WIND ROSE, OCTOBER 1979
Station #1, 100 feet
738 hours (99.2 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.2	0.8	1.1	1.5	4.6
NNE	0.3	2.3	2.6	2.2	7.3
NE	0.3	2.6	2.3	0.8	6.0
ENE	1.5	2.0	1.1	0.1	4.7
E	1.1	0.9	0.3	0.1	2.4
ESE	0.3	0.5	0.3	0.0	1.1
SE	0.8	1.1	0.1	0.4	2.4
SSE	0.3	0.9	1.2	1.4	3.8
S	0.1	1.5	6.8	12.2	20.6
SSW	0.5	2.6	8.9	6.4	18.4
SW	0.4	1.5	2.3	1.5	5.7
WSW	0.4	1.9	1.1	0.7	4.1
W	0.7	1.4	1.1	0.4	3.5
WNW	0.4	1.9	2.6	0.4	5.3
NW	0.5	2.3	2.2	0.4	5.4
NNW	0.1	2.4	1.6	0.4	4.6
TOTAL	8.9	26.7	35.5	28.9

LEGEND

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SCALE: 1:50

Table 27

WIND ROSE, NOVEMBER 1979
Station #1, 100 feet
680 hours (94.4 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.0	1.2	0.7	0.1	3.1
NNE	1.0	2.5	0.7	0.6	4.9
NE	0.6	4.3	0.6	0.3	5.7
ENE	1.6	1.6	0.1	0.0	3.4
E	0.3	0.4	0.0	0.0	0.7
ESE	1.8	1.2	0.1	0.1	3.1
SE	1.2	0.7	0.7	0.0	2.6
SSE	0.9	1.0	1.9	1.8	5.6
S	0.4	2.4	5.9	8.2	16.9
SSW	0.6	4.6	9.0	3.7	17.8
SW	0.4	3.7	3.2	0.6	7.9
WSW	0.6	1.5	0.9	0.6	3.5
W	0.4	0.7	1.6	0.7	3.5
WNW	0.1	2.6	2.6	1.6	7.1
NW	0.4	2.2	3.8	1.0	7.5
NNW	1.0	2.8	2.4	0.4	6.6

TOTAL 12.5 33.4 34.4 19.7

LEGEND

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SCALE: 1:50

Table 28
WIND ROSE, DECEMBER 1979
Station #1, 100 feet
744 hours (100.0 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.7	1.7	0.4	3.9	
NNE	1.9	3.6	0.7	0.3	6.5
NE	1.2	4.3	0.3	0.1	5.9
ENE	2.6	2.2	0.3	0.1	5.1
E	2.7	3.0	0.1	0.0	5.8
ESE	1.3	2.3	0.3	0.0	3.9
SE	1.7	1.6	0.3	0.0	3.6
SSE	1.1	2.4	0.7	1.5	5.6
S	1.3	1.6	4.3	9.7	16.9
SSW	1.2	3.1	4.4	3.9	12.6
SW	1.2	3.8	1.3	0.3	6.6
WSW	1.5	2.7	0.7	0.3	5.1
W	0.5	3.0	0.9	0.3	4.7
WNW	0.9	2.0	1.1	0.4	4.4
NW	1.7	2.7	1.3	0.0	5.8
NNW	0.8	2.3	0.4	0.0	3.5

TOTAL 23.5 42.2 17.5 16.8

LEGEND

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SCALE: 1:50

Table 29

WIND ROSE, JULY 1979
Station #1, 33 feet
615 hours (82.7 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.7	2.0	1.5	0.7	4.7
NNE	0.2	2.1	1.3	0.5	4.1
NE	0.2	1.0	0.5	0.3	2.0
ENE	0.3	0.3	0.8	0.0	1.5
E	0.7	0.8	0.3	0.0	1.8
ESE	0.3	0.8	0.7	0.0	1.8
SE	0.5	1.1	0.3	1.0	2.9
SSE	1.1	1.8	1.6	2.8	7.3
S	1.1	2.8	3.1	3.3	10.2
SSW	2.1	8.5	8.5	3.3	22.3
SW	1.1	7.2	4.1	1.8	14.1
WSW	1.0	2.6	1.0	0.8	5.4
W	0.5	2.4	2.3	0.5	5.7
WNW	0.7	2.9	1.8	0.0	5.4
NW	0.5	3.1	1.5	0.7	5.7
NNW	0.3	2.6	1.8	0.5	5.2

TOTAL 11.2 42.0 30.9 15.9

LEGEND

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SCALE: 1:50

Table 30
WIND ROSE, AUGUST 1979
Station #1, 33 feet
633 hours (85.1 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.5	1.1	1.3	0.3	3.2
NNE	0.8	1.3	0.9	0.5	3.5
NE	0.2	1.7	0.5	0.5	2.8
ENE	0.8	1.7	0.0	0.0	2.5
E	0.2	0.8	0.2	0.0	1.1
ESE	0.3	0.6	0.2	0.0	1.1
SE	0.2	1.9	0.8	0.9	3.8
SSE	0.6	1.7	2.2	3.3	7.9
S	1.6	3.5	6.3	5.7	17.1
SSW	1.3	8.7	11.1	3.5	24.5
SW	1.1	7.0	3.2	1.7	13.0
WSW	0.5	1.9	0.9	0.2	3.5
W	0.9	1.4	2.1	0.3	4.7
WNW	0.0	2.2	2.1	0.3	4.6
NW	0.5	2.4	0.6	0.3	3.8
NNW	0.3	1.1	1.3	0.3	3.0
TOTAL	9.6	39.0	33.5	17.9

LEGEND

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SCALE: 1:50

Table 31
WIND ROSE, SEPTEMBER 1979
Station #1, 33 feet
720 hours (100.0 percent)

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	0.1	1.5	1.7	0.1	3.4
NNE	0.6	2.2	1.7	1.0	5.4
NE	0.4	1.8	1.2	0.7	4.1
ENE	0.6	0.8	0.6	0.0	1.9
E	0.7	0.4	0.1	0.3	1.5
ESE	0.3	0.3	0.3	0.0	0.8
SE	0.0	0.4	0.4	0.0	0.8
SSE	0.1	1.5	1.4	1.1	4.1
S	1.2	2.6	5.1	4.3	13.2
SSW	0.8	7.4	15.0	5.1	28.3
SW	0.8	7.7	6.7	1.8	17.1
WSW	0.7	1.2	1.4	0.7	4.0
W	0.7	1.9	1.4	0.6	4.5
WNW	0.3	1.9	0.7	0.1	3.0
NW	0.3	2.8	1.1	0.1	4.3
NNW	0.1	1.8	1.1	0.4	3.4
TOTAL	7.7	36.3	39.8	16.2

LEGEND

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SCALE: 1:50

Table 32
WIND ROSE, OCTOBER 1979
Station #1, 33 feet
738 hours (99.2 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.1	1.4	1.2	1.1	3.8
NNE	0.3	3.5	2.8	1.2	7.9
NE	0.8	3.7	0.9	0.1	5.6
ENE	1.6	0.5	0.4	0.1	2.7
E	0.7	0.7	0.0	0.0	1.4
ESE	0.4	0.5	0.1	0.0	1.1
SE	0.8	0.1	0.0	0.1	1.1
SSE	0.9	0.4	0.7	1.1	3.1
S	1.4	3.1	3.3	3.9	11.7
SSW	0.9	8.3	10.6	4.1	23.8
SW	1.8	8.5	3.5	0.8	14.6
WSW	0.1	2.7	0.5	0.5	3.9
W	0.4	2.6	1.2	0.4	4.6
WNW	0.4	2.0	1.2	0.0	3.7
NW	0.8	4.1	1.1	0.1	6.1
NNW	0.9	2.2	1.4	0.5	5.0
TOTAL	12.5	44.3	29.0	14.2

LEGEND

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SCALE: 1:50

Table 33
WIND ROSE, NOVEMBER 1979
Station #1, 33 feet
680 hours (94.4 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.5	3.4	0.9	0.1	5.9
NNE	1.3	1.1	0.7	0.1	4.3
NE	1.2	2.6	0.1	0.1	4.1
ENE	1.0	1.5	0.0	0.0	2.5
E	1.5	0.4	0.0	0.0	1.9
ESE	0.9	0.4	0.0	0.0	1.3
SE	1.6	0.6	0.1	0.1	2.5
SSE	1.0	2.1	0.9	0.6	4.6
S	2.1	3.4	5.0	1.2	11.6
SSW	2.4	13.8	10.6	0.7	27.5
SW	1.0	5.9	4.0	0.0	10.9
WSW	0.9	1.6	0.7	0.1	3.4
W	0.9	1.0	0.7	0.0	2.6
WNW	0.4	2.4	1.5	0.3	4.6
NW	0.9	4.6	1.2	0.6	7.2
NNW	0.7	2.9	1.3	0.1	5.1
TOTAL	19.3	48.7	27.8	4.3

LEGEND

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SCALE: 1:50

Table 34
WIND ROSE, DECEMBER 1979
Station #1, 33 feet
744 hours (100.0 percent)

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	1.5	3.0	0.1	0.0	4.6
NNE	2.7	2.8	0.1	0.1	5.8
NE	3.2	3.1	0.3	0.1	6.7
ENE	1.6	1.3	0.1	0.0	3.1
E	2.4	0.4	0.0	0.0	2.8
ESE	2.4	0.8	0.0	0.0	3.2
SE	3.2	1.3	0.1	0.1	4.8
SSE	3.8	1.2	0.7	0.5	6.2
S	3.0	3.2	5.4	3.4	14.9
SSW	3.0	7.4	6.2	1.3	17.9
SW	1.9	6.7	1.6	0.3	10.5
WSW	1.3	2.4	0.3	0.0	4.0
W	1.2	1.3	0.4	0.0	3.0
WNW	1.3	2.4	0.8	0.1	4.7
NW	1.7	2.8	0.3	0.1	5.0
NNW	1.2	1.3	0.3	0.0	2.8
TOTAL	35.5	41.7	16.7	6.2

LEGEND

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SCALE: 1:50

Table 35

WIND ROSE, AUGUST 1979
Station #2, 33 feet
608 hours (81.7 percent)

	LE 3:0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	0.3	1.0	0.7	0.3	2.3
NNE	0.7	1.3	1.2	0.3	3.5
NE	0.7	1.3	0.7	3.0	5.7
ENE	0.7	0.5	1.5	0.0	2.6
E	0.8	1.0	0.2	0.0	2.0
ESE	1.8	0.7	0.8	0.2	3.5
SE	0.8	1.3	1.2	0.3	3.6
SSE	0.5	1.2	1.8	1.0	4.4
S	3.1	5.1	3.1	1.6	13.0
SSW	1.6	12.5	11.2	0.8	26.2
SW	1.6	9.4	3.9	1.0	16.0
WSW	1.8	2.1	1.2	0.7	5.8
W	1.0	2.0	0.8	0.2	3.9
WNW	0.2	2.6	1.5	0.0	4.3
NW	1.0	0.8	1.2	0.2	3.1
NNW	1.0	1.0	0.8	0.2	3.0
TOTAL	17.6	43.8	31.6	7.1

LEGEND

————	< 3
- - - - -	3 - 7
.	7 - 12
=====	> 12

SCALE: 1:50

Table 36

WIND ROSE, SEPTEMBER 1979
Station #2, 33 feet
722 hours (100.0 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.3	2.2	1.8	0.6	4.9
NNE	0.4	1.4	1.4	0.4	3.6
NE	0.4	1.1	1.1	0.4	3.1
ENE	0.7	0.6	0.4	0.0	1.7
E	0.1	0.4	0.1	0.0	0.7
ESE	0.4	0.1	0.1	0.0	0.7
SE	0.7	0.6	0.3	0.1	1.7
SSE	0.6	1.4	0.7	0.7	3.3
S	0.7	3.2	2.4	0.1	6.4
SSW	1.7	11.0	14.7	1.4	28.8
SW	3.3	7.8	8.2	1.0	20.3
WSW	2.8	1.7	1.4	1.1	6.9
W	2.1	2.2	1.7	0.6	6.5
WNW	1.1	2.4	0.4	0.4	4.3
NW	0.6	1.4	1.1	0.0	3.1
NNW	0.7	2.4	1.0	0.1	4.2

TOTAL 16.5 39.7 36.8 6.9

LEGEND

—————	< 3
-----	3-7
- - - - -	7-12
=====	> 12

SCALE: 1:50

Table 37
WIND ROSE, OCTOBER 1979
Station #2, 33 feet
744 hours (100.0 percent)

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	1.3	1.7	1.1	1.1	5.2
NNE	1.1	2.8	1.6	0.1	5.6
NE	0.9	1.6	0.7	0.0	3.2
ENE	0.8	0.7	0.3	0.1	1.9
E	1.1	1.2	0.1	0.0	2.4
ESE	0.5	0.0	0.0	0.0	0.5
SE	0.4	0.3	0.0	0.3	0.9
SSE	0.8	0.5	0.4	0.5	2.3
S	1.5	3.4	1.1	1.2	7.1
SSW	1.5	0.5	11.0	1.3	23.4
SW	3.2	7.9	5.1	0.7	16.9
WSW	2.7	0.8	0.0	4.2	7.7
W	1.6	3.1	1.1	0.1	5.9
WNW	2.3	3.2	1.7	0.4	7.7
NW	2.3	3.6	1.5	0.0	7.4
NNW	1.6	3.0	0.7	0.0	5.2
TOTAL	23.7	43.4	27.0	5.9

Table 38
WIND ROSE, NOVEMBER 1979
Station #2, 33 feet
720 hours (100.0 percent)

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	2.1	1.5	0.6	0.0	4.2
NNE	1.3	1.9	0.3	0.0	3.5
NE	0.8	3.3	0.4	0.0	4.6
ENE	0.3	1.0	0.0	0.0	1.3
E	0.8	0.3	0.0	0.0	1.1
ESE	0.3	0.0	0.0	0.0	0.3
SE	0.8	0.1	0.0	0.0	1.0
SSE	1.1	1.8	0.7	0.0	3.6
S	1.7	2.6	1.4	0.3	6.0
SSW	4.7	12.9	9.9	0.3	27.8
SW	5.8	6.4	2.1	0.0	14.3
WSW	4.4	2.1	0.6	0.4	7.5
W	4.4	2.4	1.1	0.0	7.9
WNW	1.5	3.1	1.1	0.3	6.0
NW	1.4	3.9	1.1	0.1	6.5
NNW	1.1	2.4	1.0	0.1	4.6
TOTAL	32.6	45.7	20.1	1.5

Table 39
WIND ROSE, DECEMBER 1979
Station #2, 33 feet
744 hours (100.0 percent)

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	3.0	1.3	0.1	0.0	4.4
NNE	1.1	2.4	0.1	0.0	3.6
NE	3.2	3.6	0.3	0.1	7.3
ENE	1.2	0.9	0.0	0.0	2.2
E	0.9	0.1	0.3	0.0	1.3
ESE	1.1	0.3	0.1	0.0	1.5
SE	1.2	0.3	0.0	0.0	1.5
SSE	2.8	0.8	0.4	0.1	4.2
S	4.4	3.4	1.7	0.8	10.3
SSW	5.6	6.7	4.7	0.8	17.9
SW	8.5	3.9	1.2	0.3	13.8
WSW	7.0	1.6	0.1	0.0	8.7
W	5.9	3.2	0.1	0.0	9.3
WNW	2.2	2.2	0.7	0.0	5.0
NW	2.6	1.5	0.4	0.0	4.4
NNW	2.0	2.3	0.1	0.1	4.6
TOTAL	52.7	34.5	10.5	2.3	

LEGEND

—————	< 3
- - - - -	3-7
- - - - -	7-12
=====	> 12

SCALE: 1:50

SCALE: 1:50

Table 40
 WIND ROSE, THIRD QUARTER 1979
 (July - September)
 Station #1, 100 feet

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	0.3	1.1	1.4	0.8	3.6
NNE	0.2	1.7	1.9	0.8	4.6
NE	0.3	1.5	1.8	1.0	4.6
ENE	0.5	1.1	0.6	0.2	2.4
E	0.3	0.8	0.2	0.2	1.5
ESE	0.3	0.9	1.0	0.2	2.7
SE	0.3	1.3	1.0	1.2	3.8
SSE	0.3	2.1	1.5	4.2	8.1
S	0.2	1.9	5.3	12.0	19.4
SSW	0.5	2.3	7.7	8.1	18.6
SW	0.2	2.0	3.9	2.7	8.8
WSW	0.5	1.4	1.9	0.8	4.6
W	0.3	1.5	1.2	0.9	3.9
WNW	0.2	1.8	1.6	0.9	4.5
NW	0.2	1.9	2.1	0.9	5.1
NNW	0.3	1.6	1.7	0.2	3.8
TOTAL	5.2	24.9	34.8	35.1

LEGEND

—————	< 3
- - - - -	3 - 7
- - - - -	7 - 12
=====	> 12

SCALE: 1:50

Table 41

WIND ROSE, FOURTH QUARTER 1979
(October - December)
Station #1, 100 feet

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.3	1.2	0.7	0.6	3.8
NNE	1.1	2.8	1.3	1.0	6.2
NE	0.7	3.7	1.1	0.4	5.9
ENE	1.9	1.9	0.5	0.1	4.4
E	1.4	1.5	0.1	0.1	3.1
ESE	1.1	1.3	0.2	0.0	2.6
SE	1.2	1.2	0.4	0.1	2.9
SSE	0.7	1.5	1.2	1.5	4.9
S	0.6	1.8	5.6	10.0	18.0
SSW	0.8	3.4	7.4	4.7	16.3
SW	0.7	2.9	2.3	0.6	6.5
WSW	0.8	2.0	0.9	0.6	4.3
W	0.6	1.7	1.2	0.5	4.0
WNW	0.5	2.2	2.1	0.8	5.6
NW	0.9	2.4	2.4	0.5	6.2
NNW	0.6	2.5	1.9	0.3	5.3

TOTAL 14.9 34.0 29.3 21.8

LEGEND

—————	< 3
-----	3-7
- - - - -	7-12
=====	> 12

SCALE: 1:50

Table 42
WIND ROSE, SECOND HALF 1979
(July - December)

Station #1, 100 feet

	LE 3.0	3.0 7.0	GE 7.0	GE 12.0	TOTAL
N	0.9	1.2	1.0	0.6	3.7
NNE	0.6	2.3	1.6	0.9	5.4
NE	0.5	2.6	1.4	0.7	5.2
ENE	1.2	1.5	0.5	0.1	3.3
E	1.0	1.1	0.2	0.2	2.5
ESE	0.9	1.1	0.6	0.2	2.8
SE	0.8	1.2	0.7	0.6	3.3
SSE	0.6	1.8	0.4	2.8	6.6
S	0.7	1.8	5.4	10.9	18.8
SSW	0.6	2.9	7.5	6.3	17.3
SW	0.5	2.5	3.0	1.7	7.7
WSW	0.6	1.7	1.3	0.6	4.2
W	0.5	1.6	1.2	0.6	3.9
WNW	0.4	2.0	1.8	0.8	5.0
NW	0.6	2.1	2.3	0.6	5.6
NNW	0.5	2.1	1.8	0.3	4.7
TOTAL	10.9	29.5	31.7	27.9

LEGEND

—————	< 3
-----	3-7
- . - . - .	7-12
=====	> 12

SCALE: 1:50

Table 43
WIND ROSE, THIRD QUARTER 1979
(July - September)
Station #1, 33 feet

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.4	1.5	1.5	0.4	3.8
NNE	0.5	1.9	1.3	0.7	4.4
NE	0.2	1.5	0.8	0.5	3.0
ENE	0.6	1.0	0.5	0.0	2.1
E	0.5	0.7	0.1	0.1	1.4
ESE	0.3	0.6	0.2	0.0	1.1
SE	0.1	1.1	0.5	0.6	2.3
SSE	0.6	1.7	1.7	2.3	6.3
S	1.3	2.9	4.9	4.4	13.5
SSW	1.4	8.2	11.7	4.0	25.3
SW	1.0	7.3	4.8	1.8	14.9
WSW	0.7	1.9	1.1	0.6	4.3
W	0.7	1.9	1.9	0.5	5.0
WNW	0.3	2.3	1.5	0.1	4.2
NW	0.4	2.7	1.1	0.4	4.6
NNW	0.2	1.8	1.4	0.4	3.8
TOTAL	9.2	39.0	35.0	16.8

SCALE: 1:50

Table 44
WIND ROSE, FOURTH QUARTER 1979
(October - December)
Station #1, 33 feet

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.0	2.5	0.7	0.4	4.6
NNE	1.4	2.8	1.2	0.5	5.9
NE	1.8	3.1	0.5	0.2	5.6
ENE	1.4	1.1	0.2	0.1	2.8
E	1.5	0.5	0.0	0.0	2.0
ESE	1.2	0.6	0.0	0.0	1.8
SE	1.9	0.7	0.1	0.1	2.8
SSE	1.9	1.2	0.7	0.7	4.5
S	2.1	3.2	4.5	2.9	12.7
SSW	2.1	9.7	9.1	2.1	23.0
SW	1.6	7.1	3.0	0.4	12.1
WSW	0.8	2.3	0.5	0.3	3.9
W	0.8	1.7	0.8	0.2	3.5
WNW	0.7	2.3	1.2	0.2	4.4
NW	1.2	3.8	0.8	0.3	6.1
NNW	1.0	2.1	1.0	0.2	4.3

TOTAL 22.4 44.7 24.3 8.5

	LE	3.0	GE	GE	
	<u>3.0</u>	<u>7.0</u>	<u>7.0</u>	<u>12.0</u>	<u>TOTAL</u>
N	0.7	2.1	1.1	0.4	4.3
NNE	1.0	2.4	1.3	0.6	5.3
NE	1.0	2.4	0.6	0.3	4.3
ENE	1.0	1.0	0.3	0.0	2.3
E	1.0	0.6	0.1	0.1	1.8
ESE	0.8	0.6	0.2	0.0	1.6
SE	1.1	0.9	0.3	0.4	2.7
SSE	1.3	1.4	1.2	1.5	5.4
S	1.7	3.1	4.7	3.6	13.1
SSW	1.7	9.0	10.3	3.0	24.0
SW	1.3	7.2	3.8	1.0	13.3
WSW	0.7	2.1	0.8	0.4	4.0
W	0.8	1.8	1.3	0.3	4.2
WNW	0.5	2.3	1.3	0.2	4.3
NW	0.8	3.3	0.9	0.3	5.3
NNW	0.6	2.0	1.2	0.3	4.1

55

LEGEND

—————	< 3
- - - - -	3-7
- - - - -	7-12
=====	> 12

SCALE: 1:50

Table 46
WIND ROSE, THIRD QUARTER 1979
(July - September)
Station #2, 33 feet

	NE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	0.3	1.7	1.3	0.5	3.8
NNE	0.5	1.4	1.3	0.4	3.6
NE	0.5	1.2	0.9	0.4	3.0
ENE	0.7	0.5	0.9	0.0	2.1
N	0.5	0.7	0.2	0.0	1.4
ESE	1.0	0.4	0.5	0.0	1.9
SE	0.8	0.9	0.7	0.2	2.6
SSE	0.5	1.2	1.2	0.8	3.7
S	1.7	4.1	2.7	0.8	9.3
SSW	1.7	11.7	13.1	1.1	27.6
SW	2.6	8.5	6.3	1.0	18.4
WSW	2.3	1.9	1.3	0.9	6.4
W	1.6	2.1	1.3	0.4	5.4
WNW	0.7	2.5	0.9	0.2	4.3
NW	0.8	1.1	1.1	0.0	3.0
NNW	0.8	1.7	0.9	0.1	3.5

TOTAL 17.0 41.6 34.6 6.8

LEGEND

—————	< 3
- - - - -	3-7
- . - . -	7-12
=====	> 12

SCALE: 1:50

Table 47

WIND ROSE, FOURTH QUARTER 1979
(October - December)
Station #2, 33 feet

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	2.1	1.5	0.6	0.4	4.6
NNE	1.1	2.4	0.7	0.0	4.2
NE	1.7	2.9	0.5	0.0	5.1
ENE	0.8	0.9	0.1	0.0	1.8
E	1.0	0.5	0.1	0.0	1.6
ESE	0.6	0.1	0.0	0.0	0.7
SE	0.8	0.3	0.0	0.1	1.2
SSE	1.6	1.0	0.5	0.3	3.4
S	2.5	3.1	1.4	0.8	7.8
SSW	3.9	9.7	8.5	0.8	22.9
SW	5.8	6.1	2.8	0.3	15.0
WSW	4.7	1.5	0.5	0.1	6.8
W	4.0	2.9	0.8	0.0	7.7
WNW	2.0	2.8	1.2	0.3	6.3
NW	2.1	3.0	1.0	0.0	6.1
NNW	1.6	2.5	0.6	0.1	4.8
TOTAL	36.3	41.2	19.3	3.2

LEGEND

<u>————</u>	< 3
<u>-----</u>	3-7
<u>-----</u>	7-12
<u>=====</u>	> 12

SCALE: 1:50

Table 48

WIND ROSE, SECOND HALF 1979
(July - December)
Station #2, 33 feet

	LE	3.0	GE	GE	
	<u>3.0</u>	<u>7.0</u>	<u>7.0</u>	<u>12.0</u>	<u>TOTAL</u>
N	1.4	1.6	0.8	0.4	4.2
NNE	0.9	2.0	0.9	0.2	4.0
NE	1.2	2.2	0.6	0.2	4.2
ENE	0.7	0.7	0.4	0.0	1.8
E	0.8	0.6	0.1	0.0	1.5
ESE	0.3	0.2	0.2	0.0	1.2
SE	0.8	0.5	0.3	0.1	1.7
SSE	1.2	1.1	0.8	0.5	3.6
S	2.3	3.5	1.9	0.8	8.5
SSW	3.1	10.4	10.2	0.9	24.6
SW	4.6	7.0	4.1	0.6	16.3
WSW	3.8	1.6	0.8	0.4	6.6
W	3.1	2.6	1.0	0.2	6.9
WNW	1.5	2.7	1.1	0.2	5.5
NW	1.6	2.3	1.1	0.1	5.1
NNW	1.3	2.2	0.7	0.1	4.3
TOTAL	29.1	41.2	25.0	4.7

LEGEND

—————	< 3
- - - - -	3-7
- - - - -	7-12
=====	> 12

SCALE: 1:50

Table 49

WIND ROSE, COMPOSITE, SECOND HALF 1979
Stations #1 and #2, 33 feet

	LE	3.0	GE	GE	
	3.0	7.0	7.0	12.0	TOTAL
N	1.1	1.8	1.0	0.4	4.3
NNE	1.0	2.2	1.1	0.4	4.7
NE	1.1	2.3	0.6	0.2	4.2
ENE	0.9	0.9	0.4	0.0	2.2
E	0.9	0.6	0.1	0.0	1.6
ESE	0.8	0.4	0.2	0.0	1.4
SE	1.0	0.7	0.3	0.3	2.3
SSE	1.3	1.3	1.0	1.0	4.6
S	2.0	3.3	3.4	2.3	11.0
SSW	2.4	9.6	10.3	2.0	24.3
SW	2.8	7.1	4.0	0.8	14.7
WSW	2.2	1.9	0.8	0.4	5.3
W	1.8	2.2	1.1	0.2	5.3
WNW	1.0	2.5	1.2	0.1	4.8
NW	1.2	2.8	1.0	0.1	5.1
NNW	0.9	2.1	1.0	0.2	4.2
TOTAL	22.4	41.7	27.5	8.4

LEGEND

<u>————</u>	< 3
- - - - -	3-7
- - - - -	7-12
<u>=====</u>	> 12

SCALE: 1:50

Table 50

WIND ROSE, COMPOSITE, YEAR 1979
Stations #1 and #2, 33 feet

	LE	3.0	GE	GE	
	<u>3.0</u>	<u>7.0</u>	<u>7.0</u>	<u>12.0</u>	<u>TOTAL</u>
N	0.7	1.0	0.5	0.2	2.4
NNE	0.6	1.3	0.6	0.2	2.7
NE	0.7	1.5	0.4	0.1	2.7
ENE	0.7	1.2	0.7	0.3	2.9
E	0.6	0.7	0.6	0.7	2.6
ESE	0.7	1.2	2.0	2.9	6.8
SE	0.9	4.2	3.0	1.5	9.6
SSE	0.9	3.3	1.2	1.2	6.6
S	1.4	2.8	3.4	3.5	11.1
SSW	1.3	5.7	5.6	6.3	18.9
SW	1.6	4.6	2.5	3.9	12.6
WSW	1.2	1.9	0.8	1.7	5.6
W	1.0	2.0	0.9	0.2	4.1
WNW	0.7	2.1	0.8	0.1	3.7
NW	0.9	3.3	0.7	0.1	5.0
NNW	0.5	1.5	0.6	0.1	2.7

TOTAL 14.4 38.3 24.3 23.0

APPENDIX B. FIGURES

1. Maximum and minimum temperature (F°), July - September, 1979.
2. Maximum and minimum temperature (F°), October - December, 1979.
3. Mean daily temperature (F°), July - September, 1979.
4. Mean daily temperature (F°), October - December, 1979.
5. Mean daily temperature (°C), Station A-04, 100 ft., July - September, 1979.
6. Mean daily temperature (°C), Station A-04, 33 ft., July - September, 1979.
7. Mean daily temperature (°C), Station A-04, 10 ft., July - September, 1979.
8. Mean daily temperature (°C), Station A-04, 100 ft., October - December, 1979.
9. Mean daily temperature (°C), Station A-04, 33 ft., October - December, 1979.
10. Mean daily temperature (°C), Station A-04, 10 ft., October - December, 1979.
11. Mean daily temperature (°C), Station A-07, 33 ft., July - September, 1979.
12. Mean daily temperature (°C), Station A-07, 33 ft., October - December, 1979.

FIGURE 1

MAXIMUM AND MINIMUM TEMPERATURE ($^{\circ}\text{F}$), JULY - SEPTEMBER, 1979

FIGURE 2
MAXIMUM AND MINIMUM TEMPERATURE (°F), OCTOBER - DECEMBER, 1979

FIGURE 3

MEAN DAILY TEMPERATURE (°F), JULY - SEPTEMBER, 1979

FIGURE 4
MEAN DAILY TEMPERATURE (°F), OCTOBER - DECEMBER, 1979

FIGURE 5

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-04
100 FT., JULY - SEPTEMBER, 1979

FIGURE 6

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-04
33 FT., JULY - SEPTEMBER, 1979

FIGURE 7

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-04
10 FT., JULY - SEPTEMBER, 1979

FIGURE 8

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-04
100 FT., OCTOBER - DECEMBER, 1979

FIGURE 9

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-04
33 FT., OCTOBER - DECEMBER, 1979

FIGURE 10

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-04
10 FT., OCTOBER - DECEMBER, 1979

FIGURE 11

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-07
33 FT., JULY - SEPTEMBER, 1979

FIGURE 12

MEAN DAILY TEMPERATURE ($^{\circ}\text{C}$), STATION A-07
33 FT., OCTOBER - DECEMBER, 1979

APPENDIX C. MAPS

1. General Station Locations.
2. Meteorological Stations in Relationship to retort research areas.

MAP I
GENERALIZED STATION LOCATIONS

SECTION 2, T14S, R22E, UTAH COUNTY, UTAH

GEOKINETICS INC.

0 500' 1000' 2000'
SCALE

METEOROLOGICAL STATIONS IN RELATIONSHIP
TO RETORT RESEARCH AREAS
MAP #2

APPENDIX D. DATA

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station #1

6 JULY 1979 through 31 JULY 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

15 April 80
James B. Mershon, Vice Pres.

PRECIPITATION RECORDINGS

6 JULY 1979 through 31 JULY 1979

DAY	196	(15 JULY)	-	.16"	1900 hrs.
DAY	204	(23 JULY)	-	.01"	2200
DAY	205	(24 JULY)	-	.01"	0600
DAY	207	(26 JULY)	-	.01"	1900

.19" TOTAL FOR PERIOD

PERFORMANCE EVALUATION

System installed and operational on 6 July 79.

100% data retrieval with 1 minor error: WD occasionally exceeds 360°. This is probably due to radio interference and is a rare occurrence. These events can be easily edited from the data base with no compromise on data integrity.

A program error defines minimum wind direction as 99° when the actual does not go below 100. This has been corrected for future reductions and has no effect on calculated averages.

GEOKINETICS MET STATION 1
WIND ROSE VALUES

100' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
2	10	17	7	(36)	N	4	12	9	4	(29)	
1	9	9	3	(22)	N N E	1	13	8	3	(25)	
3	10	8	4	(25)	N E	1	6	3	2	(12)	
2	5	3	2	(12)	E N E	2	2	5	0	(9)	
3	7	1	0	(11)	E	4	5	2	0	(11)	
3	10	7	2	(22)	E S E	2	5	4	0	(11)	
1	11	9	7	(28)	S E	3	7	2	6	(18)	
3	17	7	17	(44)	S S E	7	11	10	17	(45)	
2	8	23	56	(89)	S	7	17	19	20	(63)	
2	15	41	41	(99)	S S W	13	52	52	20	(137)	
1	10	28	18	(57)	S W	7	44	25	11	(87)	
2	7	17	7	(33)	W S W	6	16	6	5	(33)	
4	13	8	6	(31)	W	3	15	14	3	(35)	
3	13	13	5	(34)	W N W	4	18	11	0	(33)	
3	15	13	6	(37)	N W	3	19	9	4	(35)	
3	14	16	2	(35)	N N W	2	16	11	3	(32)	

(38)(174)(220)(183)

(69)(258)(190)(98)

100' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
0.3	1.6	2.8	1.1	(5.9)	N	0.7	2.0	1.5	0.7	(4.7)	
0.2	1.5	1.5	0.5	(3.6)	N N E	0.2	2.1	1.3	0.5	(4.1)	
0.5	1.6	1.3	0.7	(4.1)	N E	0.2	1.0	0.5	0.3	(2.0)	
0.3	0.8	0.5	0.3	(2.0)	E N E	0.3	0.3	0.8	0.0	(1.5)	
0.5	1.1	0.2	0.0	(1.8)	E	0.7	0.8	0.3	0.0	(1.8)	
0.5	1.6	1.1	0.3	(3.6)	E S E	0.3	0.8	0.7	0.0	(1.8)	
0.2	1.8	1.5	1.1	(4.6)	S E	0.5	1.1	0.3	1.0	(2.9)	
0.5	2.8	1.1	2.8	(7.2)	S S E	1.1	1.8	1.6	2.8	(7.3)	
0.3	1.3	3.7	9.1	(14.5)	S	1.1	2.8	3.1	3.3	(10.2)	
0.3	2.4	6.7	6.7	(16.1)	S S W	2.1	8.5	8.5	3.3	(22.3)	
0.2	1.6	4.6	2.9	(9.3)	S W	1.1	7.2	4.1	1.8	(14.1)	
0.3	1.1	2.8	1.1	(5.4)	W S W	1.0	2.6	1.0	0.8	(5.4)	
0.7	2.1	1.3	1.0	(5.0)	W	0.5	2.4	2.3	0.5	(5.7)	
0.5	2.1	2.1	0.8	(5.5)	W N W	0.7	2.9	1.8	0.0	(5.4)	
0.5	2.4	2.1	1.0	(6.0)	N W	0.5	3.1	1.5	0.7	(5.7)	
0.5	2.3	2.6	0.3	(5.7)	N N W	0.3	2.6	1.8	0.5	(5.2)	

(6.2)(28.3)(35.8)(29.8)

(11.2)(42.0)(30.9)(15.9)

FROM 187 900 THRU 212 2300

FOR 615 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
900	0.00	+14.2	+12.6	+158	+161	+19.0	+19.3	+19.6	+18.8
1000	0.00	+27.3	+24.6	+155	+154	+18.4	+16.3	+12.2	+25.3
1100	0.00	+36.6	+34.4	+174	+166	+19.7	+11.7	+8.4	+23.3
1200	0.00	+18.7	+19.4	+188	+191	+22.9	+24.1	+25.6	+34.5
1300	0.00	+35.6	+21.6	+144	+145	+20.8	+22.3	+23.7	+41.1
1400	0.00	+26.5	+16.6	+134	+135	+22.0	+23.5	+25.1	+43.8
1500	0.00	+19.8	+16.5	+153	+151	+23.9	+25.3	+26.8	+47.6
1600	0.00	+24.6	+17.1	+221	+186	+23.4	+16.1	+0.0	+40.5
1700	0.00	+24.6	+23.2	+169	+166	+22.6	+23.2	+23.8	+39.4
1800	0.00	+19.2	+20.8	+170	+163	+23.8	+24.3	+25.2	+38.2
1900	0.00	+15.1	+10.6	+156	+151	+24.3	+24.8	+25.4	+31.9
2000	0.00	+16.1	+16.2	+186	+142	+15.9	+14.7	+5.1	+15.8
2100	0.00	+13.4	+10.9	+158	+173	+19.5	+19.3	+19.1	+20.1
2200	0.00	+15.7	+11.4	+197	+209	+14.3	+6.3	+2.1	+13.8
2300	0.00	+10.7	+7.0	+288	+283	+17.4	+17.2	+16.9	+16.2
MAX.		+36.6	+34.4	+288	+283	+24.3	+25.3	+26.8	+47.6
MIN.		+10.7	+7.0	+99	+99	+14.3	+6.3	+0.0	+13.8
AVG.	0.00	+21.2	+17.5	+177	+172	+20.5	+19.2	+17.3	+30.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (187) 6 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+7.7	+4.4	+230	+239	+17.2	+14.9	+13.7	+14.3
100	0.00	+9.8	+4.2	+153	+190	+16.8	+13.8	+13.3	+12.7
200	0.00	+7.3	+6.1	+200	+224	+15.0	+14.7	+13.9	+12.0
300	0.00	+11.3	+5.3	+162	+203	+14.4	+13.4	+12.1	+11.0
400	0.00	+6.6	+4.8	+194	+236	+13.6	+13.0	+12.0	+10.4
500	0.00	+7.5	+5.3	+181	+224	+13.3	+12.1	+11.0	+10.0
600	0.00	+10.4	+5.8	+294	+296	+13.3	+12.1	+11.2	+9.5
700	0.00	+9.3	+6.9	+288	+273	+13.8	+13.6	+13.5	+10.3
800	0.00	+3.5	+3.2	+267	+265	+12.0	+11.4	+12.6	+8.7
900	0.00	+4.3	+4.5	+27	+6	+20.0	+20.4	+21.5	+12.9
1000	0.00	+2.9	+1.9	+357	+332	+22.0	+22.6	+23.6	+28.0
1100	0.00	+2.2	+3.4	+283	+202	+25.3	+26.5	+27.9	+38.5
1200	0.00	+16.9	+17.0	+167	+165	+27.0	+27.9	+29.9	+46.5
1300	0.00	+8.2	+9.8	+123	+159	+27.8	+28.6	+30.9	+50.9
1400	0.00	+17.3	+15.9	+197	+193	+28.1	+29.6	+31.4	+51.2
1500	0.00	+14.1	+15.4	+124	+135	+28.4	+29.4	+31.2	+53.2
1600	0.00	+19.2	+19.8	+153	+168	+28.1	+29.1	+31.1	+51.3
1700	0.00	+12.2	+10.2	+175	+205	+28.7	+29.3	+30.7	+45.7
1800	0.00	+4.8	+5.7	+140	+153	+28.2	+29.1	+30.2	+43.0
1900	0.00	+11.6	+9.3	+216	+235	+24.3	+23.4	+24.8	+33.0
2000	0.00	+13.2	+12.6	+215	+205	+26.0	+26.2	+26.3	+27.2
2100	0.00	+8.3	+6.3	+216	+212	+24.2	+23.1	+21.6	+22.1
2200	0.00	+10.8	+8.0	+187	+193	+23.2	+20.3	+18.2	+18.5
2300	0.00	+13.7	+10.0	+198	+209	+22.8	+18.6	+17.8	+17.0
MAX.		+19.2	+19.8	+357	+332	+28.7	+29.6	+31.4	+53.2
MIN.		+2.2	+1.9	+27	+6	+12.0	+11.4	+11.0	+8.7
AVG.	0.00	+9.7	+8.2	+198	+205	+21.4	+21.0	+21.3	+26.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (188) 7 JULY '79

**GEOKINETICS, INC.
KAMP KEROGEN**

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+14.1	+10.7	+191	+202	+20.3	+17.4	+16.6	+15.8
100	0.00	+16.0	+12.0	+186	+203	+19.5	+17.4	+16.5	+14.8
200	0.00	+16.0	+9.5	+174	+185	+23.1	+19.2	+18.3	+14.2
300	0.00	+16.6	+11.1	+178	+198	+20.3	+17.9	+17.4	+13.8
400	0.00	+19.6	+14.2	+179	+181	+20.9	+17.8	+17.2	+14.1
500	0.00	+21.2	+14.3	+170	+170	+20.2	+18.2	+17.8	+13.9
600	0.00	+16.4	+14.6	+177	+187	+18.5	+17.5	+17.1	+14.1
700	0.00	+17.8	+10.3	+183	+192	+20.0	+19.7	+19.6	+15.8
800	0.00	+14.1	+11.3	+174	+169	+22.0	+22.3	+22.5	+17.5
900	0.00	+16.6	+9.2	+189	+203	+23.9	+24.7	+25.5	+19.1
1000	0.00	+8.4	+8.8	+218	+189	+26.5	+27.5	+28.6	+32.8
1100	0.00	+12.8	+11.0	+232	+206	+27.1	+28.1	+29.3	+40.8
1200	0.00	+10.8	+9.4	+230	+219	+27.7	+28.1	+29.1	+43.2
1300	0.00	+14.2	+13.1	+227	+211	+24.0	+23.4	+28.3	+47.2
1400	0.00	+12.2	+7.3	+151	+193	+28.0	+29.0	+30.7	+46.5
1500	0.00	+20.3	+11.9	+219	+218	+28.9	+29.6	+31.2	+48.9
1600	0.00	+14.4	+17.5	+220	+210	+28.4	+29.4	+31.1	+48.9
1700	0.00	+20.5	+15.7	+231	+220	+28.1	+29.2	+30.5	+43.1
1800	0.00	+18.7	+19.0	+225	+220	+27.4	+28.1	+29.2	+41.0
1900	0.00	+7.7	+6.8	+210	+205	+27.4	+28.1	+28.6	+34.3
2000	0.00	+5.9	+5.0	+210	+211	+26.8	+27.0	+27.1	+26.9
2100	0.00	+8.8	+6.6	+218	+213	+25.0	+23.8	+22.3	+22.1
2200	0.00	+9.3	+5.5	+284	+276	+23.8	+22.1	+20.0	+19.0
2300	0.00	+1.5	+4.0	+164	+80	+20.5	+18.1	+16.9	+16.5
MAX.		+21.2	+19.0	+284	+276	+28.9	+29.6	+31.2	+48.9
MIN.		+1.5	+4.0	+99	+80	+18.5	+17.4	+16.5	+13.8
AVG.	0.00	+13.9	+10.8	+202	+198	+24.1	+23.5	+23.8	+27.7
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (189) 8 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+4.0	+2.9	+138	+199	+22.0	+17.1	+15.5	+14.6
100	0.00	+2.7	+3.4	+178	+200	+21.2	+18.4	+15.6	+13.6
200	0.00	+6.9	+5.3	+159	+212	+18.6	+14.9	+13.2	+12.4
300	0.00	+6.9	+5.1	+150	+213	+20.3	+14.6	+13.1	+11.7
400	0.00	+4.0	+5.3	+119	+213	+20.5	+15.6	+13.0	+11.0
500	0.00	+2.8	+5.3	+114	+224	+19.8	+14.7	+13.1	+10.8
600	0.00	+5.8	+3.4	+108	+201	+18.9	+15.5	+12.2	+11.1
700	0.00	+3.5	+1.1	+84	+142	+18.7	+17.3	+16.0	+12.9
800	0.00	+2.9	+1.0	+106	+101	+19.3	+19.5	+19.2	+14.6
900	0.00	+5.4	+3.2	+37	+22	+17.8	+18.2	+20.9	+14.5
1000	0.00	+5.4	+3.6	+352	+307	+21.1	+21.5	+22.2	+28.7
1100	0.00	+2.1	+2.3	+143	+237	+23.7	+24.1	+26.5	+39.7
1200	0.00	+8.7	+7.6	+216	+226	+23.7	+23.3	+29.0	+46.9
1300	0.00	+1.1	+1.4	+187	+216	+30.9	+31.1	+32.3	+53.5
1400	0.00	+6.9	+5.2	+270	+259	+29.3	+30.4	+31.2	+54.6
1500	0.00	+6.4	+6.0	+299	+309	+28.6	+29.5	+30.5	+50.7
1600	0.00	+5.0	+3.6	+207	+174	+28.6	+27.1	+29.3	+51.5
1700	0.00	+9.5	+9.5	+219	+244	+29.8	+26.7	+28.7	+45.9
1800	0.00	+7.7	+5.4	+254	+235	+30.4	+31.3	+32.2	+43.7
1900	0.00	+11.3	+11.4	+199	+185	+28.7	+29.2	+29.8	+37.3
2000	0.00	+12.0	+8.7	+209	+218	+27.2	+27.2	+26.9	+28.1
2100	0.00	+11.4	+8.0	+195	+210	+25.9	+25.2	+24.0	+23.8
2200	0.00	+11.3	+7.7	+186	+202	+25.6	+22.3	+21.5	+20.7
2300	0.00	+8.2	+6.1	+182	+206	+23.7	+20.9	+19.9	+18.4
MAX.		+12.0	+11.4	+352	+309	+30.9	+31.3	+32.3	+54.6
MIN.		+1.1	+1.0	+37	+22	+17.8	+14.6	+12.2	+10.8
AVG.	0.00	+6.3	+5.1	+180	+206	+23.9	+22.3	+22.3	+27.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (190) 9 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+9.5	+5.4	+173	+208	+22.9	+19.6	+18.2	+16.6
100	0.00	+15.0	+11.2	+174	+199	+21.5	+19.8	+19.0	+15.7
200	0.00	+20.8	+12.1	+165	+174	+23.0	+21.9	+21.1	+15.6
300	0.00	+17.8	+12.4	+160	+162	+22.9	+21.6	+21.0	+15.5
400	0.00	+14.7	+12.1	+187	+223	+18.6	+17.2	+16.5	+14.5
500	0.00	+16.6	+11.3	+185	+201	+20.3	+18.4	+17.7	+14.1
600	0.00	+13.0	+8.0	+203	+221	+19.3	+18.1	+16.5	+13.4
700	0.00	+15.0	+9.7	+187	+194	+19.4	+17.9	+17.2	+13.4
800	0.00	+13.3	+10.6	+204	+211	+17.9	+15.0	+18.8	+13.0
900	0.00	+11.5	+11.6	+197	+198	+25.2	+26.0	+26.6	+18.5
1000	0.00	+10.2	+6.6	+212	+198	+28.1	+29.1	+30.3	+32.9
1100	0.00	+7.9	+7.7	+239	+220	+24.1	+23.6	+28.3	+39.8
1200	0.00	+4.8	+6.4	+222	+188	+30.5	+31.3	+33.0	+48.0
1300	0.00	+9.9	+8.2	+229	+214	+27.8	+26.1	+31.9	+49.0
1400	0.00	+11.8	+11.9	+199	+214	+30.6	+31.3	+33.2	+53.7
1500	0.00	+20.0	+20.6	+250	+246	+23.8	+25.5	+31.6	+52.1
1600	0.00	+11.0	+10.9	+212	+213	+30.6	+31.5	+32.9	+49.9
1700	0.00	+8.3	+7.3	+260	+260	+31.5	+32.2	+33.6	+48.1
1800	0.00	+5.9	+7.1	+223	+230	+30.0	+30.7	+31.9	+43.9
1900	0.00	+14.1	+14.5	+222	+215	+28.9	+29.5	+30.3	+36.1
2000	0.00	+10.1	+9.0	+225	+224	+28.2	+28.3	+28.3	+28.6
2100	0.00	+10.6	+6.2	+189	+206	+26.3	+24.6	+23.5	+23.2
2200	0.00	+12.7	+5.6	+176	+189	+24.8	+21.9	+20.9	+20.2
2300	0.00	+12.4	+8.2	+282	+262	+22.7	+21.5	+20.9	+18.5
MAX.		+20.8	+20.6	+282	+262	+31.5	+32.2	+33.6	+53.7
MIN.		+4.8	+5.4	+99	+99	+17.9	+15.0	+16.5	+13.0
AVG.	0.00	+12.4	+9.8	+207	+211	+25.0	+24.3	+25.1	+28.9
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (191) 10 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+6.6	+5.8	+264	+246	+23.4	+22.3	+18.2	+16.9
100	0.00	+4.0	+3.6	+243	+236	+22.5	+18.7	+17.3	+16.1
200	0.00	+8.6	+5.5	+238	+226	+19.6	+15.7	+15.2	+14.9
300	0.00	+0.9	+0.7	+213	+349	+16.2	+15.5	+15.2	+14.5
400	0.00	+11.9	+5.0	+212	+234	+16.0	+14.6	+13.8	+13.2
500	0.00	+8.8	+5.4	+237	+231	+16.8	+13.6	+12.9	+12.1
600	0.00	+11.9	+3.8	+211	+209	+15.7	+12.7	+11.9	+11.1
700	0.00	+10.3	+7.5	+204	+223	+15.2	+14.2	+14.2	+11.5
800	0.00	+7.2	+6.5	+229	+216	+18.3	+18.8	+19.5	+13.2
900	0.00	+1.5	+1.2	+291	+166	+17.3	+17.7	+21.8	+10.7
1000	0.00	+5.9	+9.0	+348	+338	+23.0	+23.6	+24.5	+29.6
1100	0.00	+4.4	+5.0	+381	+357	+22.6	+22.5	+22.6	+38.8
1200	0.00	+7.6	+7.7	+38	+36	+25.3	+26.0	+28.0	+47.1
1300	0.00	+12.9	+9.6	+57	+60	+23.0	+22.6	+30.3	+52.4
1400	0.00	+17.0	+11.6	+34	+23	+24.8	+25.7	+30.1	+53.2
1500	0.00	+2.0	+3.5	+74	+36	+30.5	+28.7	+31.6	+53.9
1600	0.00	+9.6	+8.7	+39	+27	+27.3	+29.6	+30.8	+49.9
1700	0.00	+11.2	+11.1	+271	+292	+29.1	+29.9	+31.2	+46.0
1800	0.00	+9.1	+8.2	+48	+24	+28.5	+29.1	+29.9	+42.2
1900	0.00	+11.8	+8.7	+31	+24	+28.3	+28.6	+29.3	+36.3
2000	0.00	+6.4	+5.1	+23	+14	+27.7	+27.8	+27.9	+29.1
2100	0.00	+3.5	+1.3	+88	+142	+25.6	+24.6	+23.2	+23.6
2200	0.00	+3.6	+2.4	+66	+199	+20.3	+17.1	+16.7	+17.7
2300	0.00	+8.0	+5.8	+393	+344	+21.2	+20.5	+12.7	+15.2
MAX.		+17.0	+11.6	+393	+357	+30.5	+29.9	+31.6	+53.9
MIN.		+0.9	+0.7	+23	+14	+15.2	+12.7	+11.9	+10.7
AVG.	0.00	+7.7	+5.9	+176	+177	+22.4	+21.7	+22.0	+27.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (192) 11 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+15.6	+11.6	+290	+278	+23.0	+21.7	+21.1	+18.6
100	0.00	+10.3	+7.2	+284	+264	+20.7	+19.2	+18.0	+16.9
200	0.00	+6.0	+2.7	+291	+203	+19.5	+17.9	+16.8	+16.0
300	0.00	+10.3	+6.2	+315	+301	+20.1	+19.5	+19.0	+15.5
400	0.00	+6.0	+0.7	+3	+275	+20.4	+17.8	+14.8	+14.3
500	0.00	+4.4	+3.1	+292	+223	+18.8	+13.7	+12.4	+13.0
600	0.00	+4.4	+3.1	+96	+217	+18.2	+15.4	+12.6	+12.1
700	0.00	+7.3	+6.8	+239	+206	+16.9	+13.7	+13.6	+12.3
800	0.00	+5.3	+4.4	+324	+329	+19.2	+19.6	+19.9	+14.1
900	0.00	+8.4	+5.8	+13	+28	+18.4	+19.6	+22.9	+15.0
1000	0.00	+9.9	+8.5	+31	+17	+22.5	+23.1	+24.4	+30.9
1100	0.00	+13.9	+12.8	+3	+346	+24.6	+25.3	+26.6	+41.1
1200	0.00	+3.2	+2.7	+318	+309	+26.6	+27.0	+28.3	+47.4
1300	0.00	+9.1	+7.7	+58	+55	+27.6	+29.3	+31.8	+52.8
1400	0.00	+6.1	+8.3	+328	+334	+28.8	+29.4	+30.5	+54.0
1500	0.00	+8.6	+6.4	+330	+296	+29.5	+30.7	+32.1	+52.9
1600	0.00	+6.0	+4.1	+237	+194	+31.6	+30.1	+33.2	+48.4
1700	0.00	+12.1	+11.0	+279	+273	+30.5	+31.5	+33.0	+50.6
1800	0.00	+6.1	+5.5	+328	+289	+29.6	+28.8	+26.7	+45.0
1900	0.00	+11.1	+11.4	+213	+214	+29.4	+30.0	+30.7	+37.3
2000	0.00	+7.4	+7.2	+331	+330	+28.2	+27.9	+27.1	+29.0
2100	0.00	+8.5	+3.8	+6	+319	+26.9	+26.2	+25.6	+26.1
2200	0.00	+8.7	+5.2	+325	+309	+24.4	+24.1	+23.8	+23.5
2300	0.00	+8.9	+5.0	+307	+319	+23.3	+22.8	+22.3	+21.1
MAX.		+15.6	+12.8	+331	+346	+31.6	+31.5	+33.2	+54.0
MIN.		+3.2	+0.7	+3	+17	+16.9	+13.7	+12.4	+12.1
AVG.	0.00	+8.2	+6.3	+218	+247	+24.1	+23.5	+23.6	+29.5
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (193) 12 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+8.3	+2.6	+291	+239	+22.4	+19.9	+18.3	+18.6
100	0.00	+1.6	+2.1	+238	+163	+20.3	+19.4	+17.4	+17.0
200	0.00	+3.5	+1.3	+22	+188	+21.5	+19.1	+17.2	+16.1
300	0.00	+9.6	+5.2	+301	+299	+21.4	+19.7	+17.4	+15.2
400	0.00	+4.0	+2.0	+273	+200	+19.8	+19.0	+15.9	+14.2
500	0.00	+11.1	+5.8	+219	+246	+18.3	+14.0	+13.2	+13.4
600	0.00	+5.6	+4.7	+222	+219	+17.2	+14.2	+13.4	+12.7
700	0.00	+7.9	+2.8	+235	+239	+18.0	+16.5	+16.4	+13.2
800	0.00	+8.6	+7.5	+294	+248	+12.9	+14.0	+17.3	+12.3
900	0.00	+6.3	+6.2	+325	+305	+21.1	+21.8	+22.4	+16.9
1000	0.00	+6.3	+6.3	+370	+364	+20.8	+21.8	+24.3	+31.0
1100	0.00	+7.3	+5.9	+304	+306	+24.4	+25.5	+26.4	+41.0
1200	0.00	+10.0	+11.0	+270	+261	+26.1	+27.3	+28.3	+46.9
1300	0.00	+11.4	+8.4	+329	+335	+23.9	+25.5	+23.9	+47.7
1400	0.00	+10.3	+9.8	+356	+309	+24.1	+24.4	+23.4	+50.4
1500	0.00	+8.9	+10.5	+266	+273	+28.6	+29.2	+30.7	+53.4
1600	0.00	+3.9	+3.7	+339	+342	+29.3	+27.5	+30.5	+52.3
1700	0.00	+4.0	+3.8	+256	+273	+30.9	+32.0	+32.5	+47.3
1800	0.00	+4.5	+4.3	+16	+12	+29.2	+30.2	+31.0	+43.8
1900	0.00	+5.7	+3.4	+318	+298	+28.4	+29.0	+29.4	+36.4
2000	0.00	+10.1	+10.9	+7	+351	+24.9	+24.9	+25.2	+26.7
2100	0.00	+9.6	+7.6	+3	+9	+25.2	+24.9	+24.3	+24.8
2200	0.00	+4.8	+1.9	+40	+69	+23.8	+21.9	+21.2	+21.1
2300	0.00	+2.5	+2.1	+80	+123	+22.4	+21.4	+19.8	+19.0
MAX.		+11.4	+11.0	+370	+364	+30.9	+32.0	+32.5	+53.4
MIN.		+1.6	+1.3	+3	+9	+12.9	+14.0	+13.2	+12.3
AVG.	0.00	+6.9	+5.4	+224	+236	+23.1	+22.6	+22.5	+28.8
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (194) 13 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+2.0	+2.4	+102	+157	+21.1	+20.5	+18.4	+17.6
100	0.00	+7.6	+3.5	+125	+163	+20.9	+18.3	+17.6	+16.1
200	0.00	+5.1	+3.9	+167	+210	+19.6	+18.0	+16.7	+15.2
300	0.00	+6.9	+4.5	+188	+223	+19.4	+15.6	+14.5	+14.0
400	0.00	+12.0	+4.9	+192	+216	+16.9	+13.7	+13.2	+12.8
500	0.00	+13.3	+8.3	+200	+205	+19.5	+14.4	+13.5	+12.5
600	0.00	+11.6	+6.6	+204	+214	+19.0	+14.2	+13.3	+11.9
700	0.00	+7.3	+4.5	+233	+238	+16.8	+16.3	+16.0	+12.3
800	0.00	+4.0	+2.6	+255	+235	+20.3	+20.9	+21.3	+14.0
900	0.00	+1.7	+1.6	+342	+354	+23.6	+24.0	+24.8	+15.2
1000	0.00	+3.7	+2.5	+268	+304	+24.4	+25.1	+26.2	+29.0
1100	0.00	+5.8	+6.0	+323	+344	+26.2	+26.9	+27.8	+38.7
1200	0.00	+0.3	+1.8	+164	+220	+29.7	+30.3	+31.7	+47.6
1300	0.00	+5.6	+6.2	+265	+272	+31.3	+31.9	+33.3	+52.3
1400	0.00	+10.6	+9.4	+258	+268	+27.3	+24.8	+30.8	+47.3
1500	0.00	+12.0	+11.0	+268	+267	+30.0	+30.5	+31.5	+43.3
1600	0.00	+6.4	+6.2	+286	+282	+29.7	+30.2	+30.8	+39.6
1700	0.00	+11.2	+12.2	+306	+325	+25.7	+24.4	+22.6	+36.2
1800	0.00	+9.0	+7.3	+360	+356	+27.3	+25.3	+23.7	+34.4
1900	0.00	+10.9	+10.5	+331	+325	+28.7	+29.1	+29.3	+32.7
2000	0.00	+11.0	+10.2	+328	+326	+27.6	+27.8	+27.8	+28.5
2100	0.00	+10.0	+5.5	+333	+315	+26.2	+25.7	+25.2	+23.9
2200	0.00	+9.4	+4.2	+308	+293	+25.4	+24.4	+23.6	+21.2
2300	0.00	+9.7	+4.6	+311	+275	+24.9	+22.4	+20.5	+19.3
MAX.		+13.3	+12.2	+360	+356	+31.3	+31.9	+33.3	+52.3
MIN.		+0.3	+1.6	+99	+99	+16.8	+13.7	+13.2	+11.9
AVG.	0.00	+7.8	+5.9	+255	+266	+24.2	+23.1	+23.1	+26.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (195) 14 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+6.4	+0.8	+5	+28	+23.5	+21.9	+20.0	+17.6
100	0.00	+4.9	+3.3	+33	+19	+23.6	+23.6	+22.7	+18.2
200	0.00	+4.8	+2.6	+122	+138	+21.8	+21.4	+20.7	+17.7
300	0.00	+7.3	+5.7	+104	+128	+22.0	+19.4	+18.9	+18.3
400	0.00	+13.0	+9.0	+212	+203	+19.5	+19.4	+19.2	+18.4
500	0.00	+5.9	+5.3	+343	+327	+22.1	+21.9	+20.9	+17.7
600	0.00	+1.3	+1.7	+325	+285	+20.6	+19.3	+18.2	+16.0
700	0.00	+6.4	+3.8	+228	+215	+18.4	+17.2	+16.4	+15.0
800	0.00	+8.6	+6.1	+254	+228	+20.1	+20.4	+20.9	+16.2
900	0.00	+5.5	+5.9	+237	+239	+22.7	+23.3	+24.3	+17.5
1000	0.00	+5.3	+4.2	+345	+348	+20.5	+20.9	+24.7	+31.1
1100	0.00	+6.5	+3.4	+296	+256	+25.9	+27.3	+28.3	+41.8
1200	0.00	+4.5	+5.9	+308	+310	+28.1	+28.4	+29.6	+49.0
1300	0.00	+14.1	+12.3	+352	+344	+29.1	+29.6	+30.7	+51.9
1400	0.00	+10.6	+9.3	+261	+258	+28.3	+28.9	+29.5	+41.5
1500	0.00	+18.0	+16.6	+147	+154	+28.4	+30.0	+31.7	+43.7
1600	0.00	+8.0	+6.8	+115	+118	+30.8	+32.5	+34.0	+50.1
1700	0.00	+10.7	+7.0	+103	+73	+31.2	+32.1	+33.7	+47.1
1800	0.00	+11.0	+10.3	+176	+160	+25.8	+24.2	+27.4	+34.6
1900	0.16	+1.7	+0.6	+282	+204	+25.0	+25.3	+25.3	+25.5
2000	0.16	+12.5	+7.6	+59	+64	+24.3	+24.4	+24.5	+24.7
2100	0.16	+7.9	+5.2	+114	+107	+23.6	+23.0	+22.5	+21.9
2200	0.16	+8.6	+3.6	+126	+82	+22.3	+21.7	+20.9	+20.2
2300	0.16	+8.5	+5.2	+185	+189	+22.2	+20.3	+19.2	+18.0
MAX.		+18.0	+16.6	+352	+348	+31.2	+32.5	+34.0	+51.9
MIN.		+1.3	+0.6	+5	+19	+18.4	+17.2	+16.4	+15.0
AVG.	0.16	+8.0	+5.9	+197	+187	+24.2	+24.0	+24.3	+28.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (196) 15 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+16.2	+10.1	+183	+196	+21.0	+19.7	+19.1	+17.5
100	0.16	+15.0	+10.6	+178	+191	+21.4	+20.9	+20.5	+17.3
200	0.16	+7.7	+5.1	+164	+183	+20.9	+19.8	+19.1	+16.1
300	0.16	+18.1	+13.3	+175	+186	+22.4	+21.2	+20.8	+17.2
400	0.16	+17.7	+15.7	+177	+194	+21.9	+20.9	+20.6	+16.8
500	0.16	+14.7	+11.8	+214	+203	+21.3	+20.6	+20.3	+17.6
600	0.16	+15.2	+12.1	+180	+198	+20.4	+19.6	+19.4	+16.9
700	0.16	+7.3	+5.1	+191	+217	+19.8	+19.5	+18.9	+16.1
800	0.16	+6.5	+5.8	+158	+170	+23.5	+24.1	+24.4	+17.7
900	0.16	+23.1	+23.1	+191	+168	+22.1	+18.2	+16.6	+15.8
1000	0.16	+13.5	+11.5	+192	+178	+22.7	+20.5	+26.1	+30.8
1100	0.16	+21.9	+14.8	+191	+166	+24.6	+23.2	+26.0	+38.3
1200	0.16	+17.6	+16.3	+187	+177	+27.3	+28.5	+29.9	+47.9
1300	0.16	+18.5	+18.5	+234	+219	+23.8	+24.1	+30.4	+47.7
1400	0.16	+7.4	+8.4	+235	+231	+25.9	+28.5	+33.7	+49.9
1500	0.16	+5.2	+4.0	+311	+307	+27.6	+27.4	+27.5	+34.3
1600	0.16	+8.0	+8.4	+314	+299	+24.0	+23.5	+24.4	+26.6
1700	0.16	+28.0	+23.7	+5	+50	+25.3	+25.5	+25.6	+26.7
1800	0.16	+14.5	+15.3	+240	+232	+17.3	+14.9	+15.9	+21.0
1900	0.16	+10.4	+6.2	+198	+187	+17.7	+16.1	+21.3	+23.6
2000	0.16	+5.3	+3.8	+155	+145	+23.2	+23.4	+23.3	+24.1
2100	0.16	+15.0	+12.1	+189	+170	+17.6	+12.2	+17.8	+17.5
2200	0.16	+16.6	+12.2	+144	+145	+20.5	+20.2	+19.8	+18.9
2300	0.16	+17.0	+9.5	+144	+176	+19.9	+19.3	+18.8	+17.3
MAX.		+28.0	+23.7	+314	+307	+27.6	+28.5	+33.7	+49.9
MIN.		+5.2	+3.8	+5	+50	+17.3	+12.2	+15.9	+15.8
AVG.	0.00	+14.2	+11.6	+190	+191	+22.2	+21.3	+22.5	+24.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (197) 16 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+15.0	+7.6	+160	+166	+20.2	+19.7	+19.3	+16.8
100	0.16	+14.6	+10.9	+155	+169	+19.5	+18.9	+18.2	+15.7
200	0.16	+15.4	+9.4	+167	+158	+19.3	+17.9	+17.1	+14.7
300	0.16	+9.8	+7.7	+192	+200	+18.3	+17.7	+16.8	+14.5
400	0.16	+16.0	+9.4	+185	+200	+17.6	+17.2	+16.7	+14.3
500	0.16	+11.4	+6.9	+193	+219	+17.1	+16.3	+15.9	+13.8
600	0.16	+9.8	+7.9	+199	+200	+16.6	+15.8	+15.1	+13.1
700	0.16	+9.8	+6.4	+184	+188	+17.9	+17.3	+16.8	+13.4
800	0.16	+9.1	+7.6	+196	+155	+16.1	+13.5	+17.5	+12.7
900	0.16	+9.7	+7.0	+167	+184	+24.2	+24.6	+25.4	+18.0
1000	0.16	+1.8	+1.3	+266	+328	+26.5	+26.7	+27.5	+33.5
1100	0.16	+3.4	+1.6	+150	+366	+25.4	+25.1	+28.0	+41.2
1200	0.16	+6.7	+6.6	+46	+34	+25.7	+25.8	+29.5	+49.2
1300	0.16	+7.6	+6.9	+322	+297	+29.4	+30.0	+30.7	+52.0
1400	0.16	+14.3	+12.4	+289	+264	+26.5	+27.6	+30.6	+53.5
1500	0.16	+12.5	+10.7	+312	+303	+28.0	+28.7	+29.4	+45.3
1600	0.16	+12.5	+13.8	+214	+212	+25.8	+21.3	+24.6	+39.1
1700	0.16	+14.5	+13.1	+174	+193	+27.2	+27.8	+28.8	+41.8
1800	0.16	+11.7	+11.4	+321	+296	+25.3	+22.5	+21.5	+31.8
1900	0.16	+15.2	+12.8	+264	+269	+26.0	+26.4	+26.7	+30.6
2000	0.16	+11.7	+8.3	+276	+290	+25.5	+25.7	+25.7	+27.7
2100	0.16	+10.1	+5.6	+303	+271	+19.5	+18.6	+16.8	+20.8
2200	0.16	+7.6	+3.4	+256	+229	+23.3	+20.9	+19.2	+20.1
2300	0.16	+11.6	+7.0	+177	+178	+19.6	+18.6	+18.2	+18.4
MAX.		+16.0	+13.8	+322	+366	+29.4	+30.0	+30.7	+53.5
MIN.		+1.8	+1.3	+46	+34	+16.1	+13.5	+15.1	+12.7
AVG.	0.00	+10.9	+8.2	+215	+224	+22.5	+21.9	+22.3	+27.2
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (198) 17 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+13.7	+9.8	+201	+208	+20.7	+18.4	+17.9	+17.7
100	0.16	+15.4	+12.2	+203	+202	+21.3	+17.7	+17.2	+16.8
200	0.16	+13.1	+9.0	+197	+218	+20.5	+18.2	+17.6	+15.8
300	0.16	+11.6	+8.6	+194	+208	+18.3	+16.9	+16.4	+15.4
400	0.16	+14.1	+10.8	+187	+194	+17.9	+16.8	+16.3	+14.8
500	0.16	+16.2	+12.5	+205	+210	+16.8	+15.9	+15.4	+14.2
600	0.16	+15.2	+11.6	+202	+211	+16.5	+15.7	+15.1	+13.7
700	0.16	+14.7	+10.0	+205	+210	+17.0	+16.7	+16.5	+14.0
800	0.16	+7.8	+6.3	+240	+228	+12.5	+11.6	+18.2	+11.8
900	0.16	+6.0	+6.0	+291	+296	+17.5	+18.0	+21.5	+13.7
1000	0.16	+9.5	+7.3	+268	+259	+23.8	+24.5	+25.4	+30.7
1100	0.16	+4.4	+2.6	+271	+249	+26.2	+26.8	+28.1	+40.6
1200	0.16	+6.7	+8.3	+318	+319	+25.5	+26.0	+27.4	+47.0
1300	0.16	+8.3	+9.1	+3	+15	+28.0	+28.2	+29.2	+51.5
1400	0.16	+9.3	+10.5	+349	+345	+26.1	+25.3	+26.9	+51.1
1500	0.16	+19.0	+19.1	+349	+357	+28.3	+29.3	+31.1	+53.1
1600	0.16	+8.3	+5.7	+55	+21	+28.6	+29.5	+30.9	+47.0
1700	0.16	+11.5	+11.1	+287	+293	+27.8	+28.9	+29.7	+42.4
1800	0.16	+16.7	+13.2	+19	+32	+27.7	+28.3	+29.2	+37.7
1900	0.16	+13.5	+13.4	+38	+12	+26.8	+27.3	+27.7	+33.8
2000	0.16	+11.6	+7.6	+37	+21	+25.6	+25.4	+25.1	+27.3
2100	0.16	+21.0	+15.6	+55	+43	+22.9	+23.0	+22.9	+23.4
2200	0.16	+13.4	+11.2	+108	+107	+21.2	+21.2	+21.1	+21.9
2300	0.16	+6.4	+4.6	+183	+214	+20.1	+20.2	+19.8	+21.2
MAX.		+21.0	+19.1	+349	+357	+28.6	+29.5	+31.1	+53.1
MIN.		+4.4	+2.6	+3	+12	+12.5	+11.6	+15.1	+11.8
AVG.	0.00	+12.0	+9.8	+186	+186	+22.4	+22.1	+22.8	+28.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (199) 18 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+11.5	+9.0	+258	+247	+19.5	+19.6	+19.3	+20.3
100	0.16	+14.0	+9.8	+195	+196	+18.9	+18.4	+18.2	+19.0
200	0.16	+6.5	+4.6	+193	+205	+18.7	+17.0	+16.0	+16.7
300	0.16	+4.5	+0.6	+70	+86	+17.1	+15.2	+14.1	+14.7
400	0.16	+4.6	+3.0	+108	+189	+18.1	+15.8	+14.5	+13.8
500	0.16	+7.0	+3.8	+131	+155	+18.4	+16.2	+15.5	+13.1
600	0.16	+11.6	+7.7	+201	+225	+14.3	+13.0	+12.7	+12.6
700	0.16	+13.1	+8.2	+195	+200	+16.1	+15.5	+15.3	+13.3
800	0.16	+10.2	+9.8	+195	+182	+14.8	+12.6	+17.9	+11.9
900	0.16	+4.5	+4.7	+42	+22	+19.1	+17.7	+21.4	+15.3
1000	0.16	+2.5	+2.7	+325	+281	+22.7	+23.6	+24.3	+30.7
1100	0.16	+4.5	+3.8	+333	+268	+23.4	+24.2	+25.0	+39.1
1200	0.16	+6.3	+7.4	+79	+82	+25.7	+26.9	+28.3	+47.1
1300	0.16	+5.0	+6.3	+39	+14	+25.8	+26.0	+27.8	+52.0
1400	0.16	+7.4	+9.5	+59	+49	+25.9	+25.2	+30.1	+54.5
1500	0.16	+8.0	+4.9	+14	+50	+26.8	+27.9	+28.1	+52.9
1600	0.16	+16.8	+16.1	+174	+159	+21.4	+18.1	+20.6	+35.1
1700	0.16	+7.0	+5.9	+210	+208	+24.9	+25.5	+26.4	+39.3
1800	0.16	+1.7	+1.6	+352	+301	+25.7	+26.1	+26.6	+35.5
1900	0.16	+11.1	+10.5	+334	+333	+23.5	+24.1	+24.6	+31.3
2000	0.16	+10.2	+6.6	+331	+294	+19.1	+17.6	+12.0	+23.0
2100	0.16	+3.1	+1.8	+44	+57	+21.5	+21.0	+20.0	+22.2
2200	0.16	+4.0	+1.4	+334	+301	+21.6	+20.1	+18.8	+19.4
2300	0.16	+9.9	+6.8	+15	+363	+20.8	+20.0	+19.4	+17.8
MAX.		+16.8	+16.1	+352	+363	+26.8	+27.9	+30.1	+54.5
MIN.		+1.7	+0.6	+14	+14	+14.3	+12.6	+12.0	+11.9
AVG.	0.00	+7.7	+6.1	+176	+186	+21.0	+20.3	+20.7	+27.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (200) 19 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+7.6	+3.9	+143	+171	+19.5	+17.6	+15.8	+16.2
100	0.16	+8.0	+3.3	+143	+185	+19.0	+15.7	+14.8	+15.1
200	0.16	+8.2	+3.7	+106	+139	+18.6	+16.0	+14.7	+14.2
300	0.16	+6.3	+5.4	+168	+201	+15.5	+13.3	+12.7	+13.6
400	0.16	+11.9	+6.8	+133	+142	+17.6	+15.7	+14.8	+13.2
500	0.16	+10.6	+4.3	+149	+155	+17.9	+16.0	+15.5	+13.1
600	0.16	+8.9	+5.5	+171	+185	+17.8	+17.2	+16.7	+14.7
700	0.16	+18.6	+14.8	+203	+193	+15.6	+12.6	+10.1	+10.4
800	0.16	+23.4	+16.8	+181	+196	+10.3	+11.8	+0.0	+14.7
900	0.16	+26.0	+27.0	+184	+180	+21.0	+21.7	+22.5	+19.3
1000	0.16	+16.6	+10.1	+180	+182	+23.9	+24.6	+25.8	+32.5
1100	0.16	+7.9	+6.0	+208	+152	+20.5	+20.8	+25.4	+39.4
1200	0.16	+9.5	+9.3	+292	+269	+23.8	+17.0	+20.0	+34.7
1300	0.16	+13.9	+8.1	+154	+136	+15.1	+15.2	+20.0	+24.6
1400	0.16	+15.1	+8.2	+109	+99	+19.2	+19.9	+20.4	+27.5
1500	0.16	+11.7	+8.7	+152	+153	+15.1	+15.6	+20.1	+26.5
1600	0.16	+26.1	+19.7	+172	+156	+17.0	+17.3	+20.1	+40.0
1700	0.16	+15.9	+17.0	+145	+174	+25.0	+26.0	+27.4	+38.6
1800	0.16	+10.4	+7.9	+191	+185	+21.0	+20.0	+25.0	+31.4
1900	0.16	+17.1	+12.3	+173	+172	+23.6	+24.3	+25.0	+30.3
2000	0.16	+17.0	+15.3	+205	+188	+18.7	+16.2	+19.4	+20.4
2100	0.16	+14.5	+8.8	+188	+197	+20.3	+19.8	+19.7	+21.3
2200	0.16	+16.9	+12.5	+185	+174	+21.0	+19.3	+19.0	+19.1
2300	0.16	+15.3	+11.8	+169	+187	+18.7	+18.6	+18.4	+17.9
MAX.		+26.1	+27.0	+292	+269	+25.0	+26.0	+27.4	+40.0
MIN.		+6.3	+3.3	+99	+99	+10.3	+11.8	+0.0	+10.4
AVG.	0.00	+14.1	+10.3	+171	+174	+19.0	+18.0	+18.5	+22.9
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (201) 20 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+20.9	+13.8	+189	+190	+18.1	+17.8	+17.6	+17.3
100	0.16	+11.2	+7.0	+206	+207	+17.3	+16.8	+16.0	+15.9
200	0.16	+15.2	+12.3	+201	+202	+17.1	+16.2	+15.7	+15.4
300	0.16	+11.4	+8.6	+207	+216	+17.2	+16.0	+15.6	+14.8
400	0.16	+9.5	+5.9	+207	+220	+16.4	+15.9	+15.6	+15.7
500	0.16	+12.0	+6.3	+175	+193	+17.0	+16.0	+15.3	+14.1
600	0.16	+16.9	+9.3	+173	+184	+17.2	+16.6	+16.4	+14.2
700	0.16	+17.7	+14.0	+173	+166	+17.8	+17.9	+17.9	+16.3
800	0.16	+16.7	+12.8	+179	+162	+18.5	+18.8	+18.9	+18.7
900	0.16	+12.2	+6.3	+196	+178	+19.2	+19.7	+20.0	+21.1
1000	0.16	+7.4	+7.4	+133	+124	+21.8	+22.8	+24.3	+26.9
1100	0.16	+14.7	+14.8	+179	+185	+23.4	+24.4	+25.7	+37.7
1200	0.16	+16.8	+12.1	+202	+178	+23.6	+24.1	+25.9	+42.1
1300	0.16	+20.0	+21.8	+201	+208	+20.8	+17.9	+22.7	+45.8
1400	0.16	+14.0	+15.5	+144	+143	+23.5	+24.1	+25.0	+42.9
1500	0.16	+19.2	+17.9	+170	+176	+19.4	+19.7	+20.0	+30.8
1600	0.16	+20.9	+21.1	+170	+171	+22.5	+23.2	+24.1	+33.3
1700	0.16	+21.5	+23.1	+185	+183	+22.0	+22.8	+23.5	+34.3
1800	0.16	+16.2	+12.4	+175	+151	+23.7	+19.3	+11.1	+33.4
1900	0.16	+18.6	+17.9	+204	+222	+22.1	+22.5	+22.9	+30.4
2000	0.16	+8.6	+8.5	+194	+197	+20.8	+21.1	+21.2	+25.9
2100	0.16	+4.6	+1.8	+161	+163	+20.1	+19.9	+19.7	+22.9
2200	0.16	+1.9	+3.6	+237	+295	+19.1	+18.9	+18.6	+21.5
2300	0.16	+3.4	+2.4	+114	+98	+14.9	+15.1	+15.1	+19.0
MAX.		+21.5	+23.1	+237	+295	+23.7	+24.4	+25.9	+45.8
MIN.		+1.9	+1.8	+99	+98	+14.9	+15.1	+11.1	+14.1
AVG.	0.00	+13.8	+11.5	+182	+184	+19.7	+19.5	+19.5	+25.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (202) 21 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+6.3	+3.5	+130	+125	+14.8	+14.2	+13.6	+17.0
100	0.16	+3.7	+4.0	+122	+123	+15.0	+14.8	+13.6	+16.5
200	0.16	+6.6	+3.5	+106	+120	+15.3	+14.0	+13.4	+15.3
300	0.16	+4.5	+3.2	+127	+160	+14.5	+13.2	+12.7	+14.6
400	0.16	+8.7	+3.8	+142	+147	+14.5	+13.3	+12.9	+13.5
500	0.16	+4.8	+2.0	+152	+166	+15.1	+13.8	+13.0	+13.0
600	0.16	+8.0	+4.4	+195	+203	+12.8	+11.8	+11.6	+12.8
700	0.16	+13.7	+8.8	+207	+200	+14.4	+13.3	+13.1	+12.5
800	0.16	+10.5	+5.9	+188	+210	+16.6	+17.2	+17.5	+14.4
900	0.16	+5.6	+5.5	+213	+223	+20.2	+21.1	+22.1	+15.7
1000	0.16	+16.5	+10.1	+284	+244	+15.5	+16.0	+21.7	+25.9
1100	0.16	+15.0	+10.0	+242	+209	+15.2	+12.3	+21.8	+29.3
1200	0.16	+29.2	+27.5	+246	+240	+12.1	+14.7	+25.2	+39.2
1300	0.16	+20.0	+13.3	+206	+217	+23.9	+26.1	+27.6	+46.1
1400	0.16	+15.2	+10.2	+315	+296	+19.2	+20.4	+21.2	+37.1
1500	0.16	+9.7	+10.6	+332	+320	+17.2	+17.7	+17.7	+40.6
1600	0.16	+2.9	+2.2	+56	+293	+21.9	+22.5	+23.4	+35.4
1700	0.16	+3.6	+3.9	+51	+66	+23.5	+22.6	+23.4	+37.6
1800	0.16	+8.0	+8.2	+50	+31	+22.1	+22.4	+22.7	+33.6
1900	0.16	+11.1	+10.1	+7	+349	+22.5	+22.8	+23.2	+28.4
2000	0.16	+10.5	+7.4	+13	+112	+21.4	+21.7	+21.6	+24.0
2100	0.16	+10.7	+6.0	+19	+1	+17.3	+15.6	+14.3	+19.4
2200	0.16	+7.7	+3.7	+38	+30	+19.7	+19.3	+18.5	+18.9
2300	0.16	+2.7	+1.6	+40	+3	+18.8	+17.0	+16.5	+17.3
MAX.		+29.2	+27.5	+332	+349	+23.9	+26.1	+27.6	+46.1
MIN.		+2.7	+1.6	+7	+1	+12.1	+11.8	+11.6	+12.5
AVG.	0.00	+9.8	+7.1	+145	+170	+17.6	+17.4	+18.4	+24.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (203) 22 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.16	+2.3	+2.1	+267	+242	+18.3	+16.8	+15.4	+15.9
100	0.16	+1.2	+2.6	+21	+196	+17.9	+17.0	+14.9	+15.4
200	0.16	+2.1	+2.3	+207	+222	+17.0	+15.5	+13.9	+14.5
300	0.16	+3.6	+2.5	+298	+237	+16.9	+15.3	+14.4	+15.4
400	0.16	+3.2	+2.7	+209	+219	+16.6	+14.2	+13.9	+15.2
500	0.16	+4.6	+2.7	+158	+190	+16.6	+14.6	+14.1	+15.2
600	0.16	+6.2	+3.7	+162	+207	+15.7	+14.2	+13.7	+14.7
700	0.16	+6.0	+3.4	+171	+201	+15.7	+14.8	+14.6	+15.3
800	0.16	+3.4	+3.7	+187	+209	+17.3	+17.6	+18.0	+15.5
900	0.16	+7.8	+4.6	+44	+27	+19.9	+20.7	+21.8	+18.3
1000	0.16	+5.3	+4.9	+30	+355	+19.7	+20.3	+21.4	+25.9
1100	0.16	+5.6	+6.6	+263	+270	+21.2	+21.7	+22.6	+35.6
1200	0.16	+4.5	+4.7	+372	+325	+19.4	+20.2	+19.6	+42.3
1300	0.16	+10.4	+10.3	+340	+337	+18.0	+17.9	+19.3	+35.9
1400	0.16	+6.2	+6.8	+161	+161	+24.9	+26.1	+27.5	+36.6
1500	0.16	+3.0	+2.5	+73	+43	+22.0	+22.8	+23.1	+30.4
1600	0.16	+6.0	+4.8	+262	+252	+19.0	+18.5	+23.4	+32.6
1700	0.16	+4.7	+6.0	+25	+6	+23.8	+24.3	+24.6	+31.4
1800	0.16	+13.6	+11.7	+313	+293	+22.7	+23.3	+23.7	+29.3
1900	0.16	+2.8	+1.8	+72	+102	+24.4	+23.9	+24.8	+30.4
2000	0.16	+17.9	+13.8	+331	+307	+18.5	+15.5	+16.1	+22.0
2100	0.16	+8.0	+4.8	+369	+319	+14.7	+16.4	+4.0	+18.2
2200	0.17	+3.2	+2.3	+133	+185	+16.4	+15.0	+14.1	+16.4
2300	0.17	+9.1	+6.4	+244	+239	+17.2	+15.2	+13.8	+14.1
MAX.		+17.9	+13.8	+372	+355	+24.9	+26.1	+27.5	+42.3
MIN.		+1.2	+1.8	+21	+6	+14.7	+14.2	+4.0	+14.1
AVG.	0.01	+5.9	+4.9	+196	+214	+18.9	+18.4	+18.0	+23.2
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (204) 23 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.17	+12.0	+8.3	+273	+264	+16.7	+14.5	+13.5	+12.7
100	0.17	+1.9	+2.4	+97	+152	+13.9	+13.4	+12.3	+11.7
200	0.17	+5.5	+4.1	+165	+194	+14.9	+12.2	+11.5	+10.8
300	0.17	+9.1	+4.1	+205	+201	+12.5	+10.9	+10.3	+10.2
400	0.17	+10.5	+3.9	+207	+214	+12.2	+10.4	+9.8	+9.8
500	0.17	+10.1	+6.5	+221	+221	+10.1	+9.3	+8.9	+9.2
600	0.18	+8.5	+5.1	+218	+215	+11.6	+9.6	+9.3	+8.8
700	0.18	+6.9	+3.7	+220	+244	+11.4	+10.8	+10.5	+9.1
800	0.18	+6.5	+5.2	+223	+226	+14.0	+14.3	+14.7	+10.6
900	0.18	+1.8	+3.7	+339	+356	+17.5	+17.6	+18.3	+12.1
1000	0.18	+6.8	+6.8	+23	+11	+18.0	+18.4	+19.4	+25.4
1100	0.18	+12.0	+10.1	+22	+7	+19.1	+19.7	+21.1	+34.0
1200	0.18	+7.4	+6.6	+26	+20	+21.1	+21.5	+23.0	+41.5
1300	0.18	+0.4	+4.5	+53	+78	+25.3	+25.7	+28.0	+47.4
1400	0.18	+9.6	+9.7	+347	+333	+17.7	+18.5	+19.0	+47.9
1500	0.18	+10.1	+8.4	+355	+310	+20.1	+20.0	+18.4	+49.0
1600	0.18	+6.8	+3.1	+332	+3	+25.0	+25.6	+27.0	+49.6
1700	0.18	+7.4	+6.7	+391	+352	+24.8	+24.7	+24.4	+44.9
1800	0.18	+4.8	+4.3	+219	+235	+25.9	+26.2	+27.2	+40.3
1900	0.18	+6.3	+6.0	+317	+277	+24.2	+23.3	+24.0	+32.9
2000	0.18	+4.6	+4.1	+3	+357	+24.5	+24.7	+24.7	+26.9
2100	0.18	+3.8	+4.8	+81	+81	+23.1	+22.2	+20.8	+22.0
2200	0.18	+3.6	+4.4	+199	+212	+16.5	+13.2	+15.9	+16.8
2300	0.18	+3.9	+3.7	+183	+212	+21.8	+17.7	+16.9	+17.6
MAX.		+12.0	+10.1	+391	+357	+25.9	+26.2	+28.0	+49.6
MIN.		+0.4	+2.4	+3	+3	+10.1	+9.3	+8.9	+8.8
AVG.	0.01	+6.7	+5.4	+197	+199	+18.4	+17.7	+17.9	+25.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (205) 24 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.18	+6.2	+4.1	+167	+213	+21.6	+17.7	+16.2	+16.5
100	0.18	+6.1	+3.2	+213	+231	+15.5	+14.5	+14.0	+15.1
200	0.18	+9.6	+3.5	+198	+191	+18.4	+14.4	+14.1	+14.2
300	0.18	+6.3	+4.7	+176	+210	+17.3	+14.4	+13.6	+13.6
400	0.18	+7.6	+4.1	+178	+195	+17.6	+14.4	+13.7	+13.0
500	0.18	+8.0	+7.6	+209	+224	+17.1	+14.0	+13.6	+12.6
600	0.18	+14.8	+8.7	+213	+207	+15.6	+12.8	+12.3	+11.9
700	0.18	+7.5	+3.8	+197	+211	+17.2	+14.6	+14.3	+11.9
800	0.18	+3.2	+1.5	+202	+209	+15.7	+13.5	+18.7	+10.5
900	0.18	+5.9	+4.0	+44	+46	+22.1	+23.4	+24.7	+15.5
1000	0.18	+6.2	+6.8	+361	+331	+20.3	+19.9	+22.8	+29.3
1100	0.18	+4.2	+6.6	+38	+35	+25.1	+24.7	+26.3	+40.2
1200	0.18	+5.5	+2.2	+73	+87	+29.6	+30.4	+31.7	+48.0
1300	0.18	+4.8	+4.9	+334	+346	+27.9	+28.4	+29.7	+51.0
1400	0.18	+4.3	+4.4	+316	+310	+27.6	+28.2	+29.7	+51.2
1500	0.18	+4.2	+3.3	+23	+14	+27.9	+27.8	+29.3	+53.3
1600	0.18	+7.3	+7.0	+239	+231	+30.8	+31.9	+33.4	+49.2
1700	0.18	+2.7	+4.4	+259	+283	+28.0	+28.5	+29.0	+39.4
1800	0.18	+19.0	+15.8	+36	+32	+25.2	+25.8	+26.7	+37.6
1900	0.18	+6.3	+7.1	+84	+74	+25.5	+26.2	+26.6	+32.4
2000	0.18	+4.5	+3.4	+142	+122	+22.1	+20.6	+22.2	+24.4
2100	0.18	+4.6	+2.0	+198	+208	+24.0	+23.0	+22.5	+23.7
2200	0.18	+11.5	+10.4	+207	+208	+22.0	+21.9	+21.8	+22.5
2300	0.18	+11.1	+8.9	+180	+174	+23.1	+22.8	+22.6	+22.6
MAX.		+19.0	+15.8	+361	+346	+30.8	+31.9	+33.4	+53.3
MIN.		+2.7	+1.5	+23	+14	+15.5	+12.8	+12.3	+10.5
AVG.	0.00	+7.1	+5.5	+179	+183	+22.4	+21.4	+22.1	+27.5
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (206) 25 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.18	+3.7	+2.2	+150	+158	+21.9	+21.7	+21.4	+21.0
100	0.18	+12.4	+8.4	+196	+205	+21.7	+19.6	+19.0	+18.4
200	0.18	+16.1	+11.5	+203	+207	+20.3	+19.1	+18.7	+17.7
300	0.18	+12.9	+9.6	+199	+207	+20.2	+18.4	+18.0	+17.4
400	0.18	+14.6	+5.3	+209	+201	+19.3	+17.6	+17.0	+16.1
500	0.18	+9.9	+6.4	+214	+204	+20.7	+17.4	+16.5	+15.6
600	0.18	+7.4	+3.1	+205	+218	+19.2	+15.6	+14.7	+14.2
700	0.18	+7.1	+4.5	+210	+238	+19.9	+17.0	+16.9	+14.4
800	0.18	+6.6	+4.6	+199	+219	+20.8	+20.5	+20.9	+17.0
900	0.18	+6.0	+4.2	+285	+268	+22.7	+23.3	+23.6	+22.9
1000	0.18	+17.0	+15.6	+222	+236	+19.3	+14.2	+23.6	+21.4
1100	0.18	+6.6	+7.8	+202	+207	+20.6	+22.4	+27.7	+27.2
1200	0.18	+13.6	+11.0	+189	+197	+27.8	+29.0	+30.8	+44.7
1300	0.18	+16.9	+19.6	+261	+265	+28.6	+29.2	+30.3	+47.5
1400	0.19	+8.0	+8.7	+180	+162	+18.7	+16.9	+24.3	+22.3
1500	0.19	+4.0	+5.1	+136	+155	+29.7	+30.8	+32.5	+44.6
1600	0.19	+1.6	+3.1	+347	+338	+29.6	+30.7	+31.9	+42.3
1700	0.19	+2.2	+4.0	+310	+253	+30.6	+31.8	+32.4	+44.4
1800	0.19	+21.0	+15.4	+7	+355	+25.8	+26.3	+23.7	+33.2
1900	0.19	+12.1	+10.2	+24	+357	+25.5	+24.4	+26.1	+30.0
2000	0.19	+19.3	+15.5	+352	+358	+22.6	+21.4	+19.5	+23.7
2100	0.19	+10.5	+7.4	+83	+102	+16.7	+15.0	+20.2	+20.8
2200	0.19	+10.5	+7.5	+120	+115	+21.3	+21.0	+20.5	+20.2
2300	0.19	+6.9	+6.3	+52	+23	+21.6	+21.0	+20.3	+19.9
MAX.		+21.0	+19.6	+352	+350	+30.6	+31.0	+32.5	+47.5
MIN.		+1.6	+2.2	+7	+23	+16.7	+14.2	+14.7	+14.2
AVG.	0.01	+10.3	+8.2	+190	+219	+22.7	+21.8	+22.9	+25.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (207) 26 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+4.7	+2.8	+145	+183	+20.2	+19.6	+18.5	+18.5
100	0.19	+10.4	+3.9	+214	+199	+19.1	+19.0	+18.6	+17.8
200	0.19	+6.8	+4.7	+180	+199	+20.6	+18.7	+18.0	+17.6
300	0.19	+5.9	+3.6	+205	+218	+23.0	+19.8	+19.1	+17.6
400	0.19	+5.3	+4.6	+237	+200	+21.9	+18.3	+17.2	+16.0
500	0.19	+6.9	+5.0	+216	+235	+18.8	+17.5	+16.6	+15.9
600	0.19	+5.6	+4.5	+215	+188	+19.0	+17.1	+16.5	+15.8
700	0.19	+7.9	+3.1	+227	+201	+17.7	+16.0	+15.8	+15.9
800	0.19	+3.5	+2.7	+203	+202	+15.6	+15.9	+20.0	+14.8
900	0.19	+7.0	+5.4	+242	+228	+23.7	+24.5	+25.5	+18.4
1000	0.19	+1.3	+1.7	+279	+204	+21.4	+24.8	+27.3	+30.9
1100	0.19	+7.0	+6.0	+347	+338	+27.1	+27.9	+29.2	+42.4
1200	0.19	+8.5	+6.0	+154	+145	+23.7	+23.5	+23.4	+28.0
1300	0.19	+7.6	+8.1	+73	+72	+25.5	+26.6	+27.7	+40.0
1400	0.19	+5.4	+5.3	+103	+81	+28.1	+29.1	+30.2	+39.0
1500	0.19	+11.5	+11.1	+255	+259	+30.3	+31.3	+32.5	+42.5
1600	0.19	+18.5	+16.0	+233	+210	+28.6	+29.2	+29.7	+36.7
1700	0.19	+23.3	+13.8	+255	+247	+26.2	+26.0	+31.1	+41.1
1800	0.19	+12.6	+6.6	+205	+162	+29.1	+29.8	+30.4	+35.0
1900	0.19	+10.1	+7.5	+217	+228	+29.7	+30.2	+30.7	+32.4
2000	0.19	+9.6	+10.1	+261	+254	+27.9	+27.9	+27.7	+27.6
2100	0.19	+8.2	+5.1	+241	+227	+27.2	+26.1	+24.3	+24.4
2200	0.19	+7.3	+5.4	+349	+319	+19.6	+21.5	+19.5	+20.0
2300	0.19	+3.3	+3.4	+166	+196	+24.0	+22.4	+21.1	+19.9
MAX.		+23.3	+16.0	+349	+338	+30.3	+31.3	+32.5	+42.5
MIN.		+1.3	+1.7	+73	+72	+15.6	+15.9	+15.8	+14.8
AVG.	0.00	+8.3	+6.1	+218	+208	+23.7	+23.4	+23.8	+26.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (208) 27 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+6.0	+4.0	+111	+130	+23.8	+23.1	+21.2	+19.1
100	0.19	+7.8	+5.4	+171	+200	+21.9	+20.9	+19.8	+17.8
200	0.19	+15.5	+7.7	+208	+210	+21.0	+18.4	+17.9	+16.2
300	0.19	+15.0	+9.1	+185	+198	+19.2	+17.3	+16.7	+15.0
400	0.19	+12.0	+11.6	+194	+219	+20.7	+18.0	+17.0	+14.0
500	0.19	+10.0	+5.5	+211	+204	+21.7	+15.2	+14.3	+12.6
600	0.19	+8.0	+3.8	+208	+222	+21.2	+15.5	+14.7	+11.8
700	0.19	+9.6	+5.8	+204	+215	+18.2	+16.4	+16.1	+11.9
800	0.19	+3.5	+1.8	+171	+211	+23.5	+23.0	+23.2	+13.0
900	0.19	+7.0	+7.4	+186	+185	+25.0	+25.5	+26.2	+15.6
1000	0.19	+4.8	+5.3	+266	+271	+28.8	+29.3	+29.8	+32.4
1100	0.19	+11.9	+8.2	+221	+215	+29.1	+29.5	+31.0	+42.3
1200	0.19	+12.1	+10.7	+167	+194	+29.9	+30.8	+32.1	+47.2
1300	0.19	+16.1	+14.7	+213	+198	+28.2	+29.2	+31.6	+51.0
1400	0.19	+16.3	+13.8	+253	+226	+20.7	+20.5	+31.9	+50.7
1500	0.19	+27.8	+27.7	+240	+247	+29.8	+30.7	+32.7	+52.6
1600	0.19	+16.7	+16.2	+235	+224	+29.9	+30.7	+32.4	+50.6
1700	0.19	+15.3	+13.6	+216	+208	+23.2	+20.7	+26.5	+45.3
1800	0.19	+18.0	+15.3	+259	+253	+23.9	+22.5	+31.2	+39.5
1900	0.19	+10.6	+8.3	+235	+224	+28.7	+29.4	+29.9	+34.2
2000	0.19	+8.9	+7.0	+217	+207	+27.9	+27.9	+27.7	+27.3
2100	0.19	+10.3	+6.2	+184	+213	+26.2	+23.9	+22.8	+22.5
2200	0.19	+10.9	+6.9	+176	+202	+26.1	+22.5	+20.8	+19.8
2300	0.19	+7.8	+4.6	+210	+239	+22.8	+21.7	+20.8	+20.2
MAX.		+27.8	+27.7	+266	+271	+29.9	+30.8	+32.7	+52.6
MIN.		+3.5	+1.8	+99	+99	+18.2	+15.2	+14.3	+11.8
AVG.	0.00	+11.7	+9.2	+206	+213	+24.6	+23.4	+24.5	+28.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (209) 28 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+4.6	+1.7	+208	+224	+25.7	+20.3	+19.7	+19.1
100	0.19	+10.1	+4.8	+198	+192	+23.1	+19.1	+18.6	+17.7
200	0.19	+14.9	+9.3	+194	+197	+22.4	+19.1	+18.3	+17.3
300	0.19	+15.8	+13.1	+216	+209	+22.2	+18.4	+17.4	+15.6
400	0.19	+11.5	+5.4	+221	+233	+21.2	+16.7	+15.8	+14.4
500	0.19	+18.4	+12.9	+194	+203	+19.7	+16.9	+16.3	+15.3
600	0.19	+13.6	+7.1	+182	+192	+20.6	+19.0	+18.4	+15.9
700	0.19	+0.3	+1.4	+219	+264	+20.1	+18.5	+17.7	+16.6
800	0.19	+8.2	+5.1	+179	+204	+21.3	+20.9	+20.8	+18.7
900	0.19	+20.9	+11.6	+169	+180	+24.3	+25.0	+25.9	+19.3
1000	0.19	+17.1	+10.9	+159	+150	+25.9	+26.6	+27.1	+34.5
1100	0.19	+4.3	+4.5	+217	+232	+23.0	+21.0	+28.6	+41.5
1200	0.19	+7.0	+7.6	+139	+165	+29.2	+30.0	+31.9	+50.4
1300	0.19	+4.7	+4.9	+135	+167	+30.7	+31.4	+32.5	+50.4
1400	0.19	+4.7	+4.9	+337	+326	+30.7	+31.7	+33.1	+51.2
1500	0.19	+10.9	+11.1	+315	+300	+28.9	+29.5	+30.9	+52.0
1600	0.19	+15.6	+10.4	+310	+306	+28.5	+29.5	+30.3	+50.5
1700	0.19	+6.5	+6.6	+68	+55	+29.0	+29.5	+30.3	+44.7
1800	0.19	+13.0	+7.4	+296	+321	+28.6	+29.3	+30.1	+40.3
1900	0.19	+14.6	+11.0	+325	+317	+27.8	+28.4	+28.7	+33.7
2000	0.19	+15.5	+14.2	+330	+321	+26.7	+26.9	+26.8	+27.8
2100	0.19	+8.8	+7.3	+368	+346	+22.9	+21.7	+15.3	+20.2
2200	0.19	+8.1	+4.5	+321	+301	+23.9	+23.1	+22.3	+20.9
2300	0.19	+5.4	+2.0	+328	+325	+22.6	+22.0	+19.9	+18.5
MAX.		+20.9	+14.2	+368	+346	+30.7	+31.7	+33.1	+52.0
MIN.		+0.3	+1.4	+68	+55	+19.7	+16.7	+15.3	+14.4
AVG.	0.00	+10.6	+7.5	+235	+239	+25.0	+23.9	+24.0	+29.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (210) 29 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+4.6	+4.2	+97	+100	+20.1	+19.5	+18.4	+17.4
100	0.19	+3.5	+2.4	+128	+219	+20.4	+18.2	+15.9	+15.7
200	0.19	+0.5	+2.8	+153	+184	+19.4	+18.7	+16.9	+14.8
300	0.19	+5.3	+4.0	+150	+193	+21.1	+17.6	+15.8	+13.9
400	0.19	+7.0	+5.5	+178	+224	+18.5	+14.4	+13.7	+13.1
500	0.19	+12.5	+6.3	+197	+207	+17.0	+13.6	+12.9	+12.4
600	0.19	+12.6	+7.2	+208	+201	+17.6	+13.9	+13.2	+12.0
700	0.19	+12.9	+10.8	+200	+208	+17.6	+14.9	+14.4	+12.0
800	0.19	+8.8	+6.0	+231	+188	+14.5	+13.7	+17.7	+9.7
900	0.19	+4.4	+3.9	+285	+281	+22.1	+22.7	+23.4	+15.4
1000	0.19	+3.5	+4.0	+260	+264	+16.7	+17.7	+24.0	+28.2
1100	0.19	+4.4	+5.0	+306	+332	+21.4	+21.0	+24.5	+38.7
1200	0.19	+6.7	+6.1	+314	+291	+24.7	+25.9	+27.5	+45.9
1300	0.19	+6.6	+5.2	+343	+340	+27.9	+28.4	+29.6	+50.4
1400	0.19	+7.6	+10.8	+258	+262	+29.8	+30.8	+32.3	+52.6
1500	0.19	+5.6	+5.4	+288	+301	+29.6	+30.6	+31.6	+50.3
1600	0.19	+8.7	+6.6	+251	+239	+27.8	+28.2	+28.7	+39.6
1700	0.19	+6.6	+3.1	+296	+316	+28.6	+24.7	+27.4	+40.5
1800	0.19	+11.4	+10.6	+329	+282	+27.9	+28.6	+29.0	+37.7
1900	0.19	+11.5	+6.6	+366	+344	+25.2	+25.5	+20.0	+31.2
2000	0.19	+14.6	+12.5	+321	+315	+21.0	+21.9	+17.4	+25.5
2100	0.19	+10.6	+12.0	+345	+343	+21.4	+19.6	+20.5	+21.3
2200	0.19	+8.6	+3.9	+331	+317	+23.6	+23.1	+22.6	+21.4
2300	0.19	+6.7	+3.5	+328	+311	+22.9	+21.9	+20.0	+18.4
MAX.		+14.6	+12.5	+366	+344	+29.8	+30.8	+32.3	+52.6
MIN.		+0.5	+2.4	+97	+99	+14.5	+13.6	+12.9	+9.7
AVG.	0.00	+7.7	+6.2	+257	+261	+22.4	+21.5	+21.6	+26.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (211) 30 JULY '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+6.8	+4.0	+282	+255	+20.9	+19.5	+16.4	+16.3
100	0.19	+6.0	+3.1	+317	+258	+20.9	+18.7	+15.0	+14.9
200	0.19	+9.5	+6.0	+294	+286	+20.3	+17.9	+16.5	+14.6
300	0.19	+11.2	+6.3	+318	+282	+19.1	+18.0	+17.5	+14.6
400	0.19	+3.9	+1.8	+324	+175	+16.4	+15.4	+14.8	+13.0
500	0.19	+3.2	+4.8	+246	+219	+15.6	+13.2	+12.1	+11.5
600	0.19	+7.3	+5.9	+222	+218	+16.4	+11.1	+10.8	+11.2
700	0.19	+12.8	+8.4	+217	+224	+15.4	+12.9	+12.5	+11.0
800	0.19	+8.7	+7.3	+235	+227	+16.6	+16.8	+17.2	+12.7
900	0.19	+8.7	+4.8	+286	+253	+13.1	+14.2	+19.4	+12.4
1000	0.19	+6.7	+7.0	+326	+351	+20.6	+21.3	+22.2	+29.8
1100	0.19	+6.7	+7.2	+363	+335	+20.4	+18.7	+21.4	+36.9
1200	0.19	+6.0	+3.9	+274	+202	+25.5	+26.7	+28.0	+45.1
1300	0.19	+7.1	+5.3	+379	+330	+20.7	+22.1	+26.1	+49.0
1400	0.19	+4.2	+3.7	+287	+304	+26.3	+26.5	+27.4	+50.7
1500	0.19	+4.8	+5.7	+278	+332	+26.2	+26.4	+27.6	+52.0
1600	0.19	+5.6	+4.7	+351	+332	+24.0	+22.3	+24.8	+49.2
1700	0.19	+7.7	+7.8	+339	+336	+27.2	+28.0	+29.1	+46.4
1800	0.19	+8.6	+10.7	+350	+354	+26.6	+26.9	+27.5	+39.9
1900	0.19	+14.2	+14.0	+10	+9	+26.4	+26.8	+27.3	+33.5
2000	0.19	+11.3	+10.2	+19	+11	+25.6	+25.7	+25.7	+27.4
2100	0.19	+2.1	+2.4	+82	+170	+22.9	+22.2	+20.7	+22.2
2200	0.19	+5.2	+2.4	+115	+199	+22.9	+20.6	+19.4	+19.7
2300	0.19	+6.3	+2.9	+131	+197	+23.5	+20.2	+19.1	+18.0
MAX.		+14.2	+14.0	+379	+354	+27.2	+28.0	+29.1	+52.0
MIN.		+2.1	+1.8	+10	+9	+13.1	+11.1	+10.8	+11.0
AVG.	0.00	+7.3	+5.8	+252	+244	+21.4	+20.5	+20.8	+27.2
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (212) 31 JULY '79

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 187		DAY 188		TIME	DAY 189		DAY 190	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
		2.3	3.5	0	2.9	3.7	4.9	6.5
		3.0	3.5	100	2.1	3.0	2.8	5.6
		0.3	1.1	200	3.9	4.8	3.7	5.4
		1.0	2.3	300	2.4	2.9	5.7	7.2
		0.6	1.6	400	3.1	3.7	4.9	7.5
		1.2	2.3	500	2.0	2.4	5.1	6.7
		1.2	2.1	600	1.0	1.4	3.4	6.7
		0.2	0.3	700	0.3	0.4	1.4	2.7
		0.6	-0.6	800	-0.3	-0.5	-0.2	0.1
-0.3	-0.6	-0.4	-1.5	900	-0.8	-1.6	-0.4	-3.1
2.1	6.2	-0.6	-1.6	1000	-1.0	-2.1	-0.4	-1.1
8.0	11.3	-1.2	-2.6	1100	-1.0	-2.2	-0.4	-2.8
-1.2	-2.7	-0.9	-2.9	1200	-0.4	-1.4	0.4	-5.3
-1.5	-2.9	-0.8	-3.1	1300	0.6	-4.3	-0.2	-1.4
-1.5	-3.1	-1.5	-3.3	1400	-1.0	-2.7	-1.1	-1.9
-1.4	-2.9	-1.0	-2.8	1500	-0.7	-2.3	-0.9	-1.9
7.3	23.4	-1.0	-3.0	1600	-1.0	-2.7	1.5	-0.7
-0.6	-1.2	-0.6	-2.0	1700	-1.1	-2.4	3.1	1.1
-0.5	-1.4	-0.9	-2.0	1800	-0.7	-1.8	-0.9	-1.8
-0.5	-1.1	0.9	-0.5	1900	-0.7	-1.2	-0.5	-1.1
1.2	10.8	-0.2	-0.3	2000	-0.2	-0.3	0.0	0.3
0.2	0.4	1.1	2.6	2100	1.2	2.7	0.7	1.9
8.0	12.2	2.9	5.0	2200	1.7	3.8	3.3	4.1
0.2	0.5	4.2	5.0	2300	2.4	3.6	2.8	3.8

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 191		DAY 192		TIME	DAY 193		DAY 194	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
3.3	4.7	1.1	5.2	0	1.3	1.9	2.5	4.1
1.7	2.5	3.8	5.2	100	1.5	2.7	0.9	2.9
1.1	1.9	3.9	4.4	200	1.6	2.7	2.4	4.3
1.3	1.9	0.7	1.0	300	0.6	1.1	1.7	4.0
1.4	2.1	1.4	2.2	400	2.6	5.6	0.8	3.9
1.9	2.6	3.2	3.9	500	5.1	6.4	4.3	5.1
1.2	2.8	3.0	3.8	600	2.8	5.6	3.0	3.8
1.5	2.2	1.0	1.0	700	3.2	3.3	1.5	1.6
2.9	-0.9	-0.5	-1.2	800	-0.4	-0.7	-1.1	-4.4
-0.8	-1.4	-0.4	-4.5	900	-1.2	-4.5	-0.7	-1.3
-1.0	-2.2	-0.6	-1.5	1000	-0.6	-1.9	-1.0	-3.5
0.5	-4.2	0.1	0.0	1100	-0.7	-2.0	-1.1	-2.0
-0.8	-2.5	-0.7	-2.7	1200	-0.4	-1.7	-1.2	-2.2
1.7	-4.1	0.4	-7.3	1300	-1.7	-4.2	-1.6	0.0
-0.7	-2.6	-0.9	-5.3	1400	-0.6	-1.7	-0.3	0.7
-1.7	-7.8	1.8	-1.1	1500	-1.2	-2.6	-0.6	-2.1
-0.9	-2.3	-2.3	-3.5	1600	1.5	-1.6	1.8	-1.2
-0.7	-2.1	-0.8	-2.1	1700	-1.0	-2.5	-1.1	-1.6
-0.7	-1.9	-0.6	-1.4	1800	0.8	2.9	-1.0	-1.8
-0.6	-1.4	-0.3	-1.0	1900	-0.6	-1.3	-0.6	-1.0
-0.1	-0.1	-0.1	-0.2	2000	0.3	1.1	0.0	-0.3
1.7	2.8	1.0	2.4	2100	0.7	1.3	0.3	0.9
2.9	3.9	3.2	3.6	2200	0.3	0.6	1.9	2.6
1.2	1.8	0.7	8.5	2300	0.5	1.0	1.0	2.6

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 195		DAY 196		TIME
[-33]	[-10]	[-33]	[-10]	
0.6	2.7	1.6	3.5	0
2.6	3.3	0.0	0.9	100
1.6	2.9	0.4	1.1	200
3.8	4.9	2.6	3.1	300
3.2	3.7	0.1	0.3	400
5.1	6.0	0.2	1.2	500
4.8	5.7	1.3	2.4	600
0.5	0.8	1.2	2.0	700
-0.6	-1.0	-0.3	-0.8	800
-0.4	-1.2	-0.6	-1.6	900
-0.7	-1.8	-0.4	-4.2	1000
-0.7	-1.6	-1.4	-2.4	1100
-0.6	-2.0	-0.3	-1.5	1200
-0.6	-2.0	-0.5	-1.6	1300
2.5	-3.5	-0.6	-1.2	1400
-0.5	-1.5	-1.6	-3.3	1500
-0.5	-1.1	-1.7	-3.2	1600
1.3	3.1	-0.9	-2.5	1700
2.0	3.6	1.6	-1.6	1800
-0.4	-0.6	-0.3	-0.3	1900
-0.2	-0.2	-0.1	-0.2	2000
0.5	1.0	0.6	1.1	2100
1.0	1.8	0.6	1.4	2200
2.5	4.4	1.9	3.0	2300

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 197		DAY 198		TIME	DAY 199		DAY 200	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.3	1.9	0.5	0.9	0	2.3	2.8	-0.1	0.2
0.5	0.9	0.6	1.3	100	3.6	4.1	0.5	0.7
1.1	1.8	1.4	2.2	200	2.3	2.9	1.7	2.7
1.2	1.6	0.6	1.5	300	1.4	1.9	1.9	3.0
1.0	1.3	0.4	0.9	400	1.1	1.6	2.3	3.6
0.7	1.0	0.8	1.2	500	0.9	1.4	2.2	2.9
0.8	1.0	0.8	1.5	600	0.8	1.4	1.3	1.6
0.3	0.9	0.6	1.1	700	0.3	0.5	0.6	0.8
-0.6	-0.9	2.6	-1.4	800	0.9	-5.7	2.2	-3.1
3.9	5.5	-0.4	-1.2	900	-0.5	-4.0	1.4	-2.3
2.2	-3.4	-0.2	-1.0	1000	-0.7	-1.6	-0.9	-1.6
1.4	-1.4	0.3	-2.6	1100	-0.6	-1.9	-0.8	-1.6
-1.2	-2.6	-0.1	-3.8	1200	-0.5	-1.9	-1.2	-2.6
-0.3	-6.6	-0.6	-1.3	1300	-0.2	-1.2	-0.2	-2.0
-2.6	-7.8	-1.1	-4.1	1400	0.8	-0.8	0.7	-4.2
0.2	0.1	-0.7	-1.4	1500	-1.0	-2.8	-1.1	-1.3
0.5	-0.4	4.5	1.2	1600	-0.9	-2.3	3.3	0.8
-0.2	-0.3	-0.6	-1.6	1700	-1.1	-1.9	-0.6	-1.5
2.4	1.4	2.8	3.8	1800	-0.6	-1.5	-0.4	-0.9
1.6	-3.6	-0.4	-0.7	1900	-0.5	-0.9	-0.6	-1.1
-0.2	-0.1	-0.2	-0.2	2000	0.2	0.5	1.5	7.1
5.4	-0.2	0.9	2.7	2100	-0.1	0.0	0.5	1.5
0.3	0.7	2.4	4.1	2200	0.0	0.1	1.5	2.8
0.6	1.1	1.0	1.4	2300	-0.1	0.3	0.8	1.4

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 201		DAY 202		TIME	DAY 203		DAY 204	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.9	3.7	0.3	0.5	0	0.6	1.2	1.5	2.9
3.3	4.2	0.5	1.3	100	0.2	1.4	0.9	3.0
2.6	3.9	0.9	1.4	200	1.3	1.9	1.5	3.1
2.2	2.8	1.2	1.6	300	1.3	1.8	1.6	2.5
1.9	2.8	0.5	0.8	400	1.2	1.6	2.4	2.7
1.9	2.4	1.0	1.7	500	1.3	2.1	2.0	2.5
0.6	1.1	0.6	0.8	600	1.0	1.2	1.5	2.0
3.0	5.5	-0.1	-0.1	700	1.1	1.3	0.9	1.1
-1.5	10.3	-0.3	-0.4	800	-0.6	-0.9	-0.3	-0.7
-0.7	-1.5	-0.5	-0.8	900	-0.9	-1.9	-0.8	-1.9
-0.7	-1.9	-1.0	-2.5	1000	-0.5	-6.2	-0.6	-1.7
-0.3	-4.9	-1.0	-2.3	1100	2.9	-6.6	-0.5	-1.4
6.8	3.8	-0.5	-2.3	1200	-2.6	-13.1	-0.8	-0.2
-0.1	-4.9	2.9	-1.9	1300	-2.2	-3.7	0.1	-1.3
-0.7	-1.2	-0.6	-1.5	1400	-1.2	-2.0	-1.2	-2.6
-0.5	-5.0	-0.3	-0.6	1500	-0.5	-0.5	-0.8	-1.1
-0.3	-3.1	-0.7	-1.6	1600	-0.6	-1.5	0.5	-4.4
-1.0	-2.4	-0.8	-1.5	1700	0.9	0.1	-0.5	-0.8
1.0	-4.0	4.4	12.6	1800	-0.3	-0.6	-0.6	-1.0
-0.7	-1.4	-0.4	-0.8	1900	-0.3	-0.7	0.5	-0.4
2.5	-0.7	-0.3	-0.4	2000	-0.3	-0.2	3.0	2.4
0.5	0.6	0.2	0.4	2100	1.7	3.0	-1.7	10.7
1.7	2.0	0.2	0.5	2200	0.4	1.2	1.4	2.3
0.1	0.3	-0.2	-0.2	2300	1.8	2.3	2.0	3.4

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 205		DAY 206		TIME	DAY 207		DAY 208	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
2.2	3.2	3.9	5.4	0	0.2	0.5	0.6	1.7
0.5	1.6	1.0	1.5	100	2.1	2.7	0.1	0.5
2.7	3.4	4.0	4.3	200	1.2	1.6	1.9	2.6
1.6	2.2	2.9	3.7	300	1.8	2.2	3.2	3.9
1.8	2.4	3.2	3.9	400	1.7	2.3	3.6	4.7
0.8	1.2	3.1	3.5	500	3.3	4.2	1.3	2.2
2.0	2.3	2.8	3.3	600	3.6	4.5	1.9	2.5
0.6	0.9	2.6	2.9	700	2.9	3.0	1.7	1.9
-0.3	-0.7	2.2	-3.0	800	0.3	-0.1	-0.3	-4.4
-0.1	-0.8	-1.3	-2.6	900	-0.6	-0.9	-0.8	-1.8
-0.4	-1.4	0.4	-2.5	1000	5.1	-4.3	-3.4	-5.9
-0.6	-2.0	0.4	-1.2	1100	-1.8	-7.1	-0.8	-2.1
-0.4	-1.9	-0.8	-2.1	1200	-1.2	-3.0	0.2	0.3
-0.4	-2.7	-0.5	-1.8	1300	-0.6	-1.7	-1.1	-2.2
-0.8	-1.3	-0.6	-2.1	1400	1.8	-5.6	-1.0	-2.1
0.1	1.7	0.1	-1.4	1500	-1.1	-2.8	-1.0	-2.2
-0.6	-2.0	-1.1	-2.6	1600	-1.1	-2.3	-0.6	-1.1
0.1	0.4	-0.5	-1.0	1700	-1.2	-1.8	0.2	-4.9
-0.3	-1.3	-0.6	-1.5	1800	-0.5	2.1	-0.7	-1.3
0.9	0.2	-0.7	-1.1	1900	1.1	-0.6	-0.5	-1.0
-0.2	-0.2	1.5	-0.1	2000	1.2	3.1	0.0	0.2
0.9	2.3	1.0	1.5	2100	1.7	-3.5	1.1	2.9
3.3	0.6	0.1	0.2	2200	0.3	0.8	-1.9	0.1
4.1	4.9	0.3	0.5	2300	0.6	1.3	1.6	2.9

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 209		DAY 210		TIME	DAY 211		DAY 212	
[-33] [-10]		[-33] [-10]			[-33] [-10]		[-33] [-10]	
0.7	2.6	5.4	6.0	0	0.6	1.7	1.4	4.5
1.0	2.1	4.0	4.5	100	2.2	4.5	2.2	5.9
2.6	3.1	3.3	4.1	200	0.7	2.5	2.4	3.8
1.9	2.5	3.8	4.8	300	3.5	5.3	1.1	1.6
2.7	3.7	4.5	5.4	400	4.1	4.8	1.0	1.6
6.5	7.4	2.8	3.4	500	3.4	4.1	2.4	3.5
5.7	6.5	1.6	2.2	600	3.7	4.4	5.3	5.6
1.8	2.1	1.6	2.4	700	2.7	3.2	2.5	2.9
0.5	0.3	0.4	0.5	800	0.8	-3.2	-0.2	-0.6
-0.5	-1.2	-0.7	-1.6	900	-0.6	-1.3	-1.1	-6.3
-0.5	-1.0	-0.7	-1.2	1000	-1.0	-7.3	-0.7	-1.6
-0.4	-1.9	2.0	-5.6	1100	0.4	-3.1	1.7	-1.0
-0.9	-2.2	-0.8	-2.7	1200	-1.2	-2.8	-1.2	-2.5
-1.0	-3.4	-0.7	-1.8	1300	-0.5	-1.7	-1.4	-5.4
0.2	-11.2	-1.0	-2.4	1400	-1.0	-2.5	-0.2	-1.1
-0.9	-2.9	-0.6	-2.0	1500	-1.0	-2.0	-0.2	-1.4
-0.8	-2.5	-1.0	-1.8	1600	-0.4	-0.9	1.7	-0.8
2.5	-3.3	-0.5	-1.3	1700	3.9	1.2	-0.8	-1.9
1.4	-7.3	-0.7	-1.5	1800	-0.7	-1.1	-0.3	-0.9
-0.7	-1.2	-0.6	-0.9	1900	-0.3	5.2	-0.4	-0.9
0.0	0.2	-0.2	-0.1	2000	-0.9	3.6	-0.1	-0.1
2.3	3.4	1.2	7.6	2100	1.8	0.9	0.7	2.2
3.6	5.3	0.8	1.6	2200	0.5	1.0	2.3	3.5
1.1	2.0	0.6	2.7	2300	1.0	2.9	3.3	4.4

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station #1

1 AUGUST 1979 through 31 AUGUST 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

15 APR 80
James B. Mershon, Vice Pres.

PRECIPITATION RECORDINGS

1 AUGUST 1979 through 31 AUGUST 1979

DAY	219	(7 AUGUST)	-	.06"	2200 hrs.
DAY	229	(17 AUGUST)	-	.03"	1900
DAY	230	(18 AUGUST)	-	.20"	1400
DAY	231	(19 AUGUST)	-	2.11"	0600 - 2000
DAY	232	(20 AUGUST)	-	.21"	1100 - 1200
DAY	234	(22 AUGUST)	-	.02"	2300

2.63" TOTAL FOR PERIOD

PERFORMANCE EVALUATION

1. Station failure from Day 224 to Day 229.
Data not available due to possible lightning damage.
2. Air temperature 100' shows intermittent low readings from Day 232 to Day 243.
This error causes minimal impact on calculated values. May be due to lightning damage or damaged signal cable.

GEOKINETICS MET STATION 1 WIND ROSE VALUES

100' ----- NUMBER OF OCCURRENCES: ----- 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
4	4	6	5	(19)	N	3	7	8	2	(20)	
3	6	10	3	(22)	N N E	5	8	6	3	(22)	
2	9	12	5	(28)	N E	1	11	3	3	(18)	
4	12	2	0	(18)	E N E	5	11	0	0	(16)	
3	4	2	2	(11)	E	1	5	1	0	(7)	
2	3	9	1	(15)	E S E	2	4	1	0	(7)	
2	4	7	13	(26)	S E	1	12	5	6	(24)	
4	10	18	41	(73)	S S E	4	11	14	21	(50)	
2	20	34	77	(133)	S	10	22	40	36	(108)	
3	18	49	45	(115)	S S W	8	55	70	22	(155)	
2	13	20	15	(50)	S W	7	44	20	11	(82)	
4	4	8	3	(19)	W S W	3	12	6	1	(22)	
2	9	9	4	(24)	W	6	9	13	2	(30)	
0	14	11	9	(34)	W N W	0	14	13	2	(29)	
1	9	12	6	(28)	N W	3	15	4	2	(24)	
1	7	8	2	(18)	N N W	2	7	8	2	(19)	

(39) (146) (217) (231)

(61) (247) (212) (113)

100' ----- PERCENTAGES OF OCCURRENCES: ----- 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
0.6	0.6	0.9	0.8	(3.0)	N	0.5	1.1	1.3	0.3	(3.2)	
0.5	0.9	1.6	0.5	(3.5)	N N E	0.8	1.3	0.9	0.5	(3.5)	
0.3	1.4	1.9	0.8	(4.4)	N E	0.2	1.7	0.5	0.5	(2.8)	
0.6	1.9	0.3	0.0	(2.8)	E N E	0.8	1.7	0.0	0.0	(2.5)	
0.5	0.6	0.3	0.3	(1.7)	E	0.2	0.8	0.2	0.0	(1.1)	
0.3	0.5	1.4	0.2	(2.4)	E S E	0.3	0.6	0.2	0.0	(1.1)	
0.3	0.6	1.1	2.1	(4.1)	S E	0.2	1.9	0.8	0.9	(3.8)	
0.6	1.6	2.8	6.5	(11.5)	S S E	0.6	1.7	2.2	3.3	(7.9)	
0.3	3.2	5.4	12.2	(21.0)	S	1.6	3.5	6.3	5.7	(17.1)	
0.5	2.8	7.7	7.1	(18.2)	S S W	1.3	8.7	11.1	3.5	(24.5)	
0.3	2.1	3.2	2.4	(7.9)	S W	1.1	7.0	3.2	1.7	(13.0)	
0.6	0.6	1.3	0.5	(3.0)	W S W	0.5	1.9	0.9	0.2	(3.5)	
0.3	1.4	1.4	0.6	(3.8)	W	0.9	1.4	2.1	0.3	(4.7)	
0.0	2.2	1.7	1.4	(5.4)	W N W	0.0	2.2	2.1	0.3	(4.6)	
0.2	1.4	1.9	0.9	(4.4)	N W	0.5	2.4	0.6	0.3	(3.8)	
0.2	1.1	1.3	0.3	(2.8)	N N W	0.3	1.1	1.3	0.3	(3.0)	

(6.2) (23.1) (34.3) (36.5)

(9.6) (39.0) (33.5) (17.9)

FROM 213 0 THRU 243 2300 FOR 633 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+8.6	+3.3	+231	+248	+18.0	+16.6	+16.0	+16.8
100	0.19	+5.7	+4.5	+264	+216	+20.8	+17.3	+15.9	+15.7
200	0.19	+8.9	+3.8	+256	+214	+20.5	+15.9	+15.1	+14.7
300	0.19	+9.6	+8.1	+209	+216	+19.3	+14.5	+13.9	+13.5
400	0.19	+10.5	+5.7	+190	+215	+16.8	+13.3	+12.3	+12.2
500	0.19	+10.4	+4.1	+184	+199	+17.0	+13.3	+11.9	+11.5
600	0.19	+11.1	+4.9	+214	+223	+18.8	+13.7	+12.9	+11.3
700	0.19	+11.6	+3.5	+207	+210	+17.5	+14.9	+14.4	+11.2
800	0.19	+6.2	+6.7	+196	+214	+19.4	+19.2	+19.4	+12.5
900	0.19	+0.9	+2.1	+243	+240	+16.1	+16.8	+25.2	+14.3
1000	0.19	+2.3	+3.0	+238	+241	+19.9	+21.1	+26.7	+30.2
1100	0.19	+8.7	+8.5	+332	+326	+25.6	+26.5	+27.2	+40.0
1200	0.19	+8.4	+6.2	+354	+331	+27.2	+27.8	+28.6	+46.9
1300	0.19	+12.2	+10.3	+280	+262	+22.2	+22.7	+29.6	+48.9
1400	0.19	+11.1	+12.1	+309	+277	+26.1	+25.8	+30.9	+49.5
1500	0.19	+12.6	+11.1	+265	+260	+26.8	+24.4	+32.0	+51.0
1600	0.19	+9.5	+9.5	+335	+299	+25.2	+24.2	+27.3	+49.2
1700	0.19	+11.1	+7.7	+276	+266	+27.4	+26.2	+30.7	+46.1
1800	0.19	+5.9	+5.3	+249	+228	+27.7	+28.1	+28.7	+35.6
1900	0.19	+5.3	+4.0	+284	+316	+27.5	+27.9	+28.1	+33.7
2000	0.19	+5.6	+5.7	+367	+360	+25.3	+23.4	+26.5	+27.4
2100	0.19	+6.2	+4.9	+18	+8	+26.1	+26.1	+24.7	+23.4
2200	0.19	+2.9	+3.3	+125	+187	+24.2	+22.5	+20.2	+20.0
2300	0.19	+4.4	+0.9	+70	+142	+23.6	+21.4	+18.9	+17.9
MAX.		+12.6	+12.1	+367	+360	+27.7	+28.1	+32.0	+51.0
MIN.		+0.9	+0.9	+18	+8	+16.1	+13.3	+11.9	+11.2
AVG.	0.00	+7.9	+5.8	+237	+237	+22.5	+21.0	+22.4	+27.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (213) 1 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+7.9	+4.8	+116	+147	+24.0	+21.0	+19.7	+16.6
100	0.19	+8.2	+4.3	+138	+166	+22.7	+19.9	+19.1	+15.5
200	0.19	+6.3	+4.5	+158	+211	+21.8	+18.8	+17.2	+15.2
300	0.19	+4.8	+5.1	+174	+219	+20.9	+18.9	+17.4	+14.8
400	0.19	+11.0	+7.4	+216	+188	+16.8	+14.8	+14.4	+13.5
500	0.19	+8.8	+3.9	+189	+194	+17.1	+13.6	+12.9	+12.3
600	0.19	+10.7	+7.5	+219	+218	+16.9	+13.6	+13.1	+12.0
700	0.19	+4.2	+3.3	+185	+204	+19.4	+15.0	+14.3	+11.8
800	0.19	+2.0	+1.1	+163	+214	+21.3	+21.2	+21.0	+13.0
900	0.19	+6.3	+5.8	+344	+319	+21.9	+22.4	+23.0	+16.3
1000	0.19	+5.6	+4.5	+316	+279	+23.6	+24.6	+25.3	+31.6
1100	0.19	+6.8	+7.7	+310	+288	+20.6	+21.8	+26.1	+36.5
1200	0.19	+12.0	+8.7	+352	+372	+26.8	+27.5	+28.7	+46.5
1300	0.19	+5.4	+6.3	+211	+210	+29.5	+30.3	+32.5	+51.5
1400	0.19	+4.9	+3.9	+262	+231	+30.4	+30.4	+31.0	+52.9
1500	0.19	+5.8	+5.1	+303	+258	+27.5	+28.1	+31.7	+52.5
1600	0.19	+12.4	+11.3	+298	+288	+28.3	+29.7	+30.7	+50.9
1700	0.19	+12.9	+11.4	+336	+323	+26.2	+27.4	+28.1	+45.4
1800	0.19	+3.8	+4.9	+315	+298	+28.6	+29.1	+29.7	+39.3
1900	0.19	+14.7	+12.5	+27	+2	+28.2	+28.6	+29.1	+34.5
2000	0.19	+11.6	+11.3	+29	+26	+27.4	+27.5	+27.3	+28.2
2100	0.19	+5.3	+0.4	+45	+81	+22.9	+20.0	+20.6	+21.5
2200	0.19	+1.6	+3.1	+141	+188	+23.5	+22.7	+21.5	+20.2
2300	0.19	+9.0	+3.9	+328	+291	+23.9	+22.7	+20.1	+18.9
MAX.		+14.7	+12.5	+352	+372	+30.4	+30.4	+32.5	+52.9
MIN.		+1.6	+0.4	+27	+2	+16.8	+13.6	+12.9	+11.8
AVG.	0.00	+7.6	+5.9	+216	+217	+23.8	+22.9	+23.1	+28.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (214) 2 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+9.5	+4.3	+310	+294	+23.2	+22.1	+20.7	+17.1
100	0.19	+0.8	+2.8	+82	+195	+20.0	+18.5	+15.3	+15.4
200	0.19	+5.1	+4.3	+189	+203	+21.5	+17.7	+15.7	+14.3
300	0.19	+4.0	+2.9	+198	+217	+21.2	+15.1	+13.8	+13.4
400	0.19	+3.3	+4.4	+171	+239	+20.3	+15.8	+14.0	+12.7
500	0.19	+7.7	+5.3	+188	+212	+20.5	+14.1	+13.2	+11.8
600	0.19	+8.1	+4.6	+181	+217	+17.7	+13.5	+12.5	+11.1
700	0.19	+7.9	+4.6	+184	+224	+18.1	+15.3	+14.6	+11.2
800	0.19	+3.1	+2.1	+166	+160	+20.6	+20.9	+20.9	+12.0
900	0.19	+4.1	+2.9	+248	+261	+23.6	+24.3	+24.9	+14.8
1000	0.19	+6.1	+7.2	+297	+265	+20.0	+21.6	+25.4	+30.4
1100	0.19	+10.7	+10.6	+264	+242	+26.8	+27.6	+28.4	+40.9
1200	0.19	+8.5	+7.4	+292	+265	+27.4	+28.3	+28.9	+46.5
1300	0.19	+12.9	+13.0	+322	+314	+26.3	+26.9	+28.0	+48.2
1400	0.19	+9.2	+7.5	+349	+342	+29.4	+29.9	+30.8	+52.3
1500	0.19	+6.5	+6.9	+84	+75	+29.9	+29.1	+31.8	+51.9
1600	0.19	+3.9	+3.0	+197	+184	+31.5	+32.2	+34.2	+53.1
1700	0.19	+15.8	+12.5	+49	+28	+28.4	+23.6	+30.4	+48.1
1800	0.19	+4.2	+3.1	+162	+159	+31.5	+32.2	+32.7	+41.9
1900	0.19	+5.9	+4.4	+53	+73	+29.5	+30.3	+30.7	+36.1
2000	0.19	+9.3	+6.4	+163	+171	+28.3	+28.4	+28.4	+28.8
2100	0.19	+14.1	+7.7	+163	+179	+26.3	+25.2	+24.7	+24.3
2200	0.19	+17.0	+9.8	+164	+167	+25.2	+24.3	+23.7	+21.8
2300	0.19	+11.7	+11.6	+209	+227	+24.4	+23.3	+22.2	+20.4
MAX.		+17.0	+13.0	+349	+342	+31.5	+32.2	+34.2	+53.1
MIN.		+0.8	+2.1	+49	+28	+17.7	+13.5	+12.5	+11.1
AVG.	0.00	+7.9	+6.2	+195	+205	+24.7	+23.3	+23.6	+28.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (215) 3 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+11.8	+7.6	+200	+204	+22.9	+20.3	+19.4	+18.2
100	0.19	+3.7	+4.5	+222	+220	+24.5	+19.6	+18.9	+17.0
200	0.19	+6.7	+4.7	+179	+211	+24.8	+18.1	+17.3	+15.7
300	0.19	+8.5	+5.2	+168	+207	+24.1	+17.7	+16.5	+14.8
400	0.19	+6.7	+4.2	+164	+205	+23.8	+16.8	+16.0	+14.1
500	0.19	+11.8	+7.6	+204	+220	+17.8	+15.9	+15.5	+13.7
600	0.19	+9.9	+5.6	+170	+209	+20.8	+18.4	+16.8	+13.2
700	0.19	+9.5	+8.1	+201	+221	+18.5	+18.3	+17.8	+13.6
800	0.19	+3.0	+2.4	+43	+13	+22.4	+22.5	+22.8	+14.5
900	0.19	+4.5	+5.4	+301	+313	+22.6	+23.1	+23.9	+17.1
1000	0.19	+9.1	+6.6	+45	+38	+25.5	+26.4	+27.7	+33.9
1100	0.19	+4.4	+4.5	+40	+22	+28.1	+28.4	+30.3	+43.5
1200	0.19	+6.1	+2.7	+53	+35	+31.1	+32.3	+34.3	+50.5
1300	0.19	+7.0	+7.6	+27	+7	+31.4	+32.1	+33.9	+54.5
1400	0.19	+10.9	+9.8	+168	+190	+33.5	+34.4	+36.6	+56.0
1500	0.19	+6.8	+5.9	+250	+258	+33.8	+36.5	+37.0	+56.6
1600	0.19	+14.1	+11.8	+153	+169	+33.9	+34.8	+36.0	+55.9
1700	0.19	+2.6	+1.3	+169	+104	+34.0	+34.4	+35.2	+52.1
1800	0.19	+8.5	+8.8	+158	+165	+32.1	+33.0	+34.2	+43.7
1900	0.19	+12.0	+11.9	+183	+185	+31.6	+32.1	+32.7	+37.3
2000	0.19	+8.3	+6.7	+153	+141	+30.0	+30.1	+29.9	+29.8
2100	0.19	+7.5	+4.2	+224	+207	+22.4	+20.4	+23.0	+23.0
2200	0.19	+11.3	+6.5	+204	+205	+28.1	+24.0	+22.8	+21.9
2300	0.19	+13.7	+9.3	+209	+209	+25.7	+22.4	+21.2	+19.9
MAX.		+14.1	+11.9	+301	+313	+34.0	+36.5	+37.0	+56.6
MIN.		+2.6	+1.3	+27	+7	+17.8	+15.9	+15.5	+13.2
AVG.	0.00	+8.3	+6.4	+162	+165	+26.8	+25.5	+25.8	+30.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (216) 4 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+14.5	+8.9	+200	+190	+24.9	+20.7	+19.9	+18.9
100	0.19	+12.4	+8.6	+198	+200	+24.5	+19.2	+18.7	+17.8
200	0.19	+8.3	+3.3	+201	+221	+25.0	+19.8	+19.2	+16.7
300	0.19	+9.5	+4.5	+188	+231	+21.0	+18.1	+17.3	+16.0
400	0.19	+10.6	+9.4	+186	+220	+21.1	+18.1	+17.5	+15.8
500	0.19	+14.5	+5.9	+154	+168	+21.4	+20.3	+19.4	+15.4
600	0.19	+19.6	+16.3	+166	+171	+22.8	+22.1	+21.6	+16.5
700	0.19	+20.7	+15.1	+174	+178	+22.4	+22.1	+21.8	+17.1
800	0.19	+18.0	+14.3	+175	+177	+24.2	+24.6	+24.7	+19.0
900	0.19	+11.9	+7.4	+165	+170	+26.4	+26.9	+27.4	+22.0
1000	0.19	+14.9	+12.8	+174	+194	+27.7	+28.5	+29.9	+36.0
1100	0.19	+6.3	+5.9	+149	+138	+21.4	+23.4	+32.5	+44.7
1200	0.19	+13.3	+10.9	+172	+175	+30.9	+32.8	+34.7	+51.3
1300	0.19	+10.5	+6.6	+119	+151	+32.5	+33.9	+35.7	+56.2
1400	0.19	+2.3	+1.9	+337	+328	+30.8	+32.0	+32.7	+57.1
1500	0.19	+9.9	+10.0	+301	+293	+29.4	+29.9	+30.3	+40.1
1600	0.19	+2.5	+3.7	+352	+315	+30.8	+31.0	+31.9	+42.2
1700	0.19	+6.6	+4.4	+267	+253	+32.0	+32.8	+33.0	+41.1
1800	0.19	+12.9	+10.9	+309	+294	+30.2	+31.0	+31.6	+39.4
1900	0.19	+7.7	+5.5	+290	+302	+27.8	+27.9	+28.0	+32.0
2000	0.19	+4.6	+4.1	+267	+253	+26.7	+26.1	+25.6	+27.1
2100	0.19	+4.4	+3.3	+204	+144	+21.7	+15.4	+20.8	+19.9
2200	0.19	+13.0	+8.9	+182	+210	+25.6	+23.9	+22.9	+22.4
2300	0.19	+14.6	+8.4	+195	+205	+25.8	+23.2	+22.6	+21.4
MAX.		+20.7	+16.3	+352	+328	+32.5	+33.9	+35.7	+57.1
MIN.		+2.3	+1.9	+99	+99	+21.0	+15.4	+17.3	+15.4
AVG.	0.00	+11.0	+8.0	+214	+216	+26.1	+25.2	+25.8	+29.4
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (217) 5 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+15.9	+9.5	+186	+196	+24.2	+22.3	+21.8	+20.6
100	0.19	+13.2	+8.7	+183	+210	+23.6	+22.8	+22.3	+20.7
200	0.19	+14.5	+12.4	+196	+204	+23.8	+22.7	+22.2	+20.3
300	0.19	+13.2	+8.8	+194	+201	+23.6	+22.8	+22.3	+20.0
400	0.19	+16.2	+12.8	+182	+186	+23.0	+22.5	+22.2	+20.3
500	0.19	+14.9	+11.6	+185	+186	+23.5	+22.9	+22.7	+20.2
600	0.19	+13.7	+9.6	+183	+196	+22.6	+21.6	+20.9	+19.0
700	0.19	+13.4	+11.2	+212	+205	+24.2	+22.4	+21.8	+20.3
800	0.19	+11.2	+7.4	+204	+195	+22.5	+22.4	+22.4	+21.2
900	0.19	+12.5	+9.1	+184	+201	+26.3	+27.1	+27.9	+24.7
1000	0.19	+6.0	+7.5	+229	+206	+28.2	+28.7	+29.8	+37.8
1100	0.19	+11.0	+9.3	+167	+166	+25.7	+26.3	+26.9	+34.0
1200	0.19	+11.4	+11.1	+208	+195	+22.8	+20.6	+27.5	+37.9
1300	0.19	+4.5	+6.0	+319	+315	+29.4	+29.8	+31.2	+50.5
1400	0.19	+10.3	+6.9	+76	+73	+32.0	+32.5	+34.1	+56.2
1500	0.19	+13.3	+13.6	+291	+272	+24.5	+25.2	+30.7	+50.6
1600	0.19	+10.9	+9.1	+308	+285	+26.0	+27.9	+30.0	+49.1
1700	0.19	+8.2	+5.3	+301	+286	+30.3	+31.9	+32.9	+49.3
1800	0.19	+6.3	+7.1	+321	+340	+30.0	+30.4	+31.1	+43.3
1900	0.19	+1.8	+2.8	+15	+29	+29.8	+30.1	+30.6	+38.0
2000	0.19	+25.9	+21.8	+169	+163	+25.1	+25.4	+25.5	+30.5
2100	0.19	+20.6	+18.8	+189	+203	+23.6	+23.7	+23.7	+25.7
2200	0.19	+13.1	+10.5	+189	+180	+14.8	+13.8	+22.8	+22.3
2300	0.19	+8.0	+6.6	+153	+147	+23.7	+23.8	+23.6	+23.7
MAX.		+25.9	+21.8	+321	+340	+32.0	+32.5	+34.1	+56.2
MIN.		+1.8	+2.8	+15	+29	+14.8	+13.8	+20.9	+19.0
AVG.	0.00	+12.1	+9.9	+202	+202	+25.1	+25.0	+26.1	+31.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (218) 6 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.19	+8.2	+7.8	+192	+197	+22.4	+22.3	+22.0	+21.7
100	0.19	+18.9	+14.4	+150	+150	+22.9	+23.0	+22.9	+22.2
200	0.19	+13.2	+9.7	+162	+175	+22.2	+21.6	+21.2	+20.9
300	0.19	+15.9	+8.4	+179	+174	+21.1	+20.6	+20.4	+19.6
400	0.19	+14.2	+12.2	+207	+211	+19.8	+19.2	+18.8	+18.6
500	0.19	+15.9	+11.2	+193	+229	+18.9	+18.5	+18.2	+17.7
600	0.19	+3.4	+3.9	+152	+169	+17.8	+16.4	+15.6	+16.1
700	0.19	+8.1	+4.0	+189	+207	+19.0	+17.5	+16.5	+15.7
800	0.19	+6.3	+5.9	+192	+200	+20.8	+21.1	+21.3	+18.3
900	0.19	+9.2	+8.3	+188	+186	+22.9	+23.6	+24.1	+22.3
1000	0.19	+14.2	+11.3	+194	+177	+15.1	+14.0	+22.4	+24.8
1100	0.19	+10.5	+8.3	+187	+166	+14.2	+15.3	+23.2	+25.0
1200	0.19	+7.2	+7.1	+163	+158	+27.4	+28.3	+29.5	+43.3
1300	0.19	+14.3	+9.7	+139	+167	+18.7	+21.2	+30.1	+50.0
1400	0.19	+14.1	+15.6	+302	+297	+13.5	+19.6	+19.9	+39.5
1500	0.19	+12.4	+11.3	+305	+283	+22.3	+23.1	+23.7	+38.8
1600	0.19	+8.0	+9.2	+335	+273	+22.5	+23.1	+23.6	+35.8
1700	0.19	+4.7	+5.5	+347	+340	+21.8	+22.3	+23.8	+40.8
1800	0.19	+7.2	+6.2	+293	+292	+24.6	+24.9	+25.1	+31.9
1900	0.19	+10.9	+9.0	+253	+237	+23.3	+23.4	+23.3	+26.5
2000	0.19	+3.1	+2.7	+259	+217	+22.4	+22.4	+21.4	+23.9
2100	0.19	+15.3	+11.4	+278	+264	+21.8	+21.4	+21.2	+22.8
2200	0.25	+12.5	+11.1	+362	+338	+18.8	+16.5	+16.9	+17.6
2300	0.25	+4.6	+3.7	+261	+221	+17.3	+15.9	+15.4	+17.0
MAX.		+18.9	+15.6	+362	+340	+27.4	+28.3	+30.1	+50.0
MIN.		+3.1	+2.7	+99	+99	+13.5	+14.0	+15.4	+15.7
AVG.	0.06	+10.5	+8.7	+228	+222	+20.5	+20.6	+21.7	+26.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (219) 7 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.25	+4.4	+4.6	+219	+238	+18.8	+15.8	+14.8	+15.9
100	0.25	+2.6	+4.1	+203	+171	+18.1	+16.0	+15.2	+16.0
200	0.25	+6.1	+3.7	+180	+227	+19.7	+16.8	+15.8	+14.9
300	0.25	+2.4	+1.1	+11	+164	+18.6	+16.6	+15.2	+14.3
400	0.25	+3.3	+1.9	+174	+184	+18.1	+16.8	+14.8	+13.3
500	0.25	+5.9	+4.6	+221	+183	+17.3	+14.8	+14.1	+12.6
600	0.25	+10.1	+7.1	+203	+210	+17.4	+15.1	+13.3	+11.7
700	0.25	+17.1	+10.8	+183	+186	+17.5	+16.3	+15.9	+12.0
800	0.25	+13.5	+14.5	+172	+176	+19.4	+19.8	+20.0	+14.8
900	0.25	+9.6	+9.0	+204	+193	+16.4	+17.4	+22.6	+16.2
1000	0.25	+11.0	+10.2	+246	+238	+17.0	+18.8	+24.0	+22.4
1100	0.25	+3.4	+6.8	+205	+178	+16.7	+14.5	+22.7	+23.7
1200	0.25	+5.4	+3.1	+232	+252	+26.6	+27.3	+27.3	+33.3
1300	0.25	+5.1	+3.2	+288	+320	+23.5	+24.1	+24.8	+30.5
1400	0.25	+4.7	+3.8	+295	+338	+21.3	+23.1	+27.2	+38.4
1500	0.25	+6.5	+5.6	+293	+291	+22.8	+21.9	+26.1	+39.3
1600	0.25	+8.3	+8.1	+312	+311	+25.1	+26.0	+26.7	+39.4
1700	0.25	+12.8	+6.6	+108	+81	+25.1	+26.0	+26.6	+34.6
1800	0.25	+8.8	+4.4	+117	+124	+24.8	+25.3	+25.6	+30.1
1900	0.25	+8.6	+3.2	+123	+129	+19.1	+19.7	+24.0	+25.4
2000	0.25	+7.5	+3.8	+141	+170	+24.4	+24.2	+24.1	+24.4
2100	0.25	+9.1	+6.6	+144	+145	+15.9	+13.8	+20.6	+20.0
2200	0.25	+17.9	+13.7	+152	+153	+20.5	+20.3	+20.0	+18.8
2300	0.25	+13.6	+12.6	+182	+182	+20.1	+20.0	+19.7	+17.6
MAX.		+17.9	+14.5	+312	+338	+26.6	+27.3	+27.3	+39.4
MIN.		+2.4	+1.1	+11	+81	+15.9	+13.8	+13.3	+11.7
AVG.	0.00	+8.2	+6.4	+192	+202	+20.2	+19.6	+20.9	+22.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (220) 8 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.25	+13.3	+9.1	+215	+218	+20.2	+19.7	+19.5	+18.2
100	0.25	+9.3	+4.4	+122	+110	+18.7	+18.0	+17.4	+17.0
200	0.25	+8.8	+5.7	+185	+186	+17.8	+17.6	+17.2	+16.4
300	0.25	+7.7	+4.2	+198	+198	+16.6	+16.1	+15.7	+15.2
400	0.25	+11.7	+7.2	+199	+220	+17.1	+16.0	+15.7	+14.7
500	0.25	+8.1	+7.6	+206	+218	+16.0	+14.9	+14.5	+13.7
600	0.25	+11.1	+5.0	+187	+193	+16.8	+14.4	+13.9	+13.0
700	0.25	+8.9	+5.4	+193	+191	+16.2	+15.3	+15.1	+13.1
800	0.25	+5.3	+6.4	+214	+215	+19.0	+19.4	+19.8	+14.5
900	0.25	+8.4	+6.0	+47	+58	+19.8	+20.8	+21.6	+17.3
1000	0.25	+5.6	+5.8	+54	+30	+21.0	+21.8	+22.9	+30.6
1100	0.25	+1.8	+1.6	+67	+314	+15.6	+17.8	+25.2	+37.9
1200	0.25	+8.3	+5.8	+273	+292	+18.8	+20.9	+26.5	+44.7
1300	0.25	+12.9	+11.3	+23	+6	+26.1	+26.8	+28.4	+48.7
1400	0.25	+7.6	+6.1	+265	+262	+26.7	+27.4	+28.5	+46.5
1500	0.25	+9.7	+6.9	+180	+187	+25.6	+26.1	+26.9	+40.3
1600	0.25	+4.1	+2.3	+182	+171	+25.6	+26.1	+27.7	+39.4
1700	0.25	+8.1	+5.5	+128	+139	+26.0	+26.5	+27.0	+33.7
1800	0.25	+3.9	+1.9	+58	+65	+27.7	+28.6	+29.4	+32.9
1900	0.25	+1.9	+2.3	+26	+5	+26.7	+27.0	+27.2	+29.7
2000	0.25	+14.0	+11.8	+353	+353	+25.2	+25.5	+25.4	+25.7
2100	0.25	+21.3	+12.8	+42	+27	+22.9	+23.1	+23.1	+23.1
2200	0.25	+27.8	+26.4	+34	+28	+20.6	+20.9	+20.8	+21.9
2300	0.25	+15.5	+15.3	+53	+40	+19.0	+19.2	+19.1	+19.6
MAX.		+27.8	+26.4	+353	+353	+27.7	+28.6	+29.4	+48.7
MIN.		+1.8	+1.6	+23	+5	+15.6	+14.4	+13.9	+13.0
AVG.	0.00	+9.8	+7.4	+146	+155	+21.1	+21.2	+22.0	+26.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (221) 9 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.25	+16.4	+13.2	+47	+49	+17.2	+17.4	+17.3	+18.3
100	0.25	+15.2	+9.5	+81	+49	+16.4	+16.5	+16.4	+17.0
200	0.25	+7.8	+4.3	+97	+90	+16.4	+15.6	+14.9	+15.7
300	0.25	+7.6	+5.5	+296	+280	+16.1	+14.5	+12.3	+14.3
400	0.25	+12.3	+8.5	+291	+270	+14.9	+14.0	+13.7	+14.0
500	0.25	+7.0	+3.1	+322	+284	+14.5	+13.6	+12.2	+12.8
600	0.25	+7.4	+4.4	+303	+279	+14.1	+12.5	+11.3	+11.8
700	0.25	+6.1	+2.1	+281	+200	+13.4	+12.6	+12.2	+11.7
800	0.25	+3.8	+4.1	+9	+336	+11.2	+12.9	+14.1	+12.4
900	0.25	+4.4	+5.5	+60	+47	+12.5	+14.7	+16.9	+15.1
1000	0.25	+10.8	+11.7	+40	+25	+12.7	+15.0	+18.7	+28.1
1100	0.25	+6.7	+5.9	+19	+345	+19.9	+20.9	+21.9	+36.9
1200	0.25	+13.8	+9.3	+26	+25	+20.1	+21.1	+22.4	+42.2
1300	0.25	+5.4	+4.8	+54	+31	+21.4	+22.2	+23.8	+47.3
1400	0.25	+4.4	+3.7	+58	+60	+22.7	+23.5	+13.8	+49.0
1500	0.25	+8.7	+9.4	+321	+299	+23.3	+23.9	+25.4	+49.3
1600	0.25	+10.6	+8.7	+53	+24	+24.5	+25.8	+27.0	+48.9
1700	0.25	+11.9	+11.7	+20	+348	+24.8	+25.4	+26.5	+46.2
1800	0.25	+9.6	+6.1	+16	+10	+24.4	+24.1	+10.7	+37.1
1900	0.25	+14.2	+15.2	+10	+39	+24.2	+24.6	+25.1	+31.7
2000	0.25	+7.9	+6.1	+22	+15	+23.5	+23.6	+23.4	+25.7
2100	0.25	+8.5	+4.5	+31	+17	+22.7	+21.8	+20.2	+21.4
2200	0.25	+4.7	+2.1	+68	+71	+21.2	+19.6	+17.9	+19.0
2300	0.25	+5.6	+4.0	+144	+182	+20.5	+18.0	+16.8	+17.3
MAX.		+16.4	+15.2	+322	+348	+24.8	+25.8	+27.0	+49.3
MIN.		+3.8	+2.1	+9	+10	+11.2	+12.5	+10.7	+11.7
AVG.	0.00	+8.8	+6.8	+111	+141	+18.9	+18.9	+18.1	+26.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (222) 10 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.25	+5.4	+1.9	+106	+167	+20.4	+18.2	+17.3	+16.1
100	0.25	+5.8	+2.7	+133	+177	+19.7	+17.7	+16.5	+15.0
200	0.25	+4.2	+6.6	+196	+228	+18.3	+15.3	+14.2	+14.4
300	0.25	+11.3	+6.9	+222	+230	+17.5	+15.1	+14.4	+13.7
400	0.25	+8.9	+4.3	+214	+221	+17.7	+13.6	+12.9	+12.9
500	0.25	+10.8	+4.0	+207	+205	+15.7	+13.1	+12.3	+12.1
600	0.25	+8.3	+3.6	+275	+220	+17.1	+14.1	+12.4	+11.6
700	0.25	+5.3	+3.8	+210	+211	+16.1	+12.9	+12.0	+11.3
800	0.25	+9.3	+9.0	+202	+218	+16.6	+16.8	+16.9	+13.2
900	0.25	+3.2	+2.7	+195	+189	+20.4	+21.1	+21.8	+17.6
1000	0.25	+4.9	+5.4	+199	+233	+24.2	+24.7	+25.8	+31.7
1100	0.25	+3.3	+4.5	+133	+107	+25.9	+25.7	+26.9	+40.9
1200	0.25	+7.0	+5.7	+316	+263	+23.7	+26.7	+28.4	+46.6
1300	0.25	+5.8	+5.3	+247	+198	+28.9	+30.2	+31.9	+50.9
1400	0.25	+13.9	+9.8	+321	+293	+26.9	+27.5	+28.7	+50.1
1500	0.25	+15.9	+14.9	+4	+349	+27.5	+28.0	+29.5	+49.7
1600	0.25	+10.1	+8.3	+305	+331	+28.0	+28.9	+29.8	+46.5
1700	0.25	+10.9	+8.5	+345	+336	+27.1	+27.8	+28.6	+43.2
1800	0.25	+9.2	+8.1	+363	+350	+26.4	+26.7	+27.0	+34.0
1900	0.25	+5.4	+5.3	+29	+10	+26.7	+26.9	+27.3	+32.7
2000	0.25	+0.6	+0.2	+352	+4	+25.0	+25.4	+24.8	+26.3
2100	0.25	+1.0	+1.4	+40	+208	+23.1	+23.4	+21.0	+22.2
2200	0.25	+7.2	+3.0	+149	+181	+24.5	+20.9	+19.8	+19.8
2300	0.25	+9.0	+6.4	+177	+203	+22.4	+20.0	+19.3	+19.6
MAX.		+15.9	+14.9	+363	+350	+28.9	+30.2	+31.9	+50.9
MIN.		+0.6	+0.2	+4	+4	+15.7	+12.9	+12.0	+11.3
AVG.	0.00	+7.4	+5.5	+206	+214	+22.5	+21.7	+21.6	+27.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (223) 11 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.25	+13.1	+8.8	+191	+212	+20.3	+19.2	+18.8	+18.8
100	0.25	+15.2	+12.1	+199	+198	+20.6	+19.5	+19.1	+18.7
200	0.25	+14.1	+11.1	+190	+196	+21.3	+19.8	+19.4	+18.9
300	0.25	+9.8	+6.4	+184	+190	+22.3	+20.9	+20.2	+17.8
400	0.25	+12.8	+8.6	+176	+201	+20.0	+18.9	+18.4	+16.9
500	0.25	+18.5	+14.4	+175	+171	+20.2	+19.7	+19.5	+16.8
600	0.25	+17.9	+17.1	+168	+176	+19.7	+19.4	+19.1	+16.5
700	0.25	+19.9	+17.9	+175	+168	+19.5	+19.5	+19.3	+16.7
800	0.25	+16.8	+13.9	+180	+184	+20.8	+21.2	+21.3	+19.8
900	0.25	+23.3	+22.0	+168	+169	+21.2	+21.7	+22.1	+22.7
1000	0.25	+21.3	+13.7	+177	+168	+22.5	+23.0	+23.5	+27.0
1100	0.25	+15.1	+13.3	+190	+197	+22.5	+23.1	+24.0	+28.9
1200	0.25	+15.6	+13.5	+176	+164	+21.7	+22.5	+23.3	+29.9
1300	0.25	+18.2	+14.0	+177	+171	+23.7	+24.4	+25.7	+35.3
1400	0.25	+7.6	+7.9	+199	+201	+24.3	+25.2	+26.7	+42.2
1500	0.25	+12.6	+11.1	+138	+186	+25.8	+27.1	+29.2	+43.0
1600	0.25	+12.8	+9.0	+138	+130	+26.2	+26.8	+27.9	+43.1
1700	0.25	+14.6	+14.0	+191	+187	+25.6	+26.2	+27.1	+39.8
1800	0.25	+15.5	+16.2	+171	+189	+24.2	+24.5	+24.8	+31.8
1900	0.25	+14.5	+12.5	+161	+137	+24.0	+24.3	+24.5	+28.7
2000	0.25	+7.7	+5.3	+163	+158	+23.2	+23.3	+23.3	+25.3
2100	0.25	+9.5	+5.1	+169	+170	+18.7	+18.0	+19.9	+21.8
2200	0.25	+7.8	+4.0	+327	+300	+16.2	+17.7	+17.7	+19.9
2300	0.25	+8.0	+5.0	+330	+320	+15.2	+16.7	+16.7	+18.9
MAX.		+23.3	+22.0	+330	+320	+26.2	+27.1	+29.2	+43.1
MIN.		+7.6	+4.0	+99	+99	+15.2	+16.7	+16.7	+16.5
AVG.	0.00	+14.3	+11.5	+188	+190	+21.7	+21.8	+22.1	+25.8
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (224) 12 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
1300	0.21	+13.2	+11.3	+216	+214	+15.6	+16.1	+17.0	+20.3
1400	0.21	+8.7	+11.4	+185	+178	+15.4	+15.8	+16.3	+18.8
1500	0.21	+11.7	+12.1	+219	+227	+16.2	+17.1	+18.2	+20.5
1600	0.21	+7.4	+3.5	+166	+190	+19.7	+20.9	+22.6	+29.3
1700	0.21	+8.8	+11.1	+209	+215	+9.1	+16.9	+21.9	+22.9
1800	0.21	+13.8	+13.3	+208	+216	+18.3	+18.6	+19.1	+23.0
1900	0.24	+11.3	+7.5	+203	+204	+16.6	+16.7	+16.8	+17.7
2000	0.24	+6.5	+4.1	+176	+171	+14.3	+16.1	+17.3	+16.5
2100	0.24	+3.4	+2.7	+315	+276	+15.2	+14.7	+14.4	+14.3
2200	0.24	+3.3	+2.1	+329	+275	+15.0	+13.9	+12.2	+13.0
2300	0.24	+9.0	+4.7	+295	+271	+14.4	+13.1	+12.6	+11.9
MAX.		+13.8	+13.3	+329	+276	+19.7	+20.9	+22.6	+29.3
MIN.		+3.3	+2.1	+99	+99	+9.1	+13.1	+12.2	+11.9
AVG.	0.03	+8.8	+7.6	+229	+222	+15.4	+16.4	+17.1	+18.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (229) 17 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.24	+4.3	+2.3	+195	+196	+13.5	+12.0	+11.5	+11.6
100	0.24	+3.3	+2.6	+178	+215	+14.2	+12.2	+11.8	+11.8
200	0.24	+6.3	+3.8	+196	+212	+12.2	+11.2	+10.8	+11.0
300	0.24	+16.5	+11.7	+214	+211	+11.3	+11.2	+11.2	+10.2
400	0.24	+15.3	+8.3	+192	+207	+12.2	+11.6	+11.1	+9.2
500	0.24	+5.5	+2.3	+233	+228	+15.0	+13.4	+12.6	+9.9
600	0.24	+8.4	+6.7	+328	+326	+11.8	+11.4	+11.3	+9.5
700	0.24	+6.9	+5.4	+292	+288	+12.8	+10.8	+9.7	+8.8
800	0.24	+4.7	+5.3	+188	+182	+14.5	+15.0	+15.3	+10.7
900	0.24	+2.4	+2.1	+103	+66	+15.3	+15.2	+15.8	+13.5
1000	0.24	+8.3	+3.7	+101	+100	+16.2	+16.8	+18.1	+18.9
1100	0.24	+2.5	+4.6	+184	+197	+19.9	+20.0	+20.9	+26.7
1200	0.24	+3.8	+3.7	+296	+309	+17.8	+18.4	+18.8	+25.5
1300	0.24	+16.8	+16.6	+179	+184	+18.3	+18.8	+19.5	+24.6
1400	0.44	+11.5	+9.9	+225	+238	+18.6	+19.6	+21.3	+30.4
1500	0.44	+13.6	+13.7	+156	+152	+19.1	+19.8	+21.6	+36.4
1600	0.44	+19.9	+14.8	+133	+157	+17.9	+18.9	+20.4	+32.1
1700	0.44	+19.5	+17.2	+152	+150	+18.4	+19.7	+21.5	+33.4
1800	0.44	+28.1	+23.4	+156	+160	+17.5	+18.3	+19.3	+28.4
1900	0.44	+9.6	+11.1	+281	+271	+15.6	+15.9	+16.3	+22.3
2000	0.44	+4.8	+4.6	+52	+52	+13.4	+13.7	+13.9	+18.6
2100	0.44	+4.9	+1.7	+150	+181	+13.1	+12.5	+12.4	+16.4
2200	0.44	+12.9	+10.5	+145	+153	+13.9	+13.9	+13.9	+15.1
2300	0.44	+12.6	+9.9	+150	+159	+13.4	+13.3	+13.2	+14.2
MAX.		+28.1	+23.4	+328	+326	+19.9	+20.0	+21.6	+36.4
MIN.		+2.4	+1.7	+52	+52	+11.3	+10.8	+9.7	+8.8
AVG.	0.20	+10.1	+8.2	+187	+191	+15.2	+15.2	+15.5	+18.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (230) 18 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.44	+16.7	+11.5	+164	+170	+12.8	+12.8	+12.7	+13.1
100	0.44	+15.4	+13.9	+164	+166	+12.3	+12.3	+12.3	+12.4
200	0.44	+12.1	+5.1	+191	+198	+11.6	+11.6	+11.6	+12.0
300	0.44	+5.5	+4.2	+198	+248	+11.5	+11.2	+11.0	+12.3
400	0.44	+6.3	+5.8	+189	+202	+11.0	+10.9	+10.6	+11.4
500	0.44	+10.4	+8.1	+193	+212	+10.8	+10.5	+10.5	+10.8
600	0.46	+17.1	+8.8	+164	+169	+11.4	+11.5	+11.7	+11.6
700	0.53	+10.1	+8.6	+201	+213	+10.0	+9.7	+9.5	+10.7
800	1.64	+0.9	+0.2	+86	+20	+8.7	+9.0	+9.2	+10.6
900	1.64	+1.3	+0.9	+39	+23	+9.1	+9.4	+9.9	+12.0
1000	1.65	+3.1	+3.1	+73	+69	+10.8	+11.3	+12.0	+16.4
1100	1.65	+3.2	+2.5	+337	+313	+12.1	+12.4	+12.9	+18.3
1200	1.67	+10.4	+7.6	+48	+39	+10.1	+10.1	+10.4	+14.6
1300	1.68	+6.8	+4.0	+117	+112	+10.0	+10.2	+10.4	+14.1
1400	1.69	+2.9	+1.9	+201	+173	+10.8	+11.1	+11.7	+15.6
1500	1.70	+1.8	+1.3	+262	+265	+12.6	+13.5	+14.9	+19.8
1600	1.70	+3.0	+4.0	+164	+201	+14.5	+15.0	+16.0	+23.0
1700	1.70	+3.1	+3.1	+181	+169	+13.5	+14.5	+15.6	+20.5
1800	1.70	+11.2	+10.2	+172	+171	+14.6	+14.8	+15.2	+18.2
1900	2.51	+11.2	+10.2	+220	+265	+10.9	+10.7	+10.7	+13.5
2000	2.55	+4.6	+4.9	+73	+46	+10.8	+10.9	+10.9	+12.9
2100	2.55	+2.5	+1.8	+76	+71	+10.5	+10.2	+10.3	+12.3
2200	2.55	+8.6	+5.5	+179	+213	+11.6	+11.2	+10.8	+11.8
2300	2.55	+13.8	+8.6	+165	+175	+12.2	+11.6	+11.5	+11.3
MAX.		+17.1	+13.9	+337	+313	+14.6	+15.0	+16.0	+23.0
MIN.		+0.9	+0.2	+39	+20	+8.7	+9.0	+9.2	+10.6
AVG.	2.11	+7.6	+5.7	+161	+163	+11.4	+11.5	+11.8	+14.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (231) 19 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.55	+10.9	+8.3	+165	+184	+12.2	+11.9	+11.7	+10.5
100	2.55	+16.0	+13.9	+159	+159	+12.6	+12.2	+12.1	+10.4
200	2.55	+9.3	+6.6	+193	+205	+11.7	+11.4	+11.3	+10.0
300	2.55	+11.3	+8.0	+182	+199	+10.6	+10.2	+10.2	+9.2
400	2.55	+11.5	+10.0	+182	+186	+11.0	+10.8	+10.8	+9.5
500	2.55	+7.9	+5.1	+186	+204	+10.5	+10.5	+10.5	+9.5
600	2.55	+8.9	+6.2	+193	+210	+10.7	+10.5	+10.3	+9.3
700	2.55	+10.3	+9.1	+198	+202	+10.7	+10.4	+10.4	+9.3
800	2.55	+9.2	+7.4	+220	+204	+10.9	+11.1	+11.3	+10.4
900	2.55	+6.4	+4.6	+183	+198	+9.2	+11.3	+12.8	+12.3
1000	2.55	+6.9	+6.0	+153	+164	+14.4	+15.0	+15.8	+15.9
1100	2.56	+8.5	+5.3	+187	+194	+15.1	+15.4	+15.8	+16.6
1200	2.76	+8.5	+8.4	+347	+338	+13.1	+12.8	+12.4	+13.2
1300	2.76	+1.0	+1.3	+213	+197	+12.4	+12.4	+12.7	+14.8
1400	2.76	+3.6	+2.4	+6	+352	+13.6	+13.8	+14.2	+17.1
1500	2.76	+7.8	+8.8	+110	+109	+14.3	+16.0	+17.9	+20.7
1600	2.76	+5.7	+4.5	+70	+78	-8.3	+7.6	+17.8	+19.2
1700	2.76	+12.5	+10.1	+286	+292	+15.2	+15.7	+16.0	+17.9
1800	2.76	+10.7	+6.5	+311	+328	+15.2	+15.5	+15.8	+16.9
1900	2.76	+6.8	+5.1	+332	+335	+15.2	+15.3	+15.5	+15.1
2000	2.76	+4.5	+4.5	+74	+77	+14.4	+14.3	+14.3	+13.7
2100	2.76	+5.1	+3.2	+119	+157	+11.1	+11.0	+12.3	+12.0
2200	2.76	+4.9	+3.9	+170	+202	+14.0	+12.1	+11.4	+10.7
2300	2.76	+7.2	+3.0	+186	+212	+13.0	+10.7	+10.0	+9.8
MAX.		+16.0	+13.9	+347	+352	+15.2	+16.0	+17.9	+20.7
MIN.		+1.0	+1.3	+6	+77	-8.3	+7.6	+10.0	+9.2
AVG.	0.21	+8.1	+6.3	+184	+208	+11.8	+12.4	+13.1	+13.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (232) 20 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.76	+11.8	+6.4	+178	+213	+12.2	+10.6	+10.3	+9.1
100	2.76	+13.6	+8.1	+190	+212	+12.5	+10.4	+10.0	+8.4
200	2.76	+15.7	+10.6	+194	+203	+11.9	+9.9	+9.6	+7.8
300	2.76	+14.0	+9.8	+193	+206	+12.2	+10.2	+9.5	+7.3
400	2.76	+14.6	+7.8	+186	+201	+11.9	+9.8	+9.4	+6.8
500	2.76	+12.4	+8.2	+198	+193	+14.0	+9.6	+9.0	+6.5
600	2.76	+10.8	+8.0	+202	+206	+12.6	+9.7	+9.2	+6.2
700	2.76	+11.0	+5.3	+203	+222	+12.6	+9.5	+8.9	+6.1
800	2.76	+7.9	+4.3	+211	+195	+12.4	+12.5	+12.7	+7.2
900	2.76	+4.0	+4.4	+196	+200	+15.8	+16.2	+16.8	+11.2
1000	2.76	+5.8	+4.8	+223	+207	+18.4	+18.9	+19.6	+19.6
1100	2.76	+7.3	+3.3	+281	+279	+19.6	+20.3	+20.8	+23.6
1200	2.76	+6.2	+4.9	+18	+350	+3.0	+13.8	+20.1	+23.8
1300	2.76	+9.2	+6.4	+313	+301	+20.9	+21.0	+22.2	+28.3
1400	2.76	+9.2	+6.4	+62	+56	+20.9	+22.0	+24.0	+28.8
1500	2.76	+8.2	+5.0	+132	+145	+6.8	+18.3	+23.9	+25.7
1600	2.76	+7.7	+4.4	+114	+127	+19.8	+20.3	+20.9	+23.5
1700	2.76	+4.7	+3.5	+66	+131	+20.6	+21.0	+21.6	+23.1
1800	2.76	+9.7	+6.8	+45	+40	+21.9	+22.4	+23.2	+21.7
1900	2.76	+11.0	+7.2	+230	+214	+21.0	+21.9	+22.6	+18.1
2000	2.76	+9.3	+6.6	+224	+227	+20.7	+20.0	+19.0	+15.1
2100	2.76	+10.1	+8.4	+200	+203	+19.9	+17.9	+16.1	+13.0
2200	2.76	+12.5	+9.9	+202	+201	+18.6	+16.4	+15.5	+11.7
2300	2.76	+14.9	+9.1	+210	+201	+15.5	+13.2	+13.6	+10.6
MAX.		+15.7	+10.6	+313	+350	+21.9	+22.4	+24.0	+28.8
MIN.		+4.0	+3.3	+18	+40	+3.0	+9.5	+8.9	+6.1
AVG.	0.00	+10.1	+6.7	+178	+197	+15.7	+15.7	+16.2	+15.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (233) 21 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.76	+13.3	+8.7	+195	+211	+16.6	+13.7	+13.2	+9.8
100	2.76	+8.2	+6.0	+194	+217	+15.7	+13.2	+12.4	+9.1
200	2.76	+12.6	+6.0	+202	+219	+16.0	+12.0	+11.4	+8.4
300	2.76	+9.7	+3.5	+208	+292	+12.7	+10.9	+10.6	+7.9
400	2.76	+8.3	+3.5	+199	+217	+14.1	+10.9	+10.2	+7.5
500	2.76	+6.8	+5.2	+209	+220	+15.2	+11.1	+10.7	+7.1
600	2.76	+10.8	+4.4	+206	+193	+13.0	+9.7	+9.2	+6.7
700	2.76	+6.2	+5.2	+211	+211	+13.7	+10.9	+10.4	+6.7
800	2.76	+9.0	+4.1	+200	+217	+12.5	+11.5	+11.6	+8.3
900	2.76	+0.3	+0.1	+236	+182	+16.7	+16.7	+16.8	+10.8
1000	2.76	+3.0	+2.5	+308	+306	+18.6	+19.6	+20.3	+19.6
1100	2.76	+1.4	+1.5	+362	+32	+6.6	+17.3	+22.8	+23.5
1200	2.76	+8.4	+8.1	+363	+352	+21.4	+22.0	+23.4	+30.7
1300	2.76	+10.3	+9.0	+28	+10	+22.8	+23.9	+25.2	+35.2
1400	2.76	+6.7	+6.3	+13	+6	+22.7	+23.6	+24.9	+38.8
1500	2.76	+3.2	+2.9	+157	+120	+26.2	+27.3	+29.5	+37.0
1600	2.76	+5.4	+5.9	+81	+68	+22.3	+25.9	+28.7	+35.2
1700	2.76	+4.7	+4.0	+285	+315	+24.5	+24.7	+25.3	+32.7
1800	2.76	+6.9	+4.9	+65	+79	+17.3	+21.7	+24.4	+29.0
1900	2.76	+7.0	+5.5	+51	+44	+22.9	+23.2	+23.5	+25.8
2000	2.76	+9.2	+7.3	+34	+21	+14.0	+20.2	+21.9	+21.0
2100	2.76	+7.0	+5.0	+108	+110	+19.2	+18.9	+18.7	+19.0
2200	2.76	+10.3	+7.9	+115	+129	+19.4	+18.7	+18.2	+17.5
2300	2.78	+8.5	+6.1	+317	+313	+18.3	+18.3	+18.4	+16.9
MAX.		+13.3	+9.0	+363	+352	+26.2	+27.3	+29.5	+38.8
MIN.		+0.3	+0.1	+13	+6	+6.6	+9.7	+9.2	+6.7
AVG.	0.02	+7.4	+5.2	+181	+170	+17.6	+17.7	+18.4	+19.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (234) 22 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+4.6	+3.4	+222	+140	+15.9	+14.9	+14.3	+14.7
100	2.78	+7.1	+4.1	+240	+209	+16.1	+13.4	+12.8	+13.3
200	2.78	+15.2	+10.8	+204	+208	+14.6	+11.8	+11.6	+12.2
300	2.78	+13.6	+8.2	+199	+200	+13.3	+11.8	+11.5	+11.3
400	2.78	+6.6	+4.2	+184	+195	+12.7	+10.6	+10.2	+10.4
500	2.78	+8.6	+4.1	+190	+219	+13.9	+10.7	+10.4	+9.8
600	2.78	+6.3	+5.6	+205	+201	+15.4	+11.0	+10.5	+9.2
700	2.78	+6.1	+3.2	+181	+217	+15.9	+10.9	+10.0	+8.9
800	2.78	+3.5	+1.0	+191	+198	+16.1	+16.3	+16.8	+10.9
900	2.78	+0.4	+1.6	+314	+212	+19.8	+21.0	+21.3	+15.9
1000	2.78	+2.8	+3.1	+275	+303	+20.7	+20.3	+21.2	+21.6
1100	2.78	+7.5	+7.8	+37	+29	+19.9	+20.9	+22.8	+28.9
1200	2.78	+9.1	+9.1	+22	+4	+22.1	+22.6	+23.6	+34.9
1300	2.78	+10.0	+7.7	+317	+303	+23.0	+23.4	+24.5	+38.5
1400	2.78	+7.5	+5.7	+201	+213	+24.7	+27.4	+29.9	+42.0
1500	2.78	+9.5	+5.0	+40	+20	+25.2	+25.8	+27.2	+35.5
1600	2.78	+4.7	+5.0	+45	+54	+24.9	+25.5	+27.4	+36.2
1700	2.78	+3.5	+2.9	+85	+71	+24.3	+24.8	+25.3	+29.6
1800	2.78	+6.1	+5.7	+27	+19	+24.7	+25.2	+26.0	+32.5
1900	2.78	+8.0	+5.9	+10	+6	+24.3	+24.7	+25.2	+26.8
2000	2.78	+11.0	+9.4	+212	+216	+23.3	+22.8	+22.3	+21.6
2100	2.78	+12.2	+9.5	+197	+207	+22.2	+19.7	+18.7	+18.5
2200	2.78	+13.1	+10.7	+182	+197	+19.4	+18.5	+18.1	+17.7
2300	2.78	+11.6	+9.4	+192	+203	+18.7	+17.8	+17.4	+16.7
MAX.		+15.2	+10.8	+317	+303	+25.2	+27.4	+29.9	+42.0
MIN.		+0.4	+1.0	+10	+4	+12.7	+10.6	+10.0	+8.9
AVG.	0.00	+7.9	+6.0	+166	+160	+19.6	+18.8	+19.1	+21.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (235) 23 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+16.5	+9.0	+190	+208	+18.4	+16.9	+16.7	+15.6
100	2.78	+17.3	+12.2	+200	+207	+17.7	+16.7	+16.3	+14.7
200	2.78	+16.8	+13.2	+196	+200	+17.1	+16.0	+15.6	+13.7
300	2.78	+9.7	+5.4	+247	+220	+17.4	+14.8	+13.8	+12.7
400	2.78	+9.5	+5.4	+226	+225	+15.6	+12.9	+12.6	+11.7
500	2.78	+9.7	+5.2	+212	+230	+13.7	+12.3	+11.7	+10.8
600	2.78	+6.5	+4.4	+228	+221	+16.7	+12.4	+11.2	+10.0
700	2.78	+11.5	+3.8	+200	+213	+14.8	+10.9	+10.5	+9.5
800	2.78	+15.5	+10.4	+200	+207	+15.9	+14.8	+14.9	+10.6
900	2.78	+8.6	+5.6	+229	+216	+19.0	+19.4	+20.1	+15.9
1000	2.78	+13.7	+14.8	+305	+283	+0.0	+12.7	+21.0	+18.1
1100	2.78	+12.8	+9.2	+290	+271	+19.3	+21.4	+23.0	+30.7
1200	2.78	+5.1	+5.4	+313	+325	+22.6	+23.4	+24.6	+36.6
1300	2.78	+8.5	+10.2	+346	+345	+23.9	+24.2	+25.4	+40.7
1400	2.78	+12.9	+11.6	+299	+284	+4.4	+19.2	+25.6	+36.3
1500	2.78	+16.8	+14.4	+321	+336	+24.3	+24.8	+25.7	+42.0
1600	2.78	+16.8	+15.1	+294	+304	+24.6	+25.7	+26.6	+40.7
1700	2.78	+13.5	+8.7	+298	+293	+25.2	+25.9	+26.8	+37.3
1800	2.78	+10.4	+6.6	+277	+317	+24.8	+25.2	+25.8	+31.2
1900	2.78	+10.9	+8.4	+288	+293	+24.0	+24.0	+24.2	+25.8
2000	2.78	+6.8	+5.0	+290	+283	+23.4	+22.5	+22.2	+23.1
2100	2.78	+9.5	+8.3	+389	+317	-10.4	+8.7	+19.3	+8.3
2200	2.78	+0.8	+1.8	+149	+156	+19.2	+18.4	+16.9	+17.9
2300	2.78	+2.3	+3.4	+222	+221	+19.1	+16.7	+15.1	+16.3
MAX.		+17.3	+15.1	+389	+345	+25.2	+25.9	+26.8	+42.0
MIN.		+0.8	+1.8	+99	+99	-10.4	+8.7	+10.5	+8.3
AVG.	0.00	+10.9	+8.2	+259	+257	+17.1	+18.3	+19.4	+22.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (236) 24 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+6.3	+5.4	+235	+214	+18.2	+14.5	+14.1	+15.0
100	2.78	+9.5	+6.8	+219	+220	+17.4	+13.5	+13.2	+14.0
200	2.78	+8.3	+3.3	+253	+236	+16.2	+13.5	+12.6	+14.1
300	2.78	+4.2	+3.7	+273	+223	+16.4	+14.5	+13.3	+13.5
400	2.78	+2.1	+2.6	+72	+186	+16.1	+14.9	+12.2	+11.9
500	2.78	+10.4	+3.6	+205	+207	+12.1	+10.1	+9.5	+10.6
600	2.78	+13.1	+6.6	+202	+205	+12.7	+10.0	+9.6	+9.9
700	2.78	+8.1	+2.0	+242	+223	+11.5	+10.0	+9.5	+9.3
800	2.78	+5.1	+4.3	+229	+214	+14.0	+14.2	+14.5	+11.2
900	2.78	+1.6	+2.1	+239	+239	+17.9	+18.0	+19.0	+16.8
1000	2.78	+1.5	+1.7	+239	+201	-4.4	+11.2	+19.1	+15.7
1100	2.78	+2.6	+0.7	+19	+344	+0.2	+14.2	+21.7	+21.0
1200	2.78	+6.8	+6.1	+60	+53	+21.1	+22.0	+23.5	+31.5
1300	2.78	+7.9	+7.0	+44	+47	+14.1	+20.6	+23.3	+35.9
1400	2.78	+3.5	+5.0	+6	+58	+24.0	+24.6	+25.8	+38.8
1500	2.78	+5.9	+7.2	+98	+86	+25.7	+26.7	+27.7	+38.0
1600	2.78	+1.4	+3.2	+64	+57	+26.0	+26.1	+27.6	+35.5
1700	2.78	+6.9	+5.9	+170	+187	+23.7	+24.3	+24.8	+29.9
1800	2.78	+14.4	+10.5	+218	+209	+23.8	+24.1	+24.5	+26.5
1900	2.78	+9.2	+6.6	+220	+227	+23.1	+23.2	+23.2	+23.7
2000	2.78	+13.8	+12.3	+333	+339	+21.0	+21.0	+21.1	+20.6
2100	2.78	+9.0	+4.6	+22	+16	+20.1	+19.4	+18.9	+18.2
2200	2.78	+3.7	+2.7	+131	+183	+18.9	+17.1	+15.6	+16.8
2300	2.78	+7.8	+5.9	+209	+197	+17.8	+15.7	+15.3	+16.1
MAX.		+14.4	+12.3	+333	+344	+26.0	+26.7	+27.7	+38.8
MIN.		+1.4	+0.7	+6	+16	-4.4	+10.0	+9.5	+9.3
AVG.	0.00	+6.8	+5.0	+167	+182	+17.0	+17.6	+18.3	+20.6
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (237) 25 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+7.4	+4.1	+199	+215	+17.9	+14.5	+14.3	+15.0
100	2.78	+10.1	+7.5	+197	+201	+16.2	+13.5	+13.2	+13.6
200	2.78	+14.8	+13.1	+192	+215	+15.3	+13.2	+12.9	+12.6
300	2.78	+11.4	+5.9	+191	+200	+16.0	+12.8	+12.2	+11.7
400	2.78	+6.1	+3.6	+233	+229	+16.6	+13.0	+12.3	+11.1
500	2.78	+3.6	+2.1	+302	+241	+16.4	+13.0	+11.6	+10.8
600	2.78	+1.6	+3.7	+163	+209	+14.4	+10.9	+10.0	+9.7
700	2.78	+4.0	+3.0	+302	+237	+15.4	+12.0	+10.9	+10.0
800	2.78	+3.3	+1.1	+268	+220	+12.7	+12.7	+13.7	+10.3
900	2.78	+4.8	+6.5	+185	+161	+17.7	+18.2	+19.0	+17.8
1000	2.78	+5.3	+2.4	+304	+269	+19.6	+20.7	+21.5	+24.6
1100	2.78	+1.2	+2.1	+149	+169	+23.1	+24.3	+25.5	+33.2
1200	2.78	+9.0	+6.0	+27	+43	+23.1	+23.8	+26.4	+39.6
1300	2.78	+7.3	+6.3	+51	+40	+23.9	+24.7	+26.2	+33.8
1400	2.78	+18.4	+8.7	+135	+132	+24.1	+26.3	+28.1	+41.7
1500	2.78	+13.8	+12.0	+165	+182	+23.8	+24.4	+25.5	+35.4
1600	2.78	+8.8	+6.4	+146	+140	+24.8	+25.7	+27.5	+39.9
1700	2.78	+7.6	+6.2	+161	+170	+23.5	+24.1	+24.9	+33.1
1800	2.78	+12.6	+7.8	+99	+124	+21.9	+22.2	+22.6	+28.1
1900	2.78	+16.6	+12.5	+194	+193	+19.2	+19.5	+19.7	+23.2
2000	2.78	+15.1	+12.3	+189	+177	+18.7	+18.4	+18.8	+20.0
2100	2.78	+11.9	+9.5	+197	+208	+17.8	+17.1	+16.8	+17.6
2200	2.78	+13.9	+11.0	+190	+207	+17.5	+16.7	+16.3	+16.1
2300	2.78	+15.2	+10.6	+185	+206	+17.5	+15.5	+15.1	+14.8
MAX.		+18.4	+13.1	+304	+269	+24.8	+26.3	+28.1	+41.7
MIN.		+1.2	+1.1	+27	+40	+12.7	+10.9	+10.0	+9.7
AVG.	0.00	+9.3	+6.9	+184	+183	+19.0	+18.2	+18.5	+21.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (238) 26 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+16.5	+12.4	+184	+204	+16.8	+15.1	+14.8	+14.0
100	2.78	+15.8	+10.6	+180	+196	+17.6	+14.9	+14.3	+13.2
200	2.78	+14.1	+12.3	+183	+195	+15.9	+14.8	+14.3	+12.6
300	2.78	+13.7	+9.7	+169	+193	+16.3	+14.9	+14.4	+12.1
400	2.78	+15.6	+8.5	+175	+192	+16.3	+14.5	+14.0	+11.7
500	2.78	+16.5	+12.7	+176	+187	+15.4	+14.5	+14.2	+11.3
600	2.78	+0.5	+1.7	+119	+273	+13.8	+13.3	+12.9	+10.5
700	2.78	+15.5	+12.2	+158	+176	+16.6	+16.2	+15.9	+10.8
800	2.78	+13.4	+14.7	+167	+187	+18.0	+18.2	+18.3	+13.3
900	2.78	+20.3	+11.7	+175	+165	+20.8	+21.4	+21.9	+19.2
1000	2.78	+9.7	+8.8	+185	+183	+11.0	+19.8	+23.6	+23.5
1100	2.78	+14.8	+11.7	+160	+153	+15.0	+22.6	+26.5	+32.4
1200	2.78	+15.6	+12.1	+226	+222	+12.0	+22.8	+28.3	+36.0
1300	2.78	+17.2	+14.8	+222	+216	+27.0	+27.9	+30.1	+44.1
1400	2.78	+23.6	+15.8	+220	+198	+15.0	+22.8	+29.9	+44.3
1500	2.78	+26.1	+17.3	+194	+169	+26.0	+27.3	+28.6	+43.9
1600	2.78	+26.5	+19.2	+216	+221	+26.5	+27.5	+28.7	+41.4
1700	2.78	+12.6	+14.7	+241	+230	+21.5	+26.3	+27.1	+34.9
1800	2.78	+13.1	+11.7	+246	+201	+8.8	+20.9	+25.8	+25.8
1900	2.78	+12.6	+11.1	+228	+218	+25.3	+25.6	+25.9	+26.5
2000	2.78	+7.7	+5.3	+212	+210	+24.3	+23.8	+23.1	+22.4
2100	2.78	+13.2	+7.8	+176	+184	+23.0	+20.9	+20.2	+20.0
2200	2.78	+16.8	+8.1	+185	+212	+21.0	+20.0	+19.6	+18.8
2300	2.78	+14.1	+10.3	+213	+220	+20.5	+20.0	+19.7	+18.2
MAX.		+26.5	+19.2	+246	+273	+27.0	+27.9	+30.1	+44.3
MIN.		+0.5	+1.7	+99	+99	+8.8	+13.3	+12.9	+10.5
AVG.	0.00	+15.2	+11.5	+192	+200	+18.5	+20.2	+21.3	+23.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (239) 27 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+11.9	+8.1	+186	+213	+19.4	+18.5	+17.7	+16.7
100	2.78	+16.6	+9.7	+176	+202	+20.5	+18.1	+17.7	+15.9
200	2.78	+14.6	+10.9	+197	+210	+19.0	+18.4	+17.9	+15.3
300	2.78	+14.8	+12.2	+193	+206	+18.5	+17.5	+17.0	+14.8
400	2.78	+16.6	+12.5	+201	+202	+18.4	+17.9	+17.5	+14.6
500	2.78	+15.6	+12.4	+193	+208	+18.4	+17.7	+17.2	+14.4
600	2.78	+13.5	+10.7	+205	+217	+18.4	+16.5	+15.8	+13.8
700	2.78	+18.5	+12.9	+194	+206	+18.5	+16.6	+16.1	+13.6
800	2.78	+8.4	+7.3	+200	+203	+18.5	+18.3	+18.3	+15.4
900	2.78	+10.9	+10.5	+293	+277	+15.3	+18.1	+20.1	+18.2
1000	2.78	+8.6	+5.7	+289	+253	+24.1	+25.0	+26.2	+29.8
1100	2.78	+3.5	+3.1	+336	+323	+24.6	+24.9	+25.6	+31.9
1200	2.78	+2.9	+3.3	+96	+89	+26.6	+27.0	+27.8	+33.5
1300	2.78	+8.0	+6.0	+237	+266	+26.3	+26.8	+28.0	+34.1
1400	2.78	+16.6	+12.3	+208	+226	+25.7	+26.5	+27.8	+35.3
1500	2.78	+13.5	+12.4	+259	+240	+10.7	+22.1	+27.6	+37.9
1600	2.78	+14.2	+14.1	+241	+225	+14.0	+21.7	+29.4	+37.5
1700	2.78	+22.1	+13.0	+196	+184	+6.0	+25.3	+28.3	+33.4
1800	2.78	+9.0	+10.0	+268	+262	+27.0	+27.9	+28.7	+33.9
1900	2.78	+12.8	+10.9	+215	+207	+25.8	+26.1	+26.4	+26.9
2000	2.78	+12.0	+9.0	+203	+200	+24.3	+23.7	+23.4	+22.1
2100	2.78	+14.8	+12.7	+175	+178	+22.8	+21.3	+20.9	+19.3
2200	2.78	+18.3	+12.0	+178	+182	+20.8	+19.5	+19.5	+16.9
2300	2.78	+23.6	+16.6	+173	+175	+21.1	+20.4	+20.1	+17.1
MAX.		+23.6	+16.6	+336	+323	+27.0	+27.9	+29.4	+37.9
MIN.		+2.9	+3.1	+96	+89	+6.0	+16.5	+15.8	+13.6
AVG.	0.00	+13.4	+10.3	+213	+215	+20.2	+21.5	+22.3	+23.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (240) 28 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+19.6	+17.8	+172	+183	+20.9	+20.2	+20.0	+16.6
100	2.78	+17.8	+11.3	+183	+188	+20.1	+19.4	+19.1	+15.9
200	2.78	+16.8	+13.5	+169	+194	+19.8	+18.9	+18.5	+15.1
300	2.78	+21.0	+15.2	+176	+185	+19.0	+18.1	+17.8	+14.5
400	2.78	+17.5	+12.7	+176	+183	+18.7	+17.5	+17.2	+14.0
500	2.78	+18.3	+11.1	+179	+199	+17.8	+16.9	+16.7	+13.2
600	2.78	+15.9	+11.9	+173	+176	+17.7	+17.0	+16.6	+12.6
700	2.78	+14.5	+10.3	+173	+181	+17.2	+16.2	+15.8	+12.0
800	2.78	+13.3	+12.1	+190	+193	+18.9	+18.9	+18.9	+13.5
900	2.78	+12.8	+11.8	+183	+184	+21.6	+22.2	+22.9	+20.1
1000	2.78	+12.6	+12.7	+165	+180	+21.8	+22.8	+24.4	+29.3
1100	2.78	+17.3	+16.8	+134	+136	+21.4	+25.1	+27.3	+36.7
1200	2.78	+12.1	+9.7	+164	+169	+24.5	+25.9	+27.5	+40.9
1300	2.78	+21.1	+16.7	+137	+149	+24.4	+25.5	+27.2	+44.9
1400	2.78	+9.5	+6.5	+151	+181	+26.1	+26.9	+28.8	+46.9
1500	2.78	+20.2	+18.2	+172	+175	+25.6	+26.4	+27.8	+46.4
1600	2.78	+9.6	+9.8	+150	+173	+26.1	+27.1	+28.3	+44.0
1700	2.78	+18.6	+19.7	+161	+157	+25.9	+26.5	+27.7	+39.9
1800	2.78	+18.3	+19.8	+192	+201	+9.9	+20.7	+26.5	+28.5
1900	2.78	+13.0	+9.1	+187	+203	+24.9	+25.2	+25.4	+26.5
2000	2.78	+10.6	+9.2	+174	+178	+23.0	+22.6	+22.3	+21.8
2100	2.78	+12.8	+6.5	+182	+192	+8.2	+15.4	+18.5	+16.2
2200	2.78	+15.4	+9.3	+182	+206	+19.4	+17.6	+16.9	+16.0
2300	2.78	+19.7	+10.9	+177	+185	+20.5	+18.1	+17.8	+15.7
MAX.		+21.1	+19.8	+192	+206	+26.1	+27.1	+28.8	+46.9
MIN.		+9.5	+6.5	+99	+99	+8.2	+15.4	+15.8	+12.0
AVG.	0.00	+15.8	+12.6	+171	+181	+20.6	+21.3	+22.1	+25.1
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (241) 29 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+16.9	+14.6	+182	+176	+21.8	+19.0	+18.5	+15.3
100	2.78	+16.2	+9.3	+162	+172	+20.5	+17.6	+16.6	+13.9
200	2.78	+14.5	+7.4	+160	+185	+18.7	+15.7	+15.1	+13.2
300	2.78	+15.2	+7.6	+148	+154	+18.6	+17.7	+17.4	+13.9
400	2.78	+12.1	+9.4	+150	+161	+18.5	+17.2	+16.5	+13.4
500	2.78	+10.7	+6.2	+142	+158	+18.3	+17.7	+17.1	+14.3
600	2.78	+12.0	+8.3	+167	+178	+17.9	+16.9	+16.4	+14.0
700	2.78	+15.3	+9.3	+162	+165	+18.0	+17.8	+17.6	+14.6
800	2.78	+11.0	+8.9	+165	+167	+18.0	+17.9	+17.9	+15.7
900	2.78	+9.3	+7.3	+150	+142	+18.2	+18.4	+18.6	+17.1
1000	2.78	+15.3	+12.5	+160	+201	+18.7	+19.0	+19.9	+19.2
1100	2.78	+18.1	+19.9	+173	+175	+19.2	+19.6	+20.1	+21.9
1200	2.78	+18.4	+13.2	+172	+176	+20.3	+21.0	+22.0	+26.3
1300	2.78	+24.8	+18.0	+146	+173	+21.3	+21.9	+23.7	+38.2
1400	2.78	+21.8	+22.1	+147	+162	+14.8	+19.8	+22.9	+41.2
1500	2.78	+24.7	+15.0	+133	+127	+18.1	+21.3	+23.2	+41.2
1600	2.78	+26.2	+19.0	+142	+124	+20.5	+21.9	+23.9	+40.2
1700	2.78	+14.3	+13.4	+155	+157	+12.4	+20.6	+23.4	+34.5
1800	2.78	+21.1	+19.9	+162	+154	+18.4	+19.8	+22.3	+29.3
1900	2.78	+19.5	+19.8	+161	+153	+20.2	+20.6	+20.9	+24.0
2000	2.78	+15.7	+16.7	+142	+142	+18.4	+18.5	+18.4	+19.7
2100	2.78	+19.4	+19.0	+150	+155	+17.9	+17.8	+17.7	+17.6
2200	2.78	+12.4	+12.4	+139	+145	+17.5	+17.4	+17.3	+16.4
2300	2.78	+17.7	+15.7	+158	+166	+18.1	+17.6	+17.3	+15.6
MAX.		+26.2	+22.1	+182	+201	+21.8	+21.9	+23.9	+41.2
MIN.		+9.3	+6.2	+99	+99	+12.4	+15.7	+15.1	+13.2
AVG.	0.00	+16.8	+13.5	+155	+161	+18.5	+18.9	+19.4	+22.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (242) 30 AUG. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+19.2	+15.3	+151	+148	+18.4	+18.0	+17.6	+15.2
100	2.78	+16.9	+12.7	+174	+189	+17.3	+16.5	+16.1	+14.5
200	2.78	+13.9	+11.5	+177	+201	+15.9	+15.2	+14.9	+13.5
300	2.78	+20.4	+14.9	+188	+195	+17.6	+16.2	+15.6	+13.2
400	2.78	+16.3	+14.2	+198	+208	+16.2	+15.2	+14.8	+12.4
500	2.78	+13.4	+10.4	+201	+198	+15.0	+14.5	+14.0	+11.6
600	2.78	+15.1	+10.5	+187	+200	+14.5	+12.2	+11.8	+10.4
700	2.78	+16.2	+11.4	+181	+205	+13.2	+11.3	+10.9	+9.8
800	2.78	+14.7	+10.0	+192	+188	+15.3	+11.5	+15.6	+10.1
900	2.78	+11.9	+10.7	+195	+172	+18.5	+19.0	+19.7	+18.4
1000	2.78	+14.5	+9.6	+204	+189	+10.6	+18.0	+21.2	+26.3
1100	2.78	+11.7	+11.0	+186	+186	+20.9	+21.5	+22.8	+33.9
1200	2.78	+14.6	+12.9	+214	+189	+21.4	+22.2	+23.9	+39.0
1300	2.78	+17.1	+16.8	+221	+219	+23.3	+24.0	+25.7	+41.6
1400	2.78	+9.4	+9.3	+218	+239	+23.4	+24.4	+25.9	+44.1
1500	2.78	+13.0	+8.0	+217	+221	+23.3	+24.8	+27.3	+44.4
1600	2.78	+10.8	+9.6	+236	+243	+24.7	+25.8	+27.1	+42.3
1700	2.78	+19.2	+21.0	+179	+187	+22.5	+24.6	+26.3	+36.9
1800	2.78	+12.1	+13.4	+218	+231	+23.9	+24.4	+25.2	+31.6
1900	2.78	+14.4	+7.9	+214	+223	+23.1	+23.6	+23.9	+24.8
2000	2.78	+10.3	+6.7	+223	+209	+0.0	+14.8	+20.6	+16.9
2100	2.78	+10.8	+7.3	+179	+208	+19.5	+17.9	+17.2	+17.1
2200	2.78	+6.2	+6.4	+284	+265	+19.2	+17.4	+16.4	+15.8
2300	2.78	+6.9	+4.4	+323	+315	+18.9	+18.3	+17.8	+15.1
MAX.		+20.4	+21.0	+323	+315	+24.7	+25.8	+27.3	+44.4
MIN.		+6.2	+4.4	+99	+99	+0.0	+11.3	+10.9	+9.8
AVG.	0.00	+13.7	+11.1	+207	+210	+18.2	+18.8	+19.7	+23.3
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (243) 31 AUG. '79

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 213		DAY 214		TIME	DAY 215		DAY 216	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.4	2.0	3.0	4.3	0	1.1	2.5	2.6	3.5
3.5	4.9	2.8	3.6	100	1.5	4.7	4.9	5.6
4.6	5.4	3.0	4.6	200	3.8	5.8	6.7	7.5
4.8	5.4	2.0	3.5	300	6.1	7.4	6.4	7.6
3.5	4.5	2.0	2.4	400	4.5	6.3	7.0	7.8
3.7	5.1	3.5	4.2	500	6.4	7.3	1.9	2.3
5.1	5.9	3.3	3.8	600	4.2	5.2	2.4	4.0
2.6	3.1	4.4	5.1	700	2.8	3.5	0.2	0.7
0.2	0.0	0.1	0.3	800	-0.3	-0.3	-0.1	-0.4
-0.7	-9.1	-0.5	-1.1	900	-0.7	-1.3	-0.5	-1.3
-1.2	-6.8	-1.0	-1.7	1000	-1.6	-5.4	-0.9	-2.2
-0.9	-1.6	-1.1	-1.5	1100	-0.8	-1.6	-0.3	-2.2
-0.6	-1.4	-0.7	-1.9	1200	-0.9	-1.5	-1.2	-3.2
-0.5	-7.4	-0.8	-3.0	1300	-0.6	-1.7	-0.7	-2.5
0.3	-4.8	0.0	-0.6	1400	-0.5	-1.4	-0.9	-3.1
2.4	-5.2	-0.6	-4.2	1500	0.8	-1.9	-2.7	-3.2
1.0	-2.1	-1.4	-2.4	1600	-0.7	-2.7	-0.9	-2.1
1.2	-3.3	-1.2	-1.9	1700	4.8	-2.0	-0.4	-1.2
-0.4	-1.0	-0.5	-1.1	1800	-0.7	-1.2	-0.9	-2.1
-0.4	-0.6	-0.4	-0.9	1900	-0.8	-1.2	-0.5	-1.1
1.9	-1.2	-0.1	0.1	2000	-0.1	-0.1	-0.1	0.1
0.0	1.4	2.9	2.3	2100	1.1	1.6	2.0	-0.6
1.7	4.0	0.8	2.0	2200	0.9	1.5	4.1	5.3
2.2	4.7	1.2	3.8	2300	1.1	2.2	3.3	4.5

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 217		DAY 218		TIME	DAY 219		DAY 220	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
4.2	5.0	1.9	2.4	0	0.1	0.4	3.0	4.0
5.3	5.8	0.8	1.3	100	-0.1	0.0	2.1	2.9
5.2	5.8	1.1	1.6	200	0.6	1.0	2.9	3.9
2.9	3.7	0.8	1.3	300	0.5	0.7	2.0	3.4
3.0	3.6	0.5	0.8	400	0.6	1.0	1.3	3.3
1.1	2.0	0.6	0.8	500	0.4	0.7	2.5	3.2
0.7	1.2	1.0	1.7	600	1.4	2.2	2.3	4.1
0.3	0.6	1.8	2.4	700	1.5	2.5	1.2	1.6
-0.4	-0.5	0.1	0.1	800	-0.3	-0.5	-0.4	-0.6
-0.5	-1.0	-0.8	-1.6	900	-0.7	-1.2	-1.0	-6.2
-0.8	-2.2	-0.5	-1.6	1000	1.1	-7.3	-1.8	-7.0
-2.0	%-11.1	-0.6	-1.2	1100	-1.1	-9.0	2.2	-6.0
-1.9	-3.8	2.2	-4.7	1200	-0.9	-2.1	-0.7	-0.7
-1.4	-3.2	-0.4	-1.8	1300	-2.5	%-11.4	-0.6	-1.3
-1.2	-1.9	-0.5	-2.1	1400	-6.1	-6.4	-1.8	-5.9
-0.5	-0.9	-0.7	-6.2	1500	-0.8	-1.4	0.9	-3.3
-0.2	-1.1	-1.9	-4.0	1600	-0.6	-1.1	-0.9	-1.6
-0.8	-1.0	-1.6	-2.6	1700	-0.5	-2.0	-0.9	-1.5
-0.8	-1.4	-0.4	-1.1	1800	-0.3	-0.5	-0.5	-0.8
-0.1	-0.2	-0.3	-0.8	1900	-0.1	0.0	-0.6	-4.9
0.6	1.1	-0.3	-0.4	2000	0.0	1.0	0.2	0.3
6.3	0.9	-0.1	-0.1	2100	0.4	0.6	2.1	-4.7
1.7	2.7	1.0	-8.0	2200	2.3	1.9	0.2	0.5
2.6	3.2	-0.1	0.1	2300	1.4	1.9	0.1	0.4

[DELTAS ARE 100'-33' AND 100'-10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 221		DAY 222		TIME	DAY 223		DAY 224	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.5	0.7	-0.2	-0.1	0	2.2	3.1	1.1	1.5
0.7	1.3	-0.1	0.0	100	2.0	3.2	1.1	1.5
0.2	0.6	0.8	1.5	200	3.0	4.1	1.5	1.9
0.5	0.9	1.6	3.8	300	2.4	3.1	1.4	2.1
1.1	1.4	0.9	1.2	400	4.1	4.8	1.1	1.6
1.1	1.5	0.9	2.3	500	2.6	3.4	0.5	0.7
2.4	2.9	1.6	2.8	600	3.0	4.7	0.3	0.6
0.9	1.1	0.8	1.2	700	3.2	4.1	0.0	0.2
-0.4	-0.8	-1.7	-2.9	800	-0.2	-0.3	-0.4	-0.5
-1.0	-1.8	-2.2	-4.4	900	-0.7	-1.4	-0.5	-0.9
-0.8	-1.9	-2.3	-6.0	1000	-0.5	-1.6	-0.5	-1.0
-2.2	-9.6	-1.0	-2.0	1100	0.2	-1.0	-0.6	-1.5
-2.1	-7.7	-1.0	-2.3	1200	-3.0	-4.7	-0.8	-1.6
-0.7	-2.3	-0.8	-2.4	1300	-1.3	-3.0	-0.7	-2.0
-0.7	-1.8	-0.8	8.9	1400	-0.6	-1.8	-0.9	-2.4
-0.5	-1.3	-0.6	-2.1	1500	-0.5	-2.0	-1.3	-3.4
-0.5	-2.1	-1.3	-2.5	1600	-0.9	-1.8	-0.6	-1.7
-0.5	-1.0	-0.6	-1.7	1700	-0.7	-1.5	-0.6	-1.5
-0.9	-1.7	0.3	13.7	1800	-0.3	-0.6	-0.3	-0.6
-0.3	-0.5	-0.4	-0.9	1900	-0.2	-0.6	-0.3	-0.5
-0.3	-0.2	-0.1	0.1	2000	-0.4	0.2	-0.1	-0.1
-0.2	-0.2	0.9	2.5	2100	-0.3	2.1	0.7	-1.2
-0.3	-0.2	1.6	3.3	2200	3.6	4.7	0.2	0.5
-0.2	-0.1	2.5	3.7	2300	2.4	3.1	0.1	0.4

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 229		DAY 230		TIME	DAY 231		DAY 232	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.0	0.0	1.5	2.0	0	0.0	0.1	0.3	0.5
0.0	0.0	2.0	2.4	100	0.0	0.0	0.4	0.5
0.0	0.0	1.0	1.4	200	0.0	0.0	0.3	0.4
0.0	0.0	0.1	0.1	300	0.3	0.5	0.4	0.4
0.0	0.0	0.6	1.1	400	0.1	0.4	0.2	0.2
0.0	0.0	1.6	2.4	500	0.3	0.3	0.0	0.0
0.0	0.0	0.4	0.5	600	-0.1	-0.3	0.2	0.4
0.0	0.0	2.0	3.1	700	0.3	0.5	0.3	0.3
0.0	0.0	-0.5	-0.8	800	-0.3	-0.5	-0.2	-0.4
0.0	0.0	0.1	-0.5	900	-0.3	-0.8	-2.1	-3.6
0.0	0.0	-0.6	-1.9	1000	-0.5	-1.2	-0.6	-1.4
0.0	0.0	-0.1	-1.0	1100	-0.3	-0.8	-0.3	-0.7
0.0	0.0	-0.6	-1.0	1200	0.0	-0.3	0.3	0.7
-0.5	-1.4	-0.5	-1.2	1300	-0.2	-0.4	0.0	-0.3
-0.4	-0.9	-1.0	-2.7	1400	-0.3	-0.9	-0.2	-0.6
-0.9	-2.0	-0.7	-2.5	1500	-0.9	-2.3	-1.7	-3.6
-1.2	-2.9	-1.0	-2.5	1600	-0.5	-1.5	*-15.9	*-26
-7.8	*-12.8	-1.3	-3.1	1700	-1.0	-2.1	-0.5	-0.8
-0.3	-0.8	-0.8	-1.8	1800	-0.2	-0.6	-0.3	-0.6
-0.1	-0.2	-0.3	-0.7	1900	0.2	0.2	-0.1	-0.3
-1.8	-3.0	-0.3	-0.5	2000	-0.1	-0.1	0.1	0.1
0.5	0.8	0.6	0.7	2100	0.3	0.2	0.1	-1.2
1.1	2.8	0.0	0.0	2200	0.4	0.8	1.9	2.6
1.3	1.8	0.1	0.2	2300	0.6	0.7	2.3	3.0

[DELTAS ARE 100'-33' AND 100'-10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

	DAY 233		DAY 234		TIME	DAY 235		DAY 236	
	[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
	1.6	1.9	2.9	3.4	0	1.0	1.6	1.5	1.7
	2.1	2.5	2.5	3.3	100	2.7	3.3	1.0	1.4
	2.0	2.3	4.0	4.6	200	2.8	3.0	1.1	1.5
	2.0	2.7	1.8	2.1	300	1.5	1.8	2.6	3.6
	2.1	2.5	3.2	3.9	400	2.1	2.5	2.7	3.0
	4.4	5.0	4.1	4.5	500	3.2	3.5	1.4	2.0
	2.9	3.4	3.3	3.8	600	4.4	4.9	4.3	5.5
	3.1	3.7	2.8	3.3	700	5.0	5.9	3.9	4.3
	-0.1	-0.3	1.0	0.9	800	-0.2	-0.7	1.1	1.0
	-0.4	-1.0	0.0	-0.1	900	-1.2	-1.5	-0.4	-1.1
	-0.5	-1.2	-1.0	-1.7	1000	0.4	-0.5	%-12.7	%-21
.0									
	-0.7	-1.2	%-10.7	%-16.2	1100	-1.0	-2.9	-2.1	-3
.7									
	%-10.8	%-17.1	-0.6	-2.0	1200	-0.5	-1.5	-0.8	-2
.0									
	-0.1	-1.3	-1.1	-2.4	1300	-0.4	-1.5	-0.3	-1.5
	-1.1	-3.1	-0.9	-2.2	1400	-2.7	-5.2	%-14.8	%-21
.2									
	%-11.5	%-17.1	-1.1	-3.3	1500	-0.6	-2.0	-0.5	-1
.4									
	-0.5	-1.1	-3.6	-6.4	1600	-0.6	-2.5	-1.1	-2.0
	-0.4	-1.0	-0.2	-0.8	1700	-0.5	-1.0	-0.7	-1.6
	-0.5	-1.3	-4.4	-7.1	1800	-0.5	-1.3	-0.4	-1.0
	-0.9	-1.6	-0.3	-0.6	1900	-0.4	-0.9	0.0	-0.2
	0.7	1.7	-6.2	-7.9	2000	0.5	1.0	0.9	1.2
	2.0	3.8	0.3	0.5	2100	2.5	3.5	%-19.1	%-29
.7									
	2.2	3.1	0.7	1.2	2200	0.9	1.3	0.8	2.3
	2.3	1.9	0.0	-0.1	2300	0.9	1.3	2.4	4.0

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

	DAY 237		DAY 238		TIME	DAY 239		DAY 240	
	[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
	3.7	4.1	3.4	3.6	0	1.7	2.0	0.9	1.7
	3.9	4.2	2.7	3.0	100	2.7	3.3	2.4	2.8
	2.7	3.6	2.1	2.4	200	1.1	1.6	0.6	1.1
	1.9	3.1	3.2	3.8	300	1.4	1.9	1.0	1.5
	1.2	3.9	3.6	4.3	400	1.8	2.3	0.5	0.9
	2.0	2.6	3.4	4.8	500	0.9	1.2	0.7	1.2
	2.7	3.1	3.5	4.4	600	0.5	0.9	1.9	2.6
	1.5	2.0	3.4	4.5	700	0.4	0.7	1.9	2.4
	-0.2	-0.5	0.0	-1.0	800	-0.2	-0.3	0.2	0.2
	-0.1	-1.1	-0.5	-1.3	900	-0.6	-1.1	-2.8	-4.8
-2.1	%-15.6	%-23.5	-1.1	-1.9	1000	-8.8	%-12.6	-0.9	
-1.0	%-14.0	%-21.5	-1.2	-2.4	1100	-7.6	%-11.5	-0.3	
.2	-0.9	-2.4	-0.7	-3.3	1200	%-10.8	%-16.3	-0.4	-1
.9	-6.5	-9.2	-0.8	-2.3	1300	-0.9	-3.1	-0.5	-1.7
	-0.6	-1.8	-2.2	-4.0	1400	-7.8	%-14.9	-0.8	-2.1
	-1.0	-2.0	-0.6	-1.7	1500	-1.3	-2.6	%-11.4	%-16
.3	-0.1	-1.6	-0.9	-2.7	1600	-1.0	-2.2	-7.7	%-15.4
.7	-0.6	-1.1	-0.6	-1.4	1700	-4.8	-5.6	%-19.3	%-22
	-0.3	-0.7	-0.3	-0.7	1800	%-12.1	%-17.0	-0.9	-1
	-0.1	-0.1	-0.3	-0.5	1900	-0.3	-0.6	-0.3	-0.6
	0.0	-0.1	0.3	-0.1	2000	0.5	1.2	0.6	0.9
	0.7	1.2	0.7	1.0	2100	2.1	2.8	1.5	1.9
	1.8	3.3	0.8	1.2	2200	1.0	1.4	1.3	1.3
	2.1	2.5	2.0	2.4	2300	0.5	0.8	0.7	1.0

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 241		DAY 242		TIME	DAY 243	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]
0.7	0.9	2.8	3.3	0	0.4	0.8
0.7	1.0	2.9	3.9	100	0.8	1.2
0.9	1.3	3.0	3.6	200	0.7	1.0
0.9	1.2	0.9	1.2	300	1.4	2.0
1.2	1.5	1.3	2.0	400	1.0	1.4
0.9	1.1	0.6	1.2	500	0.5	1.0
0.7	1.1	1.0	1.5	600	2.3	2.7
1.0	1.4	0.2	0.4	700	1.9	2.3
0.0	0.0	0.1	0.1	800	3.8	-0.3
-0.6	-1.3	-0.2	-0.4	900	-0.5	-1.2
-1.0	-2.6	-0.3	-1.2	1000	-7.4	%-10.6
-3.7	-5.9	-0.4	-0.9	1100	-0.6	-1.9
-1.4	-3.0	-0.7	-1.7	1200	-0.8	-2.5
-1.1	-2.8	-0.6	-2.4	1300	-0.7	-2.4
-0.8	-2.7	-5.0	-8.1	1400	-1.0	-2.5
-0.8	-2.2	-3.2	-5.1	1500	-1.5	-4.0
-1.0	-2.2	-1.4	-3.4	1600	-1.1	-2.4
-0.6	-1.8	-8.2	%-11.0	1700	-2.1	-3.8
%-10.8	%-16.6	-1.4	-3.9	1800	-0.5	-1.3
-0.3	-0.5	-0.4	-0.7	1900	-0.5	-0.8
0.4	0.7	-0.1	0.0	2000	%-14.8	%-20.6
-7.2	%-10.3	0.1	0.2	2100	1.6	2.3
1.8	2.5	0.1	0.2	2200	1.8	2.0
2.4	2.7	0.5	0.8	2300	0.6	1.1

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station #1

1 SEPTEMBER 1979 through 30 SEPTEMBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

James B. Mershon, Vice Pres.

PRECIPITATION RECORDINGS

1 SEPTEMBER 1979 through 30 SEPTEMBER 1979

DAY	246	(3 SEPT.)	-	.21"	1000 hrs.
DAY	252	(9 SEPT.)	-	.11"	1600
DAY	253	(10 SEPT.)	-	2.31"	0100, 1900 - 2300
DAY	254	(11 SEPT.)	-	.09"	0000
DAY	269	(26 SEPT.)	-	1.69"	0300 - 0800, 1300 - 1800

4.41" TOTAL FOR PERIOD

PERFORMANCE EVALUATION

System functioning very well with virtually 100% data retrieval.

Occasional minor errors that are probably related to radio interference.

GEOKINETICS MET STATION 1 WIND ROSE VALUES

100' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
1	7	4	3	(15)	N	1	11	12	1	(25)	
0	18	18	9	(45)	N N E	4	16	12	7	(39)	
2	11	16	10	(39)	N E	3	13	9	5	(30)	
4	5	6	1	(16)	E N E	4	6	4	0	(14)	
1	4	2	1	(8)	E	5	3	1	2	(11)	
7	5	4	0	(16)	E S E	2	2	2	0	(6)	
5	10	4	4	(23)	S E	0	3	3	0	(6)	
1	14	5	25	(45)	S S E	1	11	10	8	(30)	
1	9	48	105	(163)	S	9	19	37	31	(96)	
4	13	62	75	(154)	S S W	6	54	109	37	(206)	
3	17	29	20	(69)	S W	6	56	49	13	(124)	
3	6	12	6	(27)	W S W	5	9	10	5	(29)	
2	8	6	7	(23)	W	5	14	10	4	(33)	
3	9	8	3	(23)	W N W	2	14	5	1	(22)	
2	13	17	5	(37)	N W	2	20	8	1	(31)	
3	11	9	1	(24)	N N W	1	13	8	3	(25)	

(42) (160) (250) (275)

(56) (264) (289) (118)

100' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
0.1	1.0	0.6	0.4	(2.1)	N	0.1	1.5	1.7	0.1	(3.4)	
0.0	2.5	2.5	1.2	(6.2)	N N E	0.6	2.2	1.7	1.0	(5.4)	
0.3	1.5	2.2	1.4	(5.4)	N E	0.4	1.8	1.2	0.7	(4.1)	
0.6	0.7	0.8	0.1	(2.2)	E N E	0.6	0.8	0.6	0.0	(1.9)	
0.1	0.6	0.3	0.1	(1.1)	E	0.7	0.4	0.1	0.3	(1.5)	
1.0	0.7	0.6	0.0	(2.2)	E S E	0.3	0.3	0.3	0.0	(0.8)	
0.7	1.4	0.6	0.6	(3.2)	S E	0.0	0.4	0.4	0.0	(0.8)	
0.1	1.9	0.7	3.4	(6.2)	S S E	0.1	1.5	1.4	1.1	(4.1)	
0.1	1.2	6.6	14.4	(22.4)	S	1.2	2.6	5.1	4.3	(13.2)	
0.6	1.8	8.5	10.3	(21.2)	S S W	0.8	7.4	15.0	5.1	(28.3)	
0.4	2.3	4.0	2.8	(9.5)	S W	0.8	7.7	6.7	1.8	(17.1)	
0.4	0.8	1.7	0.8	(3.7)	W S W	0.7	1.2	1.4	0.7	(4.0)	
0.3	1.1	0.8	1.0	(3.2)	W	0.7	1.9	1.4	0.6	(4.5)	
0.4	1.2	1.1	0.4	(3.2)	W N W	0.3	1.9	0.7	0.1	(3.0)	
0.3	1.8	2.3	0.7	(5.1)	N W	0.3	2.8	1.1	0.1	(4.3)	
0.4	1.5	1.2	0.1	(3.3)	N N W	0.1	1.8	1.1	0.4	(3.4)	

(5.8) (22.0) (34.4) (37.8)

(7.7) (36.3) (39.8) (16.2)

FROM 244 0 THRU 273 2300 FOR 727 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+4.0	+0.0	+31	+197	+17.8	+15.7	+13.6	+13.3
100	2.78	+2.9	+2.6	+111	+155	+16.5	+15.6	+13.4	+12.3
200	2.78	+3.0	+3.6	+130	+190	+16.8	+14.5	+13.4	+11.5
300	2.78	+6.1	+3.9	+136	+191	+16.7	+14.0	+12.8	+10.9
400	2.78	+5.9	+2.0	+111	+174	+16.8	+13.7	+12.5	+10.1
500	2.78	+2.8	+4.5	+132	+201	+16.9	+12.4	+10.7	+9.7
600	2.78	+6.4	+5.5	+160	+223	+14.6	+10.5	+9.7	+9.0
700	2.78	+1.7	+4.3	+148	+219	+14.3	+10.1	+9.5	+8.7
800	2.78	+1.3	+2.9	+206	+234	+15.4	+14.1	+14.2	+10.4
900	2.78	+1.6	+0.8	+54	+28	+18.4	+18.9	+19.5	+17.3
1000	2.78	+6.7	+7.3	+26	+14	+4.7	+14.4	+20.9	+25.2
1100	2.78	+6.0	+5.1	+56	+54	+10.2	+18.6	+22.9	+34.3
1200	2.78	+9.6	+9.1	+44	+41	+22.6	+23.3	+24.6	+41.8
1300	2.78	+3.8	+3.0	+6	+286	+25.4	+25.6	+26.8	+45.5
1400	2.78	+3.7	+1.9	+229	+260	+26.8	+28.1	+30.4	+46.4
1500	2.78	+15.0	+10.7	+261	+282	+27.0	+28.0	+28.8	+46.8
1600	2.78	+14.7	+9.1	+145	+165	+11.5	+26.2	+30.4	+42.9
1700	2.78	+11.8	+10.6	+231	+231	+26.4	+26.9	+28.7	+41.0
1800	2.78	+20.2	+19.0	+213	+211	+25.3	+26.1	+27.2	+33.1
1900	2.78	+9.5	+9.1	+175	+190	+25.2	+25.4	+25.7	+25.9
2000	2.78	+11.1	+6.4	+195	+207	+23.4	+22.6	+22.2	+21.2
2100	2.78	+12.6	+8.8	+191	+216	+21.8	+19.8	+18.7	+17.8
2200	2.78	+13.8	+10.3	+192	+211	+20.3	+18.2	+16.9	+15.5
2300	2.78	+19.5	+12.7	+179	+177	+19.1	+17.7	+17.4	+14.9
MAX.		+20.2	+19.0	+261	+286	+27.0	+28.1	+30.4	+46.8
MIN.		+1.3	+0.0	+6	+14	+4.7	+10.1	+9.5	+8.7
AVG.	0.00	+8.1	+6.4	+140	+182	+18.9	+19.2	+19.6	+23.6
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (244) 1 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+16.4	+14.2	+196	+213	+18.0	+16.0	+15.4	+13.8
100	2.78	+18.5	+9.0	+179	+204	+19.1	+15.6	+14.6	+12.9
200	2.78	+15.6	+11.0	+184	+205	+17.6	+16.2	+15.6	+12.8
300	2.78	+11.2	+9.2	+196	+204	+16.5	+16.0	+15.2	+12.5
400	2.78	+14.8	+10.5	+196	+208	+17.5	+15.4	+15.0	+12.2
500	2.78	+15.3	+11.1	+181	+200	+17.7	+14.7	+14.1	+11.6
600	2.78	+14.3	+9.5	+175	+200	+16.4	+14.3	+13.7	+11.2
700	2.78	+14.9	+10.5	+185	+202	+15.9	+13.9	+13.3	+11.0
800	2.78	+11.7	+10.3	+187	+208	+17.8	+17.0	+17.0	+12.6
900	2.78	+12.6	+10.7	+197	+197	+21.0	+21.4	+22.0	+20.2
1000	2.78	+10.1	+11.0	+208	+226	+22.9	+23.3	+24.6	+29.4
1100	2.78	+10.3	+7.8	+189	+238	+24.1	+24.9	+26.6	+35.9
1200	2.78	+13.6	+13.5	+214	+228	+25.1	+26.1	+27.7	+41.6
1300	2.78	+13.4	+15.0	+178	+161	+25.3	+26.2	+28.0	+44.9
1400	2.78	+11.6	+8.2	+242	+249	+25.6	+27.0	+29.0	+45.2
1500	2.78	+14.8	+13.5	+216	+234	+25.5	+26.2	+27.5	+44.5
1600	2.78	+21.3	+21.6	+220	+223	+25.0	+25.6	+27.0	+42.4
1700	2.78	+13.8	+8.9	+199	+199	+25.4	+26.0	+27.3	+38.6
1800	2.78	+8.8	+9.6	+212	+220	+25.3	+25.8	+26.6	+33.0
1900	2.78	+8.2	+7.3	+222	+226	+24.5	+24.9	+25.1	+25.6
2000	2.78	+9.6	+7.5	+229	+232	+23.4	+22.6	+21.1	+21.2
2100	2.78	+9.4	+5.7	+180	+195	+22.3	+19.8	+18.6	+18.1
2200	2.78	+11.6	+4.4	+169	+196	+20.6	+18.4	+17.4	+16.5
2300	2.78	+11.9	+5.6	+169	+200	+20.1	+18.1	+17.2	+15.5
MAX.		+21.3	+21.6	+242	+249	+25.6	+27.0	+29.0	+45.2
MIN.		+8.2	+4.4	+99	+99	+15.9	+13.9	+13.3	+11.0
AVG.	0.00	+13.1	+10.2	+197	+211	+21.4	+20.6	+20.8	+24.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (245) 2 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.78	+16.0	+9.4	+172	+179	+20.2	+18.6	+18.2	+15.2
100	2.78	+18.3	+12.4	+180	+182	+19.2	+17.6	+17.2	+14.8
200	2.78	+14.8	+9.8	+166	+169	+20.6	+18.8	+18.1	+14.5
300	2.78	+12.8	+6.0	+162	+166	+19.5	+18.2	+17.4	+13.3
400	2.78	+11.6	+7.1	+251	+273	+15.7	+13.0	+12.7	+12.0
500	2.78	+15.5	+9.5	+203	+211	+17.5	+14.8	+13.4	+11.4
600	2.78	+12.7	+8.7	+201	+215	+16.8	+13.7	+13.3	+11.3
700	2.78	+11.4	+6.2	+199	+208	+16.6	+15.1	+14.3	+11.1
800	2.78	+10.1	+9.9	+175	+158	+20.0	+20.0	+20.1	+13.5
900	2.78	+14.3	+13.8	+168	+166	+22.6	+23.1	+23.7	+21.2
1000	2.99	+9.0	+6.4	+181	+183	+24.5	+24.9	+25.7	+30.7
1100	2.99	+10.0	+10.5	+188	+199	+25.3	+26.4	+28.0	+37.7
1200	2.99	+15.6	+13.6	+160	+174	+26.1	+27.0	+28.6	+42.7
1300	2.99	+20.3	+16.3	+160	+171	+25.9	+27.2	+29.3	+46.0
1400	2.99	+15.4	+15.7	+201	+202	+13.1	+23.9	+29.7	+45.3
1500	2.99	+22.3	+20.9	+181	+197	+27.5	+28.5	+30.2	+46.7
1600	2.99	+11.6	+10.5	+222	+204	+28.0	+29.1	+30.8	+44.6
1700	2.99	+14.0	+9.0	+191	+174	+27.5	+28.2	+29.6	+41.6
1800	2.99	+16.6	+15.0	+190	+185	+26.8	+27.3	+28.2	+33.8
1900	2.99	+16.0	+8.5	+193	+170	+25.8	+26.0	+26.2	+26.0
2000	2.99	+12.4	+7.4	+170	+175	+23.6	+23.1	+22.6	+21.8
2100	2.99	+12.9	+7.1	+169	+171	+22.4	+21.3	+20.8	+19.2
2200	2.99	+14.6	+9.3	+172	+169	+21.9	+20.8	+20.2	+17.7
2300	2.99	+15.5	+8.1	+163	+200	+20.9	+19.5	+18.8	+16.7
MAX.		+22.3	+20.9	+251	+273	+28.0	+29.1	+30.8	+46.7
MIN.		+9.0	+6.0	+99	+99	+13.1	+13.0	+12.7	+11.1
AVG.	0.21	+14.3	+10.5	+184	+188	+22.0	+21.9	+22.4	+25.4
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (246) 3 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.99	+19.4	+15.3	+187	+193	+21.0	+20.0	+19.7	+15.9
100	2.99	+16.7	+11.5	+214	+221	+20.2	+18.9	+18.3	+15.5
200	2.99	+12.9	+8.5	+202	+205	+19.2	+17.4	+16.3	+14.0
300	2.99	+15.8	+10.7	+192	+201	+18.2	+15.8	+15.0	+12.8
400	2.99	+17.3	+14.2	+193	+207	+17.4	+14.8	+14.3	+11.9
500	2.99	+15.1	+12.4	+184	+201	+16.9	+14.0	+13.4	+11.3
600	2.99	+15.6	+10.2	+184	+217	+17.5	+14.0	+13.4	+10.8
700	2.99	+18.0	+12.5	+181	+206	+17.3	+14.6	+13.7	+10.4
800	2.99	+14.6	+8.4	+188	+194	+17.7	+17.5	+17.4	+12.5
900	2.99	+7.3	+9.3	+205	+205	+21.4	+21.8	+22.6	+20.1
1000	2.99	+14.1	+13.5	+191	+186	+8.6	+20.0	+24.7	+26.9
1100	2.99	+13.1	+10.7	+186	+194	+25.0	+25.9	+27.5	+37.4
1200	2.99	+12.4	+11.1	+137	+139	+19.7	+25.4	+28.2	+43.2
1300	2.99	+11.0	+7.7	+209	+199	+26.5	+27.1	+29.4	+46.7
1400	2.99	+16.6	+12.3	+199	+195	+26.5	+28.0	+30.0	+48.4
1500	2.99	+12.7	+13.7	+252	+232	+27.4	+28.2	+29.7	+47.1
1600	2.99	+14.3	+11.3	+238	+222	+27.3	+28.7	+30.7	+44.4
1700	2.99	+10.0	+8.6	+226	+219	+27.1	+28.1	+29.5	+40.8
1800	2.99	+9.5	+7.6	+230	+233	+26.3	+26.9	+27.8	+34.3
1900	2.99	+9.0	+9.4	+211	+211	+25.3	+25.6	+25.7	+25.6
2000	2.99	+10.9	+7.5	+225	+202	+3.5	+15.0	+22.0	+18.8
2100	2.99	+11.9	+8.2	+195	+203	+22.2	+19.5	+18.7	+18.1
2200	2.99	+14.9	+9.3	+193	+201	+19.5	+16.7	+17.0	+15.6
2300	2.99	+15.1	+11.1	+187	+206	+20.5	+17.6	+17.2	+15.4
MAX.		+19.4	+15.3	+252	+233	+27.4	+28.7	+30.7	+48.4
MIN.		+7.3	+7.5	+99	+99	+3.5	+14.0	+13.4	+10.4
AVG.	0.00	+13.7	+10.6	+200	+204	+20.5	+20.9	+21.8	+24.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (247) 4 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.99	+19.5	+14.8	+200	+209	+18.5	+17.1	+16.8	+14.8
100	2.99	+16.4	+10.7	+191	+209	+22.1	+16.9	+16.4	+14.1
200	2.99	+12.7	+11.4	+185	+206	+17.9	+15.6	+15.1	+13.2
300	2.99	+16.2	+9.7	+185	+200	+21.8	+15.9	+15.3	+12.7
400	2.99	+3.2	+2.1	+329	+268	+17.9	+15.8	+14.8	+11.6
500	2.99	+8.1	+6.1	+231	+265	+17.2	+13.7	+12.3	+10.5
600	2.99	+8.8	+6.4	+186	+205	+19.3	+14.8	+12.8	+9.8
700	2.99	+8.7	+3.7	+188	+239	+17.5	+13.0	+12.5	+9.7
800	2.99	+5.3	+3.6	+222	+238	+17.2	+17.0	+17.0	+11.7
900	2.99	+5.1	+4.0	+200	+183	+9.5	+19.1	+22.8	+18.0
1000	2.99	+6.6	+4.1	+160	+182	+14.8	+24.8	+26.5	+29.8
1100	2.99	+4.0	+3.9	+287	+313	+25.7	+25.5	+26.5	+38.4
1200	2.99	+3.2	+2.2	+272	+263	+29.0	+29.6	+30.8	+44.4
1300	2.99	+6.4	+7.6	+18	+8	+27.1	+27.9	+29.3	+47.9
1400	2.99	+10.2	+13.2	+320	+336	+27.8	+28.1	+29.4	+48.9
1500	2.99	+1.0	+1.8	+228	+22	+31.0	+30.9	+31.7	+48.8
1600	2.99	+8.8	+7.7	+244	+258	+29.7	+30.6	+31.2	+47.4
1700	2.99	+7.0	+6.9	+124	+109	+28.8	+30.1	+31.4	+42.7
1800	2.99	+11.2	+8.7	+272	+276	+28.3	+28.9	+29.4	+35.7
1900	2.99	+10.6	+8.9	+250	+251	+27.1	+27.3	+27.6	+27.1
2000	2.99	+10.1	+7.1	+199	+209	+25.6	+24.3	+23.1	+22.2
2100	2.99	+11.2	+8.0	+184	+210	+23.2	+21.6	+20.4	+19.1
2200	2.99	+13.0	+8.5	+187	+203	+23.8	+19.6	+18.7	+17.2
2300	2.99	+14.2	+10.7	+192	+202	+22.5	+18.0	+17.4	+15.8
MAX.		+19.5	+14.8	+329	+336	+31.0	+30.9	+31.7	+48.9
MIN.		+1.0	+1.8	+18	+8	+9.5	+13.0	+12.3	+9.7
AVG.	0.00	+9.2	+7.2	+211	+211	+22.6	+21.9	+22.1	+25.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (248) 5 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.99	+16.2	+12.4	+192	+211	+20.7	+17.5	+17.0	+15.0
100	2.99	+5.9	+5.3	+268	+317	+18.2	+16.5	+16.0	+14.0
200	2.99	+12.6	+6.8	+205	+197	+17.2	+14.8	+14.1	+13.0
300	2.99	+11.4	+6.3	+184	+199	+15.9	+13.3	+12.9	+12.0
400	2.99	+11.5	+5.8	+180	+201	+17.2	+13.8	+12.9	+11.4
500	2.99	+10.5	+4.8	+204	+236	+17.4	+13.4	+12.9	+10.6
600	2.99	+9.1	+5.1	+198	+218	+19.0	+13.5	+13.0	+10.2
700	2.99	+8.4	+6.9	+209	+220	+18.4	+13.7	+12.7	+9.7
800	2.99	+6.7	+2.1	+215	+231	+17.5	+17.4	+17.4	+11.8
900	2.99	+3.6	+5.0	+312	+312	+20.2	+20.6	+21.2	+19.8
1000	2.99	+5.4	+4.2	+332	+342	+21.2	+21.3	+22.1	+28.9
1100	2.99	+4.7	+3.3	+331	+353	+22.7	+23.2	+24.2	+36.5
1200	2.99	+2.9	+7.3	+339	+263	+27.6	+28.2	+29.4	+43.7
1300	2.99	+8.7	+7.9	+318	+321	+26.7	+27.7	+29.0	+46.7
1400	2.99	+10.7	+7.9	+347	+324	+8.5	+23.0	+29.9	+45.5
1500	2.99	+2.4	+2.5	+282	+279	+18.8	+27.7	+32.5	+44.5
1600	2.99	+3.3	+3.5	+319	+310	+28.1	+28.5	+29.6	+47.0
1700	2.99	+8.1	+7.2	+318	+334	+29.3	+29.8	+30.6	+41.9
1800	2.99	+3.8	+2.4	+222	+240	+28.9	+29.4	+29.7	+35.6
1900	2.99	+8.1	+5.3	+35	+46	+27.0	+27.1	+27.2	+27.0
2000	2.99	+12.3	+11.7	+170	+165	+26.2	+24.2	+23.3	+22.0
2100	2.99	+16.7	+11.6	+175	+190	+23.8	+21.9	+21.5	+19.6
2200	2.99	+15.1	+11.3	+185	+198	+21.0	+20.0	+19.2	+17.6
2300	2.99	+15.6	+13.0	+195	+207	+22.1	+19.4	+18.8	+16.5
MAX.		+16.7	+13.0	+347	+353	+29.3	+29.8	+32.5	+47.0
MIN.		+2.4	+2.1	+35	+46	+8.5	+13.3	+12.7	+9.7
AVG.	0.00	+8.9	+6.7	+239	+246	+21.4	+21.1	+21.5	+25.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (249) 6 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.99	+13.9	+7.6	+192	+208	+21.6	+17.9	+17.3	+15.2
100	2.99	+15.2	+9.7	+198	+201	+21.3	+17.0	+16.4	+14.4
200	2.99	+14.8	+9.6	+190	+210	+20.6	+17.0	+16.5	+13.7
300	2.99	+16.0	+11.5	+198	+210	+20.8	+16.4	+15.8	+13.3
400	2.99	+10.0	+4.1	+205	+202	+17.1	+15.4	+14.9	+12.4
500	2.99	+12.0	+7.3	+198	+217	+19.9	+14.7	+13.8	+11.6
600	2.99	+12.2	+6.5	+203	+220	+21.0	+14.8	+13.8	+11.1
700	2.99	+10.9	+4.3	+183	+210	+19.9	+15.5	+14.7	+11.2
800	2.99	+7.3	+2.9	+175	+221	+20.6	+19.0	+18.9	+13.2
900	2.99	+5.7	+4.0	+22	+23	+22.7	+23.2	+23.9	+21.4
1000	2.99	+4.8	+5.0	+288	+300	+23.4	+24.1	+25.3	+30.3
1100	2.99	+7.2	+6.2	+306	+322	+24.1	+24.2	+25.6	+37.7
1200	2.99	+7.9	+9.0	+18	+13	+1.5	+20.1	+29.5	+40.4
1300	2.99	+6.3	+6.0	+311	+299	+26.3	+26.6	+27.2	+38.4
1400	2.99	+2.4	+4.4	+62	+90	+29.9	+31.0	+32.0	+44.1
1500	2.99	+13.0	+13.4	+186	+191	+29.2	+30.7	+32.6	+47.8
1600	2.99	+9.2	+7.2	+117	+110	+26.7	+30.7	+33.3	+40.3
1700	2.99	+16.8	+16.0	+210	+209	+28.9	+29.7	+31.3	+40.9
1800	2.99	+10.6	+8.1	+240	+218	+13.4	+25.7	+30.8	+30.6
1900	2.99	+8.9	+6.0	+242	+243	+27.6	+27.8	+28.1	+26.9
2000	2.99	+10.2	+7.6	+234	+203	+9.2	+18.6	+23.4	+20.7
2100	2.99	+12.6	+9.6	+196	+196	+24.7	+22.6	+21.6	+19.7
2200	2.99	+13.3	+10.4	+186	+207	+22.0	+20.4	+19.8	+18.2
2300	2.99	+12.1	+8.1	+177	+196	+21.7	+19.9	+19.4	+17.4
MAX.		+16.8	+16.0	+311	+322	+29.9	+31.0	+33.3	+47.8
MIN.		+2.4	+2.9	+18	+13	+1.5	+14.7	+13.8	+11.1
AVG.	0.00	+10.6	+7.7	+189	+197	+21.4	+21.8	+22.7	+24.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (250) 7 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	'WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.99	+14.4	+10.3	+173	+184	+22.5	+20.4	+19.9	+16.8
100	2.99	+16.5	+10.6	+174	+192	+21.9	+20.3	+20.0	+17.0
200	2.99	+16.7	+11.7	+169	+188	+22.6	+20.5	+20.1	+16.7
300	2.99	+19.3	+11.1	+185	+189	+21.4	+20.1	+19.8	+16.5
400	2.99	+13.8	+8.5	+168	+187	+22.0	+20.1	+19.4	+16.0
500	2.99	+11.7	+7.2	+206	+218	+20.0	+16.8	+16.2	+15.0
600	2.99	+8.1	+2.9	+191	+215	+19.9	+17.0	+16.5	+14.9
700	2.99	+9.6	+4.7	+185	+202	+20.9	+18.3	+17.9	+15.7
800	2.99	+8.9	+7.5	+175	+193	+20.7	+20.0	+19.9	+17.2
900	2.99	+6.8	+5.1	+167	+162	+22.7	+22.6	+22.9	+20.4
1000	2.99	+6.6	+7.0	+225	+202	+25.6	+25.9	+26.7	+28.7
1100	2.99	+6.8	+6.3	+286	+246	+28.2	+29.0	+30.3	+39.2
1200	2.99	+5.7	+6.4	+306	+311	+27.3	+27.8	+29.0	+38.2
1300	2.99	+5.7	+3.6	+293	+270	+11.2	+25.0	+31.0	+38.7
1400	2.99	+4.8	+2.2	+247	+262	+29.2	+29.8	+30.6	+40.5
1500	2.99	+16.7	+12.1	+159	+168	+29.5	+30.3	+31.7	+43.3
1600	2.99	+13.6	+11.5	+206	+217	+30.6	+31.8	+33.5	+44.7
1700	2.99	+13.7	+13.6	+203	+204	+28.1	+29.1	+30.4	+40.9
1800	2.99	+10.8	+9.8	+230	+239	+27.6	+27.9	+28.4	+33.4
1900	2.99	+15.1	+11.9	+219	+235	+26.5	+26.6	+26.7	+27.4
2000	2.99	+12.0	+9.3	+231	+225	+8.9	+20.2	+25.3	+22.2
2100	2.99	+10.5	+7.2	+196	+214	+24.9	+23.8	+23.3	+22.9
2200	2.99	+10.8	+7.3	+182	+191	+23.1	+21.8	+21.4	+20.6
2300	2.99	+14.8	+9.3	+179	+182	+21.6	+20.2	+19.8	+18.9
MAX.		+19.3	+13.6	+306	+311	+30.6	+31.8	+33.5	+44.7
MIN.		+4.8	+2.2	+99	+99	+8.9	+16.8	+16.2	+14.9
AVG.	0.00	+11.4	+8.2	+206	+212	+23.2	+23.6	+24.2	+26.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (251) 8 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	2.99	+11.7	+9.2	+204	+222	+21.7	+20.9	+20.3	+18.5
100	2.99	+12.9	+8.2	+190	+208	+21.4	+19.6	+19.1	+17.7
200	2.99	+6.1	+4.3	+184	+197	+18.7	+17.6	+16.9	+16.1
300	2.99	+12.1	+4.8	+148	+164	+20.1	+17.2	+16.0	+14.5
400	2.99	+6.8	+3.8	+150	+210	+20.4	+18.3	+17.3	+14.1
500	2.99	+12.9	+9.4	+203	+212	+20.6	+17.0	+15.7	+13.5
600	2.99	+14.4	+9.6	+184	+214	+20.1	+17.4	+16.8	+14.5
700	2.99	+11.4	+10.1	+250	+245	+18.7	+18.3	+18.1	+15.7
800	2.99	+3.1	+1.2	+73	+66	+19.2	+19.0	+18.9	+16.9
900	2.99	+9.8	+7.6	+169	+151	+23.9	+24.5	+25.3	+23.1
1000	2.99	+4.7	+4.9	+317	+306	+24.6	+25.0	+25.9	+28.2
1100	2.99	+5.7	+7.3	+238	+237	+25.6	+26.0	+26.7	+30.4
1200	2.99	+5.4	+5.7	+34	+19	+28.5	+29.8	+31.8	+42.9
1300	2.99	+10.9	+8.9	+127	+133	+26.2	+26.9	+28.0	+36.7
1400	2.99	+2.1	+0.8	+346	+30	+27.2	+28.0	+29.0	+38.0
1500	2.99	+14.5	+13.0	+318	+318	+25.9	+26.9	+28.1	+38.2
1600	3.10	+7.0	+8.4	+337	+309	+26.2	+26.5	+26.9	+31.6
1700	3.10	+14.9	+8.3	+311	+313	+23.1	+23.3	+23.4	+25.6
1800	3.10	+6.3	+7.6	+343	+320	+23.5	+23.7	+24.0	+24.9
1900	3.10	+5.5	+6.2	+332	+334	+23.5	+23.4	+23.5	+22.7
2000	3.10	+11.4	+5.4	+338	+331	+20.6	+20.4	+20.6	+19.6
2100	3.10	+5.8	+3.5	+13	+3	+18.6	+18.4	+18.2	+17.1
2200	3.10	+8.1	+3.1	+102	+109	+17.2	+16.8	+16.5	+16.7
2300	3.10	+7.2	+3.8	+125	+142	+15.9	+14.9	+14.4	+14.7
MAX.		+14.9	+13.0	+346	+334	+28.5	+29.8	+31.8	+42.9
MIN.		+2.1	+0.8	+13	+3	+15.9	+14.9	+14.4	+13.5
AVG.	0.11	+8.8	+6.5	+210	+200	+22.1	+21.7	+21.7	+23.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (252) 9 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	3.10	+10.1	+5.0	+132	+147	+16.5	+15.3	+14.9	+14.0
100	3.14	+8.6	+7.8	+199	+191	+18.3	+17.8	+17.3	+14.6
200	3.14	+28.2	+23.5	+173	+181	+17.7	+17.4	+17.3	+15.2
300	3.14	+25.3	+18.6	+173	+199	+18.7	+18.7	+18.6	+15.8
400	3.14	+20.0	+15.0	+179	+195	+18.4	+18.2	+18.2	+16.0
500	3.14	+14.3	+9.0	+156	+161	+17.8	+17.7	+17.5	+15.0
600	3.14	+14.5	+13.0	+165	+180	+17.4	+17.2	+17.1	+13.9
700	3.14	+12.7	+10.9	+172	+183	+17.1	+16.8	+16.6	+13.7
800	3.14	+2.5	+5.0	+325	+328	+17.4	+17.1	+17.3	+15.0
900	3.14	+4.7	+2.7	+177	+171	-3.3	+11.6	+19.6	+15.7
1000	3.14	+14.2	+14.4	+172	+185	+21.8	+22.2	+23.3	+28.2
1100	3.14	+13.6	+9.1	+219	+210	+24.6	+25.7	+27.9	+35.7
1200	3.14	+6.4	+6.9	+168	+205	+26.2	+26.9	+28.5	+34.6
1300	3.14	+9.4	+8.8	+313	+292	+26.0	+26.2	+27.6	+38.2
1400	3.14	+10.4	+10.3	+236	+229	+27.6	+28.5	+30.9	+46.5
1500	3.14	+15.2	+8.5	+276	+259	+8.2	+23.6	+30.7	+41.7
1600	3.14	+19.9	+17.7	+221	+199	+27.3	+28.2	+29.6	+43.0
1700	3.14	+17.5	+16.2	+253	+252	+27.7	+28.3	+29.4	+40.8
1800	3.14	+12.0	+9.9	+293	+297	+25.2	+25.5	+25.8	+29.6
1900	3.25	+14.2	+11.0	+395	+358	-4.7	+16.2	+23.7	+22.1
2000	3.52	+4.1	+2.9	+106	+100	+3.3	+16.6	+21.9	+21.4
2100	4.39	+7.1	+6.7	+27	+11	+22.1	+22.0	+21.1	+20.4
2200	4.73	+16.0	+11.8	+20	+13	+21.6	+20.6	+20.3	+17.4
2300	5.41	+7.7	+4.8	+307	+311	+18.2	+17.4	+16.9	+17.2
MAX.		+28.2	+23.5	+395	+358	+27.7	+28.5	+30.9	+46.5
MIN.		+2.5	+2.7	+20	+11	-4.7	+11.6	+14.9	+13.7
AVG.	2.31	+12.9	+10.4	+202	+202	+18.0	+20.7	+22.2	+24.4
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (253) 10 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+3.5	+3.6	+225	+175	+17.5	+16.8	+16.1	+14.5
100	5.50	+8.8	+3.7	+237	+223	+17.7	+14.6	+14.0	+12.0
200	5.50	+9.7	+3.4	+208	+206	+15.7	+13.5	+13.0	+11.2
300	5.50	+1.3	+3.2	+254	+212	+14.6	+13.6	+11.4	+10.4
400	5.50	+11.1	+6.8	+227	+214	+14.1	+11.6	+10.8	+9.9
500	5.50	+11.2	+7.4	+197	+208	+14.9	+10.6	+10.1	+9.3
600	5.50	+14.6	+10.3	+218	+223	+12.7	+10.5	+9.8	+8.8
700	5.50	+15.1	+7.8	+203	+197	+13.3	+10.2	+9.9	+8.6
800	5.50	+12.4	+7.7	+219	+217	-3.2	+6.8	+13.3	+8.8
900	5.50	+8.4	+5.7	+213	+213	+15.3	+15.6	+15.9	+15.1
1000	5.50	+0.6	+0.6	+9	+315	+20.1	+20.5	+21.1	+25.7
1100	5.50	+2.3	+3.4	+345	+43	+21.9	+22.0	+23.0	+34.3
1200	5.50	+11.0	+7.6	+45	+8	+20.5	+21.9	+23.4	+40.2
1300	5.50	+7.4	+4.8	+313	+324	+23.1	+24.0	+25.4	+44.2
1400	5.50	+7.1	+7.0	+259	+231	+2.7	+19.7	+27.8	+43.9
1500	5.50	+11.9	+13.5	+307	+299	+25.5	+26.0	+26.7	+44.5
1600	5.50	+12.8	+10.3	+313	+327	+24.9	+25.6	+26.7	+39.7
1700	5.50	+12.8	+8.3	+282	+272	+24.3	+24.6	+25.2	+30.8
1800	5.50	+15.8	+14.9	+296	+273	+0.0	+16.4	+26.9	+28.1
1900	5.50	+25.4	+15.5	+272	+263	+24.5	+24.7	+24.8	+23.8
2000	5.50	+15.1	+12.7	+251	+241	+22.4	+22.0	+21.7	+20.3
2100	5.50	+9.1	+8.9	+326	+309	+20.3	+20.2	+20.3	+18.0
2200	5.50	+7.3	+4.8	+306	+288	+18.5	+18.0	+17.7	+15.3
2300	5.50	+8.2	+5.0	+255	+236	+17.1	+15.2	+13.6	+13.4
MAX.		+25.4	+15.5	+345	+327	+25.5	+26.0	+27.8	+44.5
MIN.		+0.6	+0.6	+9	+8	-3.2	+6.8	+9.8	+8.6
AVG.	0.00	+10.1	+7.4	+241	+230	+16.6	+17.7	+18.7	+22.1
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (254) 11 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+8.7	+4.5	+303	+305	+15.8	+14.9	+14.5	+11.8
100	5.50	+13.1	+9.3	+326	+334	+15.5	+14.7	+14.2	+10.6
200	5.50	+9.9	+6.8	+300	+268	+13.4	+11.3	+10.3	+9.0
300	5.50	+11.7	+8.5	+296	+281	+13.5	+11.5	+10.6	+8.4
400	5.50	+8.5	+4.4	+282	+268	+12.6	+10.6	+9.4	+7.5
500	5.50	+4.4	+3.2	+329	+291	+12.8	+11.7	+7.5	+6.1
600	5.50	+1.9	+4.8	+323	+218	+10.9	+7.7	+5.8	+5.3
700	5.50	+2.1	+3.0	+62	+210	+10.0	+8.5	+4.7	+4.4
800	5.50	+3.8	+1.4	+22	+254	+3.9	+8.6	+9.8	+4.3
900	5.50	+5.6	+3.6	+44	+33	+10.9	+11.1	+12.6	+15.2
1000	5.50	+7.4	+6.3	+43	+44	+10.7	+13.0	+15.5	+23.8
1100	5.50	+3.7	+5.1	+33	+346	+15.0	+16.1	+18.0	+32.1
1200	5.50	+10.3	+11.2	+34	+19	+7.7	+13.9	+17.6	+37.2
1300	5.50	+7.1	+5.0	+32	+64	+16.5	+17.7	+19.8	+42.5
1400	5.50	+5.9	+4.1	+266	+230	+20.3	+21.4	+22.7	+43.7
1500	5.50	+4.1	+1.5	+278	+309	+20.1	+20.9	+21.8	+43.3
1600	5.50	+10.0	+9.2	+352	+3	+1.5	+14.4	+22.6	+39.4
1700	5.50	+11.0	+6.9	+53	+6	+19.9	+20.8	+21.6	+36.3
1800	5.50	+12.4	+11.4	+35	+4	+19.6	+20.1	+20.7	+29.2
1900	5.50	+11.0	+8.0	+33	+35	+18.6	+18.7	+18.8	+20.6
2000	5.50	+5.6	+1.2	+33	+50	+17.2	+16.2	+14.2	+15.7
2100	5.50	+5.6	+0.0	+33	+3	+5.1	+10.1	+12.8	+10.9
2200	5.50	+1.7	+1.3	+69	+213	+14.5	+14.1	+11.9	+11.4
2300	5.50	+5.3	+4.3	+271	+225	+14.1	+10.8	+10.1	+10.2
MAX.		+13.1	+11.4	+352	+346	+20.3	+21.4	+22.7	+43.7
MIN.		+1.7	+0.0	+22	+3	+1.5	+7.7	+4.7	+4.3
AVG.	0.00	+7.1	+5.2	+161	+167	+13.3	+14.1	+14.5	+20.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (255) 12 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+9.5	+7.9	+232	+222	+13.2	+9.0	+8.7	+9.2
100	5.50	+6.3	+3.2	+224	+242	+11.2	+9.1	+8.6	+8.3
200	5.50	+12.6	+6.0	+202	+218	+10.6	+7.9	+7.1	+7.5
300	5.50	+14.0	+7.2	+205	+221	+9.7	+7.0	+6.4	+6.7
400	5.50	+13.3	+6.9	+210	+211	+10.2	+6.7	+6.3	+6.1
500	5.50	+14.1	+6.4	+202	+225	+7.6	+5.9	+5.5	+5.5
600	5.50	+13.1	+8.2	+200	+196	+9.6	+5.6	+5.3	+5.0
700	5.50	+8.8	+3.6	+200	+222	+9.0	+5.2	+4.5	+4.2
800	5.50	+10.8	+8.0	+211	+211	+9.0	+7.9	+8.0	+6.6
900	5.50	+2.9	+3.1	+226	+227	+10.8	+11.0	+11.2	+11.3
1000	5.50	+6.5	+6.0	+7	+345	+12.6	+13.4	+15.1	+20.1
1100	5.50	+5.4	+5.0	+346	+2	+14.0	+14.3	+15.2	+22.5
1200	5.50	+3.3	+4.0	+79	+49	+16.4	+16.9	+18.0	+33.7
1300	5.50	+8.9	+5.4	+56	+66	+16.4	+17.6	+18.6	+37.2
1400	5.50	+8.3	+7.2	+58	+52	+17.1	+17.8	+18.9	+35.4
1500	5.50	+9.7	+9.6	+62	+65	+17.4	+18.0	+19.2	+37.2
1600	5.50	+10.6	+6.6	+36	+15	+19.1	+20.1	+21.5	+39.1
1700	5.50	+9.8	+7.0	+61	+45	+18.9	+19.5	+20.5	+35.3
1800	5.50	+17.7	+15.3	+29	+17	+17.5	+17.8	+18.2	+26.2
1900	5.50	+16.4	+12.2	+34	+29	+16.3	+16.4	+16.6	+20.4
2000	5.50	+25.2	+21.7	+43	+45	+15.1	+15.3	+15.3	+17.1
2100	5.50	+14.1	+11.4	+50	+36	+13.9	+13.9	+13.8	+14.1
2200	5.50	+16.2	+12.4	+44	+38	+12.4	+12.4	+12.3	+11.9
2300	5.50	+13.3	+12.1	+44	+42	+11.2	+11.2	+11.1	+10.5
MAX.		+25.2	+21.7	+346	+345	+19.1	+20.1	+21.5	+39.1
MIN.		+2.9	+3.1	+7	+2	+7.6	+5.2	+4.5	+4.2
AVG.	0.00	+11.3	+8.2	+128	+127	+13.3	+12.5	+12.7	+18.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (256) 13 SEP. '79'

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+16.6	+11.1	+36	+36	+10.0	+9.7	+9.6	+9.3
100	5.50	+9.7	+9.6	+39	+27	+8.9	+9.0	+8.9	+8.1
200	5.50	+10.4	+6.4	+14	+13	+8.4	+8.0	+7.4	+7.3
300	5.50	+10.2	+9.8	+342	+339	+7.8	+7.4	+7.1	+6.6
400	5.50	+11.4	+6.6	+24	+8	+7.3	+6.6	+6.3	+5.8
500	5.50	+15.0	+9.6	+11	+14	+6.4	+6.0	+5.8	+5.1
600	5.50	+14.6	+9.0	+9	+349	+5.9	+5.2	+4.8	+4.3
700	5.50	+9.1	+7.0	+4	+345	+6.0	+5.8	+5.0	+3.5
800	5.50	+6.1	+5.1	+18	+7	+5.6	+5.9	+6.2	+5.0
900	5.50	+7.6	+6.2	+41	+30	+6.5	+7.0	+7.8	+12.7
1000	5.50	+10.9	+10.3	+20	+19	+8.4	+8.7	+9.6	+20.4
1100	5.50	+13.1	+16.1	+18	+12	+9.9	+10.3	+11.6	+27.1
1200	5.50	+13.3	+9.0	+29	+18	+11.7	+12.5	+13.6	+32.1
1300	5.50	+14.4	+12.9	+339	+347	+13.2	+13.8	+15.0	+36.4
1400	5.50	+17.0	+13.9	+36	+40	+13.2	+14.0	+15.3	+38.0
1500	5.50	+17.3	+17.9	+42	+34	+14.9	+15.5	+16.9	+38.6
1600	5.50	+13.2	+11.1	+22	+6	+15.0	+16.1	+17.5	+36.3
1700	5.50	+9.6	+12.0	+18	+17	+16.1	+16.4	+17.7	+31.3
1800	5.50	+11.7	+10.0	+20	+52	+16.3	+16.7	+17.3	+24.6
1900	5.50	+15.7	+14.8	+34	+8	-4.5	+9.4	+16.0	+13.1
2000	5.50	+7.1	+2.7	+27	+45	+14.1	+13.2	+11.8	+12.1
2100	5.50	+3.0	+1.3	+32	+178	+13.7	+12.0	+9.5	+9.4
2200	5.50	+1.9	+3.1	+213	+221	+12.9	+11.9	+9.1	+7.9
2300	5.50	+12.1	+9.6	+32	+23	+14.5	+13.7	+12.8	+7.2
MAX.		+17.3	+17.9	+342	+349	+16.3	+16.7	+17.7	+38.6
MIN.		+1.9	+1.3	+4	+6	-4.5	+5.2	+4.8	+3.5
AVG:	0.00	+11.3	+9.4	+59	+91	+10.1	+10.6	+10.9	+16.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (257) 14 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+2.7	+3.8	+143	+212	+12.3	+9.3	+7.5	+6.0
100	5.50	+5.8	+0.5	+52	+55	+13.1	+11.1	+9.5	+4.8
200	5.50	+3.1	+2.3	+55	+242	+12.3	+9.1	+8.6	+4.3
300	5.50	+5.0	+4.4	+3	+333	+12.2	+11.5	+10.9	+3.5
400	5.50	+4.6	+6.2	+200	+234	+9.0	+5.0	+3.8	+2.6
500	5.50	+4.8	+4.7	+208	+204	+10.0	+5.5	+4.3	+2.3
600	5.50	+5.7	+4.9	+214	+222	+9.9	+4.7	+4.0	+2.0
700	5.50	+9.0	+5.5	+201	+219	+8.9	+3.2	+3.1	+1.7
800	5.50	+9.6	+6.0	+176	+196	+7.6	+6.3	+6.2	+3.5
900	5.50	+3.2	+2.7	+224	+224	+13.1	+12.9	+13.4	+13.2
1000	5.50	+9.6	+6.6	+62	+44	+8.9	+12.9	+15.6	+22.6
1100	5.50	+4.5	+4.1	+11	+21	+15.9	+15.9	+16.7	+30.7
1200	5.50	+6.5	+6.4	+48	+13	+16.5	+17.3	+18.6	+37.6
1300	5.50	+4.8	+3.6	+45	+25	+19.7	+20.4	+23.0	+41.9
1400	5.50	+7.2	+6.0	+296	+302	+19.3	+20.2	+21.0	+42.5
1500	5.50	+6.4	+4.9	+4	+16	+20.6	+21.1	+22.3	+41.5
1600	5.50	+6.7	+7.1	+347	+349	+20.3	+20.6	+21.7	+38.8
1700	5.50	+11.1	+9.7	+15	+27	+20.5	+20.9	+21.9	+34.8
1800	5.50	+7.1	+5.9	+23	+14	+20.3	+20.5	+21.0	+28.1
1900	5.50	+5.6	+4.8	+23	+15	+19.3	+19.4	+19.3	+19.8
2000	5.50	+5.2	+3.2	+68	+336	+18.5	+17.8	+15.3	+14.8
2100	5.50	+1.5	+2.0	+116	+206	+15.9	+15.2	+12.4	+11.7
2200	5.50	+1.8	+2.1	+141	+172	+14.2	+13.4	+11.6	+10.0
2300	5.50	+11.5	+5.9	+201	+217	+12.7	+10.2	+9.8	+9.0
MAX.		+11.5	+9.7	+347	+349	+20.6	+21.1	+23.0	+42.5
MIN.		+1.5	+0.5	+3	+13	+7.6	+3.2	+3.1	+1.7
AVG.	0.00	+6.0	+4.7	+120	+162	+14.6	+13.5	+13.4	+17.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (258) 15 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+13.9	+8.5	+186	+210	+14.3	+10.7	+9.9	+8.1
100	5.50	+12.6	+7.5	+188	+212	+13.1	+10.1	+9.5	+7.5
200	5.50	+12.2	+10.3	+186	+210	+14.7	+10.1	+9.5	+6.9
300	5.50	+17.1	+12.0	+190	+210	+15.0	+9.8	+9.4	+7.1
400	5.50	+17.2	+13.2	+190	+205	+14.6	+9.8	+9.1	+6.6
500	5.50	+12.0	+5.8	+198	+213	+13.6	+10.2	+9.6	+6.3
600	5.50	+10.2	+6.6	+203	+207	+12.6	+7.0	+6.0	+4.8
700	5.50	+10.2	+4.0	+182	+201	+11.2	+5.7	+4.9	+4.0
800	5.50	+11.9	+5.6	+190	+217	+14.3	+11.1	+10.8	+6.2
900	5.50	+7.3	+5.8	+202	+205	+16.3	+16.7	+17.1	+15.8
1000	5.50	+4.5	+5.7	+214	+260	+19.8	+20.1	+20.9	+25.5
1100	5.50	+5.5	+4.3	+95	+75	+22.0	+22.8	+24.5	+34.2
1200	5.50	+9.5	+4.3	+61	+24	+21.5	+22.8	+24.3	+40.2
1300	5.50	+10.5	+9.7	+10	+349	+23.0	+23.4	+24.7	+43.6
1400	5.50	+4.0	+4.1	+294	+260	+24.5	+25.8	+26.3	+45.4
1500	5.50	+6.4	+5.5	+20	+28	+15.4	+22.3	+25.5	+45.2
1600	5.50	+6.6	+6.7	+18	+3	+24.1	+24.7	+25.8	+42.7
1700	5.50	+7.1	+6.8	+308	+325	+23.5	+23.9	+24.7	+38.3
1800	5.50	+5.0	+3.6	+305	+290	+24.3	+24.9	+24.8	+30.1
1900	5.50	+4.1	+3.1	+336	+326	+22.8	+23.0	+22.9	+21.9
2000	5.50	+4.1	+1.7	+341	+340	+21.8	+20.9	+16.8	+16.7
2100	5.50	+5.8	+3.1	+3	+328	+21.9	+20.7	+16.2	+13.8
2200	5.50	+2.8	+3.3	+109	+179	+18.6	+17.6	+15.0	+11.7
2300	5.50	+2.8	+4.7	+119	+199	+18.7	+15.5	+13.1	+10.2
MAX.		+17.2	+13.2	+341	+349	+24.5	+25.8	+26.3	+45.4
MIN.		+2.8	+1.7	+3	+3	+11.2	+5.7	+4.9	+4.0
AVG.	0.00	+8.5	+6.1	+173	+212	+18.4	+17.1	+16.7	+20.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (259) 16 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+8.0	+8.6	+218	+223	+18.2	+12.8	+12.2	+9.4
100	5.50	+9.8	+4.3	+190	+217	+13.7	+10.9	+10.0	+8.7
200	5.50	+10.9	+6.4	+216	+232	+15.0	+11.0	+10.6	+7.8
300	5.50	+7.0	+6.4	+205	+202	+15.9	+10.4	+9.9	+7.4
400	5.50	+9.8	+7.2	+209	+203	+15.9	+10.0	+9.5	+7.0
500	5.50	+11.3	+3.6	+206	+216	+13.8	+9.0	+8.8	+6.8
600	5.50	+11.7	+4.3	+209	+237	+11.3	+8.4	+7.7	+5.9
700	5.50	+7.7	+5.6	+215	+226	+14.1	+8.7	+7.9	+5.8
800	5.50	+7.5	+4.8	+205	+219	+11.3	+9.7	+11.1	+7.1
900	5.50	+3.6	+3.6	+199	+193	+16.4	+16.7	+17.2	+16.5
1000	5.50	+2.9	+2.3	+275	+302	+18.6	+15.7	+19.8	+23.9
1100	5.50	+3.5	+4.3	+295	+291	+19.5	+20.2	+21.2	+32.7
1200	5.50	+9.8	+7.2	+337	+334	+21.5	+22.2	+23.0	+39.4
1300	5.50	+8.2	+4.7	+40	+2	+21.7	+22.5	+23.6	+44.0
1400	5.50	+10.6	+10.6	+33	+30	+22.8	+23.5	+25.2	+45.6
1500	5.50	+16.2	+17.3	+17	+15	+23.8	+24.3	+26.0	+44.7
1600	5.50	+14.9	+15.1	+29	+25	+24.0	+24.6	+25.8	+42.3
1700	5.50	+9.4	+5.2	+33	+39	+24.6	+25.2	+26.2	+37.5
1800	5.50	+14.4	+14.5	+15	+13	+24.1	+24.4	+24.9	+29.5
1900	5.50	+11.7	+8.7	+333	+333	+23.5	+23.4	+23.3	+22.5
2000	5.50	+7.6	+4.8	+324	+313	+22.9	+22.1	+21.1	+18.1
2100	5.50	+9.8	+5.7	+315	+302	+22.4	+21.2	+20.3	+16.0
2200	5.50	+10.4	+6.5	+307	+303	+21.8	+20.8	+20.1	+14.7
2300	5.50	+10.4	+5.1	+295	+278	+20.3	+17.6	+17.0	+13.6
MAX.		+16.2	+17.3	+337	+334	+24.6	+25.2	+26.2	+45.6
MIN.		+2.9	+2.3	+15	+2	+11.3	+8.4	+7.7	+5.8
AVG.	0.00	+9.5	+6.9	+197	+198	+19.0	+17.3	+17.6	+21.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (260) 17 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+8.8	+3.4	+241	+226	+17.4	+13.5	+12.7	+11.5
100	5.50	+6.5	+5.5	+240	+221	+17.1	+14.9	+12.6	+10.4
200	5.50	+11.4	+6.3	+185	+197	+14.5	+11.2	+10.5	+9.5
300	5.50	+13.8	+7.0	+215	+207	+14.5	+11.8	+11.3	+9.4
400	5.50	+11.3	+6.3	+233	+212	+14.8	+11.7	+10.8	+8.6
500	5.50	+7.0	+4.3	+226	+226	+14.3	+11.4	+10.7	+8.0
600	5.50	+4.3	+5.4	+218	+205	+14.1	+11.5	+10.4	+7.4
700	5.50	+9.5	+6.3	+224	+231	+14.3	+10.6	+10.2	+7.4
800	5.50	+7.6	+4.6	+209	+212	+14.5	+12.7	+12.6	+8.7
900	5.50	+4.2	+3.9	+212	+223	+13.5	+16.4	+18.2	+16.7
1000	5.50	+4.0	+4.1	+277	+256	+20.2	+20.8	+21.5	+26.2
1100	5.50	+7.2	+6.3	+327	+318	+22.0	+22.4	+23.6	+35.1
1200	5.50	+1.9	+0.7	+127	+214	+26.2	+26.9	+27.5	+41.3
1300	5.50	+5.9	+3.6	+33	+3	+23.1	+24.1	+25.4	+44.9
1400	5.50	+8.8	+8.0	+182	+193	+24.8	+26.5	+27.9	+41.6
1500	5.50	+6.6	+4.9	+167	+151	+26.9	+28.5	+29.9	+47.5
1600	5.50	+20.9	+23.1	+94	+92	+25.1	+25.7	+26.6	+38.6
1700	5.50	+11.5	+12.1	+95	+93	+22.1	+23.7	+24.4	+34.5
1800	5.50	+8.9	+7.1	+114	+117	+23.3	+23.4	+23.6	+27.3
1900	5.50	+10.2	+9.3	+149	+164	+22.8	+22.8	+22.8	+22.6
2000	5.50	+14.8	+9.9	+165	+183	+20.9	+20.2	+20.0	+18.9
2100	5.50	+15.4	+11.2	+184	+207	+19.7	+18.3	+17.7	+16.7
2200	5.50	+18.7	+12.7	+180	+197	+20.0	+17.8	+17.5	+15.5
2300	5.50	+16.4	+12.4	+201	+215	+17.3	+16.5	+15.9	+14.1
MAX.		+20.9	+23.1	+327	+318	+26.9	+28.5	+29.9	+47.5
MIN.		+1.9	+0.7	+33	+3	+13.5	+10.6	+10.2	+7.4
AVG.	0.00	+9.8	+7.4	+187	+190	+19.3	+18.5	+18.5	+21.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (261) 18 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+16.8	+11.2	+198	+206	+17.8	+16.6	+16.2	+13.6
100	5.50	+17.0	+14.4	+202	+210	+16.6	+15.4	+15.1	+13.0
200	5.50	+16.0	+13.3	+193	+206	+16.5	+15.9	+15.6	+12.4
300	5.50	+15.9	+11.9	+182	+200	+16.5	+15.8	+15.3	+12.0
400	5.50	+1.8	+4.0	+63	+45	+15.3	+14.6	+14.1	+10.7
500	5.50	+2.8	+2.4	+82	+87	+14.8	+13.7	+13.1	+9.1
600	5.50	+26.6	+25.9	+170	+175	+15.6	+15.4	+15.2	+10.6
700	5.50	+27.7	+21.4	+170	+181	+15.3	+15.2	+15.1	+11.1
800	5.50	+21.3	+16.4	+182	+183	+15.9	+16.1	+16.3	+13.2
900	5.50	+14.8	+14.2	+181	+185	+17.5	+17.9	+18.4	+18.4
1000	5.50	+17.6	+10.8	+207	+206	+19.9	+20.5	+21.5	+26.8
1100	5.50	+16.0	+15.5	+191	+196	+20.2	+20.7	+21.9	+30.2
1200	5.50	+15.6	+13.2	+167	+159	+20.4	+21.8	+23.4	+37.1
1300	5.50	+9.7	+7.4	+154	+202	+23.9	+25.1	+26.9	+43.4
1400	5.50	+8.2	+7.0	+223	+218	+23.0	+23.6	+24.7	+37.9
1500	5.50	+9.6	+10.0	+280	+285	+20.5	+22.1	+22.7	+31.0
1600	5.50	+14.5	+12.8	+166	+176	+21.7	+22.0	+22.6	+28.1
1700	5.50	+11.0	+10.0	+178	+180	+20.2	+21.0	+21.6	+24.6
1800	5.50	+18.9	+23.4	+191	+196	+18.6	+18.8	+19.1	+21.9
1900	5.50	+8.1	+7.1	+184	+185	+20.0	+20.0	+19.9	+20.0
2000	5.50	+6.8	+5.4	+192	+223	+17.2	+16.4	+15.7	+15.8
2100	5.50	+11.8	+7.5	+196	+218	+15.8	+14.3	+13.5	+14.1
2200	5.50	+13.8	+9.0	+201	+205	+14.9	+13.0	+12.8	+12.9
2300	5.50	+6.2	+4.1	+137	+159	+15.5	+14.2	+13.5	+13.2
MAX.		+27.7	+25.9	+280	+285	+23.9	+25.1	+26.9	+43.4
MIN.		+1.8	+2.4	+63	+45	+14.8	+13.0	+12.8	+9.1
AVG.	0.00	+13.7	+11.6	+179	+187	+18.1	+17.9	+18.1	+20.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (262) 19 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+14.3	+8.7	+72	+64	+19.8	+18.6	+17.4	+13.4
100	5.50	+6.9	+3.8	+133	+180	+16.7	+15.0	+14.6	+11.1
200	5.50	+6.9	+6.4	+204	+229	+15.0	+13.2	+13.0	+10.8
300	5.50	+3.6	+5.8	+212	+215	+14.0	+13.1	+11.5	+10.9
400	5.50	+13.3	+7.2	+195	+213	+15.6	+11.1	+11.0	+10.6
500	5.50	+5.8	+5.8	+225	+188	+12.4	+10.5	+10.0	+10.2
600	5.50	+10.8	+6.3	+282	+272	+14.3	+13.1	+12.3	+10.7
700	5.50	+16.4	+11.2	+205	+213	+12.6	+11.7	+11.7	+11.1
800	5.50	+7.2	+5.1	+224	+222	+13.6	+12.9	+12.4	+11.8
900	5.50	+10.8	+7.5	+193	+191	+14.3	+14.6	+14.9	+14.6
1000	5.50	+3.8	+4.3	+161	+166	+14.2	+15.0	+15.4	+17.7
1100	5.50	+4.0	+4.0	+116	+147	+15.2	+16.9	+17.8	+23.8
1200	5.50	+3.1	+3.0	+73	+273	+20.1	+21.5	+22.6	+35.7
1300	5.50	+8.7	+7.9	+66	+65	+18.7	+19.2	+20.1	+31.8
1400	5.50	+7.2	+9.0	+105	+95	+20.1	+21.3	+22.7	+36.7
1500	5.50	+6.8	+6.8	+81	+94	+19.5	+20.1	+21.0	+37.3
1600	5.50	+12.0	+8.8	+200	+199	+16.4	+18.0	+19.4	+28.3
1700	5.50	+5.0	+4.5	+264	+304	+20.7	+21.7	+22.8	+29.5
1800	5.50	+3.0	+0.5	+11	+172	+18.2	+20.0	+20.1	+23.7
1900	5.50	+10.2	+6.3	+9	+353	+19.3	+19.2	+18.9	+19.3
2000	5.50	+5.4	+1.4	+189	+183	+15.6	+14.6	+14.5	+15.0
2100	5.50	+9.4	+5.1	+190	+217	+15.1	+14.0	+13.5	+13.4
2200	5.50	+11.6	+8.1	+197	+198	+14.6	+12.6	+12.3	+12.1
2300	5.50	+8.1	+3.5	+200	+204	+12.3	+10.5	+10.2	+10.8
MAX.		+16.4	+11.2	+282	+353	+20.7	+21.7	+22.8	+37.3
MIN.		+3.0	+0.5	+9	+64	+12.3	+10.5	+10.0	+10.2
AVG.	0.00	+8.1	+5.9	+159	+194	+16.2	+15.8	+15.8	+18.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (263) 20 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+6.3	+3.7	+114	+140	+12.1	+10.7	+10.4	+10.4
100	5.50	+5.2	+4.2	+138	+190	+14.1	+11.3	+9.4	+8.6
200	5.50	+14.1	+12.2	+198	+212	+13.7	+9.8	+9.5	+8.4
300	5.50	+8.4	+7.2	+185	+202	+10.8	+9.0	+8.5	+7.7
400	5.50	+15.1	+8.7	+206	+215	+9.9	+8.6	+8.4	+7.4
500	5.50	+16.4	+10.2	+212	+220	+9.9	+9.3	+9.0	+7.4
600	5.50	+10.6	+7.9	+199	+205	+9.0	+7.8	+7.4	+6.7
700	5.50	+7.7	+6.6	+215	+212	+11.6	+8.4	+7.7	+5.9
800	5.50	+8.1	+4.7	+199	+216	+10.9	+9.8	+9.5	+7.2
900	5.50	+6.4	+4.2	+250	+216	+13.7	+14.0	+14.7	+14.9
1000	5.50	+2.2	+2.1	+228	+192	+17.2	+17.7	+18.5	+23.6
1100	5.50	+11.5	+10.6	+253	+241	+18.0	+19.0	+19.8	+31.2
1200	5.50	+10.5	+10.8	+261	+246	+20.9	+21.7	+23.1	+37.7
1300	5.50	+6.7	+6.7	+325	+336	+20.6	+21.3	+22.2	+40.9
1400	5.50	+4.1	+3.5	+317	+311	+20.3	+22.7	+24.7	+38.6
1500	5.50	+5.6	+7.3	+143	+134	+19.6	+21.6	+22.0	+39.9
1600	5.50	+3.5	+3.7	+347	+15	+20.4	+20.5	+21.0	+31.1
1700	5.50	+12.5	+11.0	+151	+156	+18.4	+21.1	+22.2	+27.4
1800	5.50	+14.5	+10.0	+142	+148	+20.5	+21.1	+21.7	+23.9
1900	5.50	+13.9	+8.3	+144	+156	+19.5	+19.5	+19.6	+19.3
2000	5.50	+15.2	+13.1	+162	+188	+18.3	+17.9	+17.6	+15.6
2100	5.50	+15.0	+10.5	+195	+191	+15.3	+15.0	+14.7	+13.6
2200	5.50	+13.2	+8.5	+192	+214	+15.2	+14.5	+14.0	+12.7
2300	5.50	+16.6	+12.2	+191	+209	+15.4	+14.0	+13.6	+12.6
MAX.		+16.6	+13.1	+347	+336	+20.9	+22.7	+24.7	+40.9
MIN.		+2.2	+2.1	+99	+15	+9.0	+7.8	+7.4	+5.9
AVG.	0.00	+10.1	+7.8	+207	+199	+15.6	+15.3	+15.4	+18.9
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (264) 21 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+19.9	+13.9	+180	+182	+16.6	+15.8	+15.6	+12.9
100	5.50	+17.0	+11.1	+182	+194	+15.8	+14.9	+14.7	+11.7
200	5.50	+15.2	+12.8	+204	+216	+14.9	+14.4	+14.0	+11.0
300	5.50	+18.2	+13.3	+188	+198	+14.5	+13.7	+13.3	+10.4
400	5.50	+17.1	+9.5	+183	+206	+14.2	+13.3	+13.0	+9.9
500	5.50	+20.6	+10.5	+185	+191	+14.4	+13.2	+12.9	+9.8
600	5.50	+19.7	+16.9	+188	+191	+14.6	+13.5	+13.1	+10.1
700	5.50	+14.3	+10.3	+200	+209	+14.5	+14.2	+14.0	+11.1
800	5.50	+6.2	+2.5	+146	+87	+14.3	+14.0	+13.9	+11.4
900	5.50	+2.5	+3.3	+280	+284	+15.6	+15.9	+16.0	+14.0
1000	5.50	+9.2	+7.0	+205	+233	+20.4	+21.3	+22.6	+26.3
1100	5.50	+8.9	+10.4	+207	+211	+20.9	+21.1	+21.8	+27.0
1200	5.50	+11.5	+9.4	+199	+185	+22.2	+23.1	+24.4	+36.9
1300	5.50	+13.6	+15.6	+233	+238	+22.0	+22.4	+23.4	+34.9
1400	5.50	+7.6	+6.8	+195	+209	+22.8	+23.7	+24.6	+35.0
1500	5.50	+9.4	+5.3	+236	+338	+25.5	+26.0	+27.4	+39.9
1600	5.50	+16.5	+11.4	+273	+260	+24.5	+25.2	+26.6	+37.9
1700	5.50	+16.9	+16.3	+219	+222	+23.5	+24.0	+25.2	+33.5
1800	5.50	+12.7	+10.0	+235	+246	+22.8	+23.3	+23.9	+24.4
1900	5.50	+10.0	+9.2	+226	+222	+21.6	+21.4	+21.3	+20.3
2000	5.50	+13.6	+11.0	+202	+211	+20.1	+19.0	+18.2	+16.8
2100	5.50	+12.8	+7.3	+190	+196	+16.1	+15.4	+14.7	+13.6
2200	5.50	+20.1	+12.4	+178	+184	+19.3	+16.9	+16.7	+13.7
2300	5.50	+19.2	+13.4	+181	+192	+18.3	+16.2	+15.9	+13.0
MAX.		+20.6	+16.9	+280	+338	+25.5	+26.0	+27.4	+39.9
MIN.		+2.5	+2.5	+99	+87	+14.2	+13.2	+12.9	+9.8
AVG.	0.00	+13.9	+10.4	+205	+213	+18.7	+18.4	+18.6	+20.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (265) 22 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+19.7	+12.0	+180	+190	+18.2	+16.2	+15.9	+12.6
100	5.50	+17.7	+9.3	+178	+201	+17.8	+15.7	+15.4	+12.1
200	5.50	+18.0	+14.8	+187	+204	+16.5	+15.4	+15.1	+11.7
300	5.50	+14.3	+11.4	+189	+201	+16.0	+15.4	+15.1	+11.4
400	5.50	+16.2	+13.0	+192	+215	+15.5	+14.5	+14.1	+10.9
500	5.50	+15.3	+11.5	+193	+219	+15.6	+13.9	+13.2	+10.5
600	5.50	+14.5	+10.7	+182	+179	+16.0	+14.7	+14.4	+10.7
700	5.50	+11.1	+7.3	+223	+212	+14.3	+11.4	+11.1	+9.7
800	5.50	+5.3	+4.2	+148	+166	+14.3	+14.2	+14.4	+11.2
900	5.50	+2.7	+1.7	+112	+110	+17.8	+18.2	+18.8	+16.9
1000	5.50	+4.9	+3.1	+216	+206	+22.0	+23.0	+24.0	+26.5
1100	5.50	+4.7	+2.4	+277	+252	+23.4	+24.5	+25.8	+34.1
1200	5.50	+5.4	+2.5	+76	+61	+25.1	+25.8	+27.1	+37.9
1300	5.50	+14.0	+13.5	+272	+270	+23.8	+24.9	+26.0	+41.2
1400	5.50	+9.9	+6.7	+167	+182	+25.8	+27.1	+28.7	+46.3
1500	5.50	+11.9	+13.9	+187	+193	+24.3	+25.3	+27.1	+44.1
1600	5.50	+11.6	+12.0	+224	+210	+24.5	+25.1	+26.7	+40.9
1700	5.50	+16.7	+16.5	+225	+228	+24.0	+24.4	+25.5	+35.5
1800	5.50	+13.7	+12.9	+233	+220	+23.2	+23.6	+24.2	+25.4
1900	5.50	+8.0	+7.1	+201	+196	+21.9	+21.8	+21.6	+21.3
2000	5.50	+11.6	+8.7	+191	+208	+19.7	+19.2	+18.6	+17.6
2100	5.50	+12.0	+8.8	+176	+200	+18.8	+17.7	+17.3	+15.9
2200	5.50	+14.0	+8.2	+186	+206	+18.1	+16.8	+16.4	+15.0
2300	5.50	+15.9	+11.1	+178	+192	+18.8	+17.2	+16.4	+14.3
MAX.		+19.7	+16.5	+277	+270	+25.8	+27.1	+28.7	+46.3
MIN.		+2.7	+1.7	+76	+61	+14.3	+11.4	+11.1	+9.7
AVG.	0.00	+12.0	+9.3	+191	+197	+19.8	+19.4	+19.7	+22.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (266) 23 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+12.7	+11.2	+191	+224	+17.1	+16.2	+15.7	+13.7
100	5.50	+18.5	+13.1	+183	+198	+18.8	+17.0	+16.6	+13.4
200	5.50	+18.4	+12.9	+172	+193	+18.7	+17.3	+16.9	+13.7
300	5.50	+17.3	+13.6	+175	+192	+17.9	+16.5	+16.2	+13.3
400	5.50	+5.5	+3.8	+22	+346	+16.1	+15.6	+15.1	+11.8
500	5.50	+6.6	+4.2	+214	+203	+16.2	+12.9	+12.5	+10.8
600	5.50	+8.6	+4.9	+211	+235	+16.2	+14.1	+13.6	+11.1
700	5.50	+5.7	+5.7	+197	+193	+17.0	+13.7	+13.2	+10.4
800	5.50	+12.5	+7.3	+192	+197	+16.8	+15.2	+14.8	+11.5
900	5.50	+4.8	+3.6	+212	+232	+16.7	+18.1	+18.8	+16.5
1000	5.50	+3.8	+3.2	+230	+269	+20.2	+21.3	+22.4	+27.2
1100	5.50	+3.3	+5.5	+221	+220	+22.2	+23.3	+24.7	+34.0
1200	5.50	+6.2	+5.6	+180	+214	+23.9	+25.1	+27.1	+40.3
1300	5.50	+13.5	+8.8	+261	+260	+25.5	+26.9	+28.6	+38.8
1400	5.50	+11.4	+13.5	+178	+179	+23.6	+24.0	+25.0	+34.2
1500	5.50	+7.7	+8.3	+197	+205	+20.0	+22.8	+23.5	+34.1
1600	5.50	+25.0	+11.0	+210	+214	+23.8	+24.3	+25.0	+33.0
1700	5.50	+20.8	+16.2	+249	+251	+24.0	+24.7	+25.9	+32.8
1800	5.50	+13.7	+11.7	+204	+199	+21.9	+23.4	+23.7	+24.3
1900	5.50	+8.2	+5.4	+186	+190	+22.4	+22.1	+22.0	+20.9
2000	5.50	+10.0	+5.9	+196	+201	+19.6	+18.1	+16.7	+16.2
2100	5.50	+9.6	+8.8	+196	+219	+18.5	+17.6	+16.7	+15.0
2200	5.50	+13.8	+8.9	+181	+206	+18.9	+16.4	+15.9	+14.1
2300	5.50	+10.0	+7.9	+185	+211	+16.5	+14.9	+14.1	+12.3
MAX.		+25.0	+16.2	+261	+346	+25.5	+26.9	+28.6	+40.3
MIN.		+3.3	+3.2	+22	+99	+16.1	+12.9	+12.5	+10.4
AVG.	0.00	+11.2	+8.4	+193	+219	+19.7	+19.2	+19.4	+21.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (267) 24 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+11.7	+9.6	+178	+208	+19.2	+15.7	+14.7	+12.3
100	5.50	+12.3	+11.3	+179	+211	+17.4	+15.0	+14.1	+11.8
200	5.50	+12.7	+7.7	+166	+188	+17.3	+14.6	+14.3	+11.5
300	5.50	+11.9	+5.4	+175	+190	+17.0	+14.5	+14.0	+11.0
400	5.50	+12.1	+5.6	+166	+192	+18.0	+14.3	+13.5	+10.4
500	5.50	+12.3	+9.0	+175	+194	+17.2	+14.6	+13.8	+10.5
600	5.50	+10.5	+7.6	+170	+201	+15.8	+14.3	+13.9	+10.6
700	5.50	+11.7	+10.2	+180	+216	+16.6	+15.8	+15.5	+12.4
800	5.50	+13.7	+10.0	+189	+209	+16.1	+15.6	+15.4	+12.5
900	5.50	+8.5	+4.3	+186	+185	+14.5	+16.0	+15.9	+13.7
1000	5.50	+1.5	+0.3	+126	+61	+16.9	+20.6	+22.2	+23.1
1100	5.50	+9.4	+8.6	+275	+277	+20.7	+21.0	+21.3	+23.3
1200	5.50	+16.4	+15.1	+218	+219	+22.3	+22.9	+24.1	+33.0
1300	5.50	+17.5	+14.9	+188	+186	+23.1	+23.7	+24.5	+33.1
1400	5.50	+16.8	+21.0	+199	+185	+22.9	+23.3	+23.9	+33.7
1500	5.50	+15.4	+11.3	+160	+163	+24.0	+24.9	+25.8	+36.1
1600	5.50	+15.7	+18.4	+174	+176	+23.2	+23.6	+24.3	+33.7
1700	5.50	+9.8	+6.2	+213	+220	+22.7	+23.1	+23.6	+28.1
1800	5.50	+10.5	+11.6	+192	+206	+22.7	+23.0	+23.4	+24.4
1900	5.50	+12.8	+10.9	+180	+194	+22.2	+22.2	+22.3	+21.8
2000	5.50	+8.6	+6.3	+194	+200	+20.3	+19.6	+18.7	+17.5
2100	5.50	+11.3	+9.9	+220	+219	+15.6	+16.6	+15.5	+14.8
2200	5.50	+16.0	+10.0	+173	+184	+18.8	+16.8	+16.6	+14.7
2300	5.50	+15.4	+11.0	+172	+191	+18.4	+17.1	+16.5	+13.9
MAX.		+17.5	+21.0	+275	+277	+24.0	+24.9	+25.8	+36.1
MIN.		+1.5	+0.3	+99	+61	+14.5	+14.3	+13.5	+10.4
AVG.	0.00	+12.3	+9.8	+185	+195	+19.3	+18.7	+18.7	+19.5
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (268) 25 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	5.50	+13.8	+9.2	+203	+225	+18.4	+17.8	+17.4	+14.5
100	5.50	+12.9	+10.8	+203	+203	+18.0	+17.3	+17.0	+14.2
200	5.50	+10.2	+7.3	+213	+214	+17.3	+16.8	+16.5	+14.1
300	5.54	+13.6	+10.0	+211	+219	+17.2	+16.8	+16.5	+13.9
400	5.67	+14.0	+13.3	+185	+176	+15.3	+15.1	+14.8	+14.0
500	5.77	+11.4	+9.2	+204	+213	+15.1	+14.9	+14.5	+13.1
600	5.77	+10.3	+7.7	+197	+204	+14.6	+14.5	+14.3	+12.9
700	6.88	+18.3	+11.4	+173	+175	+13.3	+12.5	+11.6	+11.6
800	6.94	+17.8	+10.7	+155	+171	+10.0	+11.2	+11.2	+10.8
900	6.94	+23.2	+16.3	+165	+171	+13.7	+13.7	+13.6	+11.3
1000	6.94	+17.8	+12.2	+184	+190	+17.2	+17.8	+18.6	+17.7
1100	6.94	+18.1	+10.6	+183	+187	+18.2	+19.2	+20.0	+22.0
1200	6.94	+18.7	+16.1	+165	+162	+20.0	+20.9	+22.5	+30.5
1300	6.99	+17.4	+18.5	+172	+182	+18.6	+19.4	+20.7	+27.9
1400	6.99	+20.5	+14.9	+159	+155	+19.7	+20.5	+21.5	+33.0
1500	7.03	+33.5	+20.9	+248	+252	+21.9	+22.5	+23.4	+30.6
1600	7.09	+18.1	+14.9	+221	+192	+21.0	+21.5	+22.3	+28.8
1700	7.09	+18.2	+15.3	+221	+231	+20.9	+21.3	+21.8	+25.5
1800	7.19	+20.3	+18.3	+162	+174	+18.9	+19.5	+19.5	+20.3
1900	7.19	+10.2	+8.2	+185	+202	+17.0	+17.8	+17.9	+17.3
2000	7.19	+12.8	+11.4	+177	+187	+17.0	+17.0	+17.0	+15.7
2100	7.19	+17.1	+11.1	+177	+174	+16.2	+16.1	+16.0	+13.2
2200	7.19	+3.0	+3.3	+176	+186	+16.4	+16.2	+15.5	+12.3
2300	7.19	+8.2	+6.2	+163	+152	+15.7	+12.2	+11.2	+10.3
MAX.		+33.5	+20.9	+248	+252	+21.9	+22.5	+23.4	+33.0
MIN.		+3.0	+3.3	+99	+99	+10.0	+11.2	+11.2	+10.3
AVG.	1.69	+15.8	+12.0	+188	+192	+17.2	+17.2	+17.3	+18.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (269) 26 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+10.9	+6.3	+163	+185	+14.5	+13.4	+13.1	+10.0
100	7.19	+11.3	+7.9	+182	+217	+13.4	+11.5	+11.2	+8.8
200	7.19	+12.0	+7.5	+212	+224	+12.0	+11.0	+10.6	+8.3
300	7.19	+12.8	+6.4	+219	+225	+12.8	+10.0	+9.2	+7.5
400	7.19	+7.8	+1.5	+217	+207	+10.8	+8.5	+8.1	+6.5
500	7.19	+10.8	+5.8	+201	+204	+9.8	+7.4	+7.1	+6.0
600	7.19	+8.3	+4.1	+188	+221	+11.2	+7.3	+6.8	+5.3
700	7.19	+7.8	+3.4	+194	+219	+9.8	+6.8	+6.2	+4.8
800	7.19	+6.0	+2.8	+195	+212	+7.1	+7.1	+7.1	+4.8
900	7.19	+0.6	+0.4	+179	+191	+14.2	+14.5	+15.0	+13.2
1000	7.19	+1.3	+1.3	+239	+18	+14.9	+15.8	+16.6	+21.1
1100	7.19	+2.3	+1.9	+52	+83	+16.7	+17.3	+18.1	+28.6
1200	7.19	+6.6	+6.9	+56	+57	+16.5	+16.9	+18.4	+34.2
1300	7.19	+4.3	+3.4	+31	+49	+18.5	+19.9	+21.6	+37.8
1400	7.19	+5.7	+4.9	+318	+326	+19.4	+19.4	+20.7	+38.6
1500	7.19	+7.9	+7.5	+336	+351	+20.3	+20.9	+22.5	+39.7
1600	7.19	+4.2	+2.9	+70	+90	+20.5	+21.6	+22.8	+36.7
1700	7.19	+8.1	+6.6	+94	+93	+12.5	+17.6	+16.7	+31.5
1800	7.19	+7.5	+7.2	+30	+16	+18.7	+19.5	+19.8	+22.5
1900	7.19	+8.5	+5.1	+52	+53	+18.4	+17.9	+17.5	+17.9
2000	7.19	+5.6	+2.1	+55	+61	+17.0	+16.2	+14.6	+14.2
2100	7.19	+3.7	+0.8	+81	+103	+16.4	+14.6	+13.2	+12.2
2200	7.19	+2.9	+2.7	+106	+169	+15.3	+14.2	+11.8	+10.9
2300	7.19	+8.2	+5.5	+312	+274	+16.2	+14.8	+12.2	+10.1
MAX.		+12.8	+7.9	+336	+351	+20.5	+21.6	+22.8	+39.7
MIN.		+0.6	+0.4	+30	+16	+7.1	+6.8	+6.2	+4.8
AVG.	0.00	+6.9	+4.4	+158	+160	+14.9	+14.3	+14.2	+18.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (270) 27 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+2.6	+3.4	+237	+155	+13.5	+12.6	+10.9	+8.8
100	7.19	+2.6	+4.1	+196	+210	+13.1	+11.0	+8.5	+7.6
200	7.19	+0.9	+3.8	+119	+194	+13.5	+11.5	+8.0	+7.0
300	7.19	+3.5	+4.3	+164	+204	+13.5	+11.1	+8.7	+6.6
400	7.19	+4.5	+4.6	+150	+207	+13.8	+9.5	+7.7	+6.2
500	7.19	+5.0	+4.7	+124	+208	+14.1	+9.9	+7.5	+5.8
600	7.19	+6.5	+5.0	+142	+214	+14.0	+8.1	+7.0	+5.5
700	7.19	+6.7	+5.0	+170	+225	+11.7	+7.2	+6.8	+5.1
800	7.19	+15.4	+10.6	+188	+209	+11.9	+7.8	+7.6	+5.4
900	7.19	+9.0	+8.6	+221	+208	+8.9	+10.8	+10.9	+11.6
1000	7.19	+8.3	+7.1	+287	+288	+10.4	+13.1	+14.6	+21.8
1100	7.19	+8.2	+7.9	+271	+260	+19.1	+19.7	+20.3	+29.8
1200	7.19	+6.4	+7.5	+324	+3	+19.5	+19.6	+20.7	+35.1
1300	7.19	+11.1	+11.0	+320	+341	+19.8	+20.4	+21.7	+38.4
1400	7.19	+6.6	+4.1	+302	+311	+21.6	+22.2	+23.0	+40.3
1500	7.19	+5.2	+4.3	+27	+49	+21.2	+22.7	+24.8	+40.8
1600	7.19	+9.6	+5.8	+43	+50	+21.0	+21.9	+23.2	+38.0
1700	7.19	+4.3	+3.8	+40	+71	+11.3	+17.4	+18.8	+33.0
1800	7.19	+7.8	+5.3	+54	+57	+21.0	+21.4	+21.7	+23.0
1900	7.19	+1.8	+2.0	+295	+287	+19.9	+19.5	+19.0	+18.4
2000	7.19	+11.4	+8.3	+210	+211	+19.4	+17.4	+15.9	+14.9
2100	7.19	+15.1	+11.2	+203	+207	+17.6	+15.9	+15.2	+13.3
2200	7.19	+15.0	+10.7	+192	+220	+15.4	+13.9	+13.5	+12.2
2300	7.19	+15.2	+11.7	+206	+199	+15.8	+13.6	+13.1	+11.3
MAX.		+15.4	+11.7	+324	+341	+21.6	+22.7	+24.8	+40.8
MIN.		+0.9	+2.0	+27	+3	+8.9	+7.2	+6.8	+5.1
AVG.	0.00	+7.6	+6.5	+187	+191	+15.9	+14.9	+14.5	+18.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (271) 28 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+7.0	+3.0	+244	+243	+15.9	+12.6	+12.1	+10.1
100	7.19	+5.4	+3.9	+319	+316	+17.3	+17.2	+14.7	+9.1
200	7.19	+4.9	+3.6	+176	+219	+12.7	+10.2	+10.0	+8.2
300	7.19	+6.0	+4.7	+185	+210	+16.3	+10.9	+9.9	+7.4
400	7.19	+3.6	+4.5	+180	+211	+16.0	+11.4	+10.0	+7.3
500	7.19	+3.5	+5.1	+195	+218	+15.8	+9.7	+9.1	+6.8
600	7.19	+3.3	+6.2	+221	+238	+14.4	+9.2	+8.8	+6.4
700	7.19	+7.7	+6.7	+205	+219	+14.8	+9.3	+8.7	+5.9
800	7.19	+3.7	+3.9	+148	+217	+11.4	+9.5	+8.9	+6.1
900	7.19	+6.3	+5.1	+197	+231	+14.4	+14.8	+15.2	+14.1
1000	7.19	+3.8	+4.7	+307	+300	+18.0	+18.0	+18.7	+23.1
1100	7.19	+5.3	+4.6	+251	+283	+19.2	+20.1	+21.0	+30.3
1200	7.19	+4.7	+5.5	+294	+303	+19.3	+19.9	+21.3	+36.4
1300	7.19	+3.7	+3.6	+157	+172	+23.0	+22.7	+23.8	+40.7
1400	7.19	+2.9	+3.5	+285	+312	+23.3	+23.8	+25.1	+42.4
1500	7.19	+6.7	+6.7	+314	+331	+22.3	+22.9	+24.0	+41.4
1600	7.19	+8.8	+6.6	+27	+32	+21.6	+22.1	+23.2	+39.1
1700	7.19	+8.3	+8.3	+54	+48	+21.4	+21.6	+22.7	+33.4
1800	7.19	+9.1	+7.8	+14	+2	+20.8	+21.0	+21.2	+23.8
1900	7.19	+6.7	+3.3	+52	+51	+16.9	+18.1	+17.5	+18.6
2000	7.19	+6.3	+3.9	+141	+172	+18.1	+16.7	+16.1	+15.2
2100	7.19	+6.7	+4.2	+164	+185	+17.1	+16.1	+15.6	+13.3
2200	7.19	+13.9	+8.9	+204	+215	+16.4	+13.9	+13.4	+12.3
2300	7.19	+13.6	+12.0	+192	+205	+16.0	+13.9	+13.5	+11.7
MAX.		+13.9	+12.0	+319	+331	+23.3	+23.8	+25.1	+42.4
MIN.		+2.9	+3.0	+14	+2	+11.4	+9.2	+8.7	+5.9
AVG.	0.00	+6.3	+5.4	+189	+206	+17.6	+16.1	+16.0	+19.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (272) 29 SEP. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+20.3	+17.5	+264	+266	+13.4	+13.1	+12.8	+10.8
100	7.19	+15.7	+7.5	+201	+204	+15.8	+12.0	+11.5	+9.8
200	7.19	+17.7	+14.3	+196	+213	+14.4	+11.5	+11.1	+9.3
300	7.19	+14.8	+10.7	+201	+221	+13.2	+10.9	+10.4	+8.6
400	7.19	+9.8	+4.1	+195	+261	+12.3	+9.4	+8.4	+7.4
500	7.19	+10.5	+3.6	+190	+201	+13.9	+9.0	+8.1	+6.7
600	7.19	+10.8	+3.2	+191	+230	+13.1	+8.4	+7.3	+5.9
700	7.19	+9.5	+3.9	+194	+235	+10.5	+8.2	+7.7	+5.6
800	7.19	+11.3	+7.2	+193	+209	+14.0	+10.5	+10.2	+6.8
900	7.19	+8.6	+6.7	+190	+199	+16.0	+16.2	+16.7	+14.9
1000	7.19	+4.0	+2.3	+166	+184	+20.2	+21.3	+22.2	+24.0
1100	7.19	+2.7	+1.6	+200	+240	+22.7	+23.6	+24.8	+32.1
1200	7.19	+5.6	+4.9	+241	+259	+23.0	+23.9	+25.5	+37.5
1300	7.19	+12.6	+14.9	+321	+334	+21.9	+22.2	+23.7	+40.8
1400	7.19	+11.5	+7.6	+337	+309	+22.0	+23.6	+24.7	+41.7
1500	7.19	+4.3	+4.4	+301	+281	+16.9	+21.1	+22.5	+39.9
1600	7.19	+9.0	+10.7	+317	+321	+22.6	+23.1	+24.0	+39.0
1700	7.19	+7.0	+7.1	+24	+45	+23.0	+23.2	+23.8	+34.4
1800	7.19	+10.9	+9.0	+50	+66	+17.4	+19.6	+18.9	+23.6
1900	7.19	+5.4	+3.1	+121	+137	+21.0	+20.7	+20.3	+20.5
2000	7.19	+14.3	+8.0	+182	+174	+16.6	+16.2	+13.4	+14.2
2100	7.19	+12.9	+8.1	+178	+179	+13.8	+14.1	+11.9	+11.6
2200	7.19	+16.4	+10.6	+181	+193	+17.4	+15.9	+15.2	+13.4
2300	7.19	+16.2	+9.4	+192	+211	+17.2	+14.8	+14.1	+12.5
MAX.		+20.3	+17.5	+337	+334	+23.0	+23.9	+25.5	+41.7
MIN.		+2.7	+1.6	+24	+45	+10.5	+8.2	+7.3	+5.6
AVG.	0.00	+10.9	+7.5	+201	+216	+17.2	+16.4	+16.2	+19.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (273) 30 SEP. '79

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

	DAY 244		DAY 245		TIME	DAY 246		DAY 247	
	[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
	2.1	4.2	2.0	2.6	0	1.6	2.0	1.0	1.3
	0.9	3.1	3.5	4.5	100	1.6	2.0	1.3	1.9
	2.3	3.4	1.4	2.0	200	1.8	2.5	1.8	2.9
	2.7	3.9	0.5	1.3	300	1.3	2.1	2.4	3.2
	3.1	4.3	2.1	2.5	400	2.7	3.0	2.6	3.1
	4.5	6.2	3.0	3.6	500	2.7	4.1	2.9	3.5
	4.1	4.9	2.1	2.7	600	3.1	3.5	3.5	4.1
	4.2	4.8	2.0	2.6	700	1.5	2.3	2.7	3.6
	1.3	1.2	0.8	0.8	800	0.0	-0.1	0.2	0.3
	-0.5	-1.1	-0.4	-1.0	900	-0.5	-1.1	-0.4	-1.2
	-9.7	%-16.2	-0.4	-1.7	1000	-0.4	-1.2	%-11.4	%-
16.1	-8.4	%-12.7	-0.8	-2.5	1100	-1.1	-2.7	-0.9	-2.5
	-0.7	-2.0	-1.0	-2.6	1200	-0.9	-2.5	-5.7	-8.5
	-0.2	-1.4	-0.9	-2.7	1300	-1.3	-3.4	-0.6	-2.9
	-1.3	-3.6	-1.4	-3.4	1400	%-10.8	%-16.6	-1.5	-3
.5	-1.0	-1.8	-0.7	-2.0	1500	-1.0	-2.7	-0.8	-2.3
	%-14.7	%-18.9	-0.6	-2.0	1600	-1.1	-2.8	-1.4	-3
.4	-0.5	-2.3	-0.6	-1.9	1700	-0.7	-2.1	-1.0	-2.4
	-0.8	-1.9	-0.5	-1.3	1800	-0.5	-1.4	-0.6	-1.5
	-0.2	-0.5	-0.4	-0.6	1900	-0.2	-0.4	-0.3	-0.4
	0.8	1.2	0.8	2.3	2000	0.5	1.0	%-11.5	%-1.8
.5	2.0	3.1	2.5	3.7	2100	1.1	1.6	2.7	3.5
	2.1	3.4	2.2	3.2	2200	1.1	1.7	2.8	2.5
	1.4	1.7	2.0	2.9	2300	1.4	2.1	2.9	3.3

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

	DAY 248		DAY 249		TIME	DAY 250		DAY 251	
	[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
	1.4	1.7	3.2	3.7	0	3.7	4.3	2.1	2.6
	5.2	5.7	1.7	2.2	100	4.3	4.9	1.6	1.9
	2.3	2.8	2.4	3.1	200	3.6	4.1	2.1	2.5
	5.9	6.5	2.6	3.0	300	4.4	5.0	1.3	1.6
	2.1	3.1	3.4	4.3	400	1.7	2.2	1.9	2.6
	3.5	4.9	4.0	4.5	500	5.2	6.1	3.2	3.8
	4.5	6.5	5.5	6.0	600	6.2	7.2	2.9	3.4
	4.5	5.0	4.7	5.7	700	4.4	5.2	2.6	3.0
	0.2	0.2	0.1	0.1	800	1.6	1.7	0.7	0.8
	-9.6	%-13.3	-0.4	-1.0	900	-0.5	-1.2	0.1	-0.2
	%-10.0	%-11.7	-0.1	-0.9	1000	-0.7	-1.9	-0.3	-1
.1	0.2	-0.8	-0.5	-1.5	1100	-0.1	-1.5	-0.8	-2.1
	-0.6	-1.8	-0.6	-1.8	1200	%-18.6	%-28.0	-0.5	-1
.7	-0.8	-2.2	-1.0	-2.3	1300	-0.3	-0.9	%-13.8	%-19
.8	-0.3	-1.6	%-14.5	%-21.4	1400	-1.1	-2.1	-0.6	-1
.4	0.1	-0.7	-8.9	%-13.7	1500	-1.5	-3.4	-0.8	-2.2
	-0.9	-1.5	-0.4	-1.5	1600	-4.0	-6.6	-1.2	-2.9
	-1.3	-2.6	-0.5	-1.3	1700	-0.8	-2.4	-1.0	-2.3
	-0.6	-1.1	-0.5	-0.8	1800	%-12.3	%-17.4	-0.3	-0
.8	-0.2	-0.5	-0.1	-0.2	1900	-0.2	-0.5	-0.1	-0.2
	1.3	2.5	2.0	2.9	2000	-9.4	%-14.2	%-11.3	%-
16.4	1.6	2.8	1.9	2.3	2100	2.1	3.1	1.1	1.6
	4.2	5.1	1.0	1.8	2200	1.6	2.2	1.3	1.7
	4.5	5.1	2.7	3.3	2300	1.8	2.3	1.4	1.8

[DELTAS ARE 100'-33' AND 100'-10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

	DAY 252		DAY 253		TIME	DAY 254		DAY 255	
	[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
	0.8	1.4	1.2	1.6	0	0.7	1.4	0.9	1.3
	1.8	2.3	0.5	1.0	100	3.1	3.7	0.8	1.3
	1.1	1.8	0.3	0.4	200	2.2	2.7	2.1	3.1
	2.9	4.1	0.0	0.1	300	1.0	3.2	2.0	2.9
	2.1	3.1	0.2	0.2	400	2.5	3.3	2.0	3.2
	3.6	4.9	0.1	0.3	500	4.3	4.8	1.1	5.3
	2.7	3.3	0.2	0.3	600	2.2	2.9	3.2	5.1
	0.4	0.6	0.3	0.5	700	3.1	3.4	1.5	5.3
	0.2	0.3	0.3	0.1	800	%-10.0	%-16.5	-4.7	-5
.9	-0.6	-1.4	%-14.9	%-22.9	900	-0.3	-0.6	-0.2	-1
.7	-0.4	-1.3	-0.4	-1.5	1000	-0.4	-1.0	-2.3	-4.8
	-0.4	-1.1	-1.1	-3.3	1100	-0.1	-1.1	-1.1	-3.0
	-1.3	-3.3	-0.7	-2.3	1200	-1.4	-2.9	-6.2	-9.9
	-0.7	-1.8	-0.2	-1.6	1300	-0.9	-2.3	-1.2	-3.3
	-0.8	-1.8	-0.9	-3.3	1400	%-17.0	%-25.1	-1.1	-2
.4	-1.0	-2.2	%-15.4	%-22.5	1500	-0.5	-1.2	-0.8	-1
.7	-0.3	-0.7	-0.9	-2.3	1600	-0.7	-1.8	%-12.9	%-21
.1	-0.2	-0.3	-0.6	-1.7	1700	-0.3	-0.9	-0.9	-1.7
	-0.2	-0.5	-0.3	-0.6	1800	%-16.4	%-26.9	-0.5	-1
.1	0.1	0.0	%-20.9	%-28.4	1900	-0.2	-0.3	-0.1	-0
.2	0.2	0.0	%-13.3	%-18.6	2000	0.4	0.7	1.0	3
.0	0.2	0.4	0.1	1.0	2100	0.1	0.0	-5.0	-7.7
	0.4	0.7	1.0	1.3	2200	0.5	0.8	0.4	2.6
	1.0	1.5	0.8	1.3	2300	1.9	3.5	3.3	4.0

189
[DELTAS ARE 100'-33' AND 100'-10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 256		DAY 257		TIME	DAY 258	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]
4.2	4.5	0.3	0.4	0	3.0	4.8
2.1	2.6	-0.1	0.0	100	2.0	3.6
2.7	3.5	0.4	1.0	200	3.2	3.7
2.7	3.3	0.4	0.7	300	0.7	1.3
3.5	3.9	0.7	1.0	400	4.0	5.2
1.7	2.1	0.4	0.6	500	4.5	5.7
4.0	4.3	0.7	1.1	600	5.2	5.9
3.8	4.5	0.2	1.0	700	5.7	5.8
1.1	1.0	-0.3	-0.6	800	1.3	1.4
-0.2	-0.4	-0.5	-1.3	900	0.2	-0.3
-0.8	-2.5	-0.3	-1.2	1000	-4.0	-6.7
-0.3	-1.2	-0.4	-1.7	1100	0.0	-0.8
-0.5	-1.6	-0.8	-1.9	1200	-0.8	-2.1
-1.2	-2.2	-0.6	-1.8	1300	-0.7	-3.3
-0.7	-1.8	-0.8	-2.1	1400	-0.9	-1.7
-0.6	-1.8	-0.6	-2.0	1500	-0.5	-1.7
-1.0	-2.4	-1.1	-2.5	1600	-0.3	-1.4
-0.6	-1.6	-0.3	-1.6	1700	-0.4	-1.4
-0.3	-0.7	-0.4	-1.0	1800	-0.2	-0.7
-0.1	-0.3	%-13.9	%-20.5	1900	-0.1	0.0
-0.2	-0.2	0.9	2.3	2000	0.7	3.2
0.0	0.1	1.7	4.2	2100	0.7	3.5
0.0	0.1	1.0	3.8	2200	0.8	2.6
0.0	0.1	0.8	1.7	2300	2.5	2.9

[DELTAS ARE 100'-33' AND 100'-10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 259		DAY 260		TIME	DAY 261		DAY 262	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
3.6	4.4	5.4	6.0	0	3.9	4.7	1.2	1.6
3.0	3.6	2.8	3.7	100	2.2	4.5	1.2	1.5
4.6	5.2	4.0	4.4	200	3.3	4.0	0.6	0.9
5.2	5.6	5.5	6.0	300	2.7	3.2	0.7	1.2
4.8	5.5	5.9	6.4	400	3.1	4.0	0.7	1.2
3.4	4.0	4.8	5.0	500	2.9	3.6	1.1	1.7
5.6	6.6	2.9	3.6	600	2.6	3.7	0.2	0.4
5.5	6.3	5.4	6.2	700	3.7	4.1	0.1	0.2
3.2	3.5	1.6	0.2	800	1.8	1.9	-0.2	-0.4
-0.4	-0.8	-0.3	-0.8	900	-2.9	-4.7	-0.4	-0.9
-0.3	-1.1	2.9	-1.2	1000	-0.6	-1.3	-0.6	-1.6
-0.8	-2.5	-0.7	-1.7	1100	-0.4	-1.6	-0.5	-1.7
-1.3	-2.8	-0.7	-1.5	1200	-0.7	-1.3	-1.4	-3.0
-0.4	-1.7	-0.8	-1.9	1300	-1.0	-2.3	-1.2	-3.0
-1.3	-1.8	-0.7	-2.4	1400	-1.7	-3.1	-0.6	-1.7
-6.9	-10.1	-0.5	-2.2	1500	-1.6	-3.0	-1.6	-2.2
-0.6	-1.7	-0.6	-1.8	1600	-0.6	-1.5	-0.3	-0.9
-0.4	-1.2	-0.6	-1.6	1700	-1.6	-2.3	-0.8	-1.4
-0.6	-0.5	-0.3	-0.8	1800	-0.1	-0.3	-0.2	-0.5
-0.2	-0.1	0.1	0.2	1900	0.0	0.0	0.0	0.1
0.9	5.0	0.8	1.8	2000	0.7	0.9	0.8	1.5
1.2	5.7	1.2	2.1	2100	1.4	2.0	1.5	2.3
1.0	3.6	1.0	1.7	2200	2.2	2.5	1.9	2.1
3.2	5.6	2.7	3.3	2300	0.8	1.4	1.3	2.0

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 263		DAY 264		TIME	DAY 265		DAY 266	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.2	2.4	1.4	1.7	0	0.8	1.0	2.0	2.3
1.7	2.1	2.8	4.7	100	0.9	1.1	2.1	2.4
1.8	2.0	3.9	4.2	200	0.5	0.9	1.1	1.4
0.9	2.5	1.8	2.3	300	0.8	1.2	0.6	0.9
4.5	4.6	1.3	1.5	400	0.9	1.2	1.0	1.4
1.9	2.4	0.6	0.9	500	1.2	1.5	1.7	2.4
1.2	2.0	1.2	1.6	600	1.1	1.5	1.3	1.6
0.9	0.9	3.2	3.9	700	0.3	0.5	2.9	3.2
0.7	1.2	1.1	1.4	800	0.3	0.4	0.1	-0.1
-0.3	-0.6	-0.3	-1.0	900	-0.3	-0.4	-0.4	-1.0
-0.8	-1.2	-0.5	-1.3	1000	-0.9	-2.2	-1.0	-2.0
-1.7	-2.6	-1.0	-1.8	1100	-0.2	-0.9	-1.1	-2.4
-1.4	-2.5	-0.8	-2.2	1200	-0.9	-2.2	-0.7	-2.0
-0.5	-1.4	-0.7	-1.6	1300	-0.4	-1.4	-1.1	-2.2
-1.2	-2.6	-2.4	-4.4	1400	-0.9	-1.8	-1.3	-2.9
-0.6	-1.5	-2.0	-2.4	1500	-0.5	-1.9	-1.0	-2.8
-1.6	-3.0	-0.1	-0.6	1600	-0.7	-2.1	-0.6	-2.2
-1.0	-2.1	-2.7	-3.8	1700	-0.5	-1.7	-0.4	-1.5
-1.8	-1.9	-0.6	-1.2	1800	-0.5	-1.1	-0.4	-1.0
0.1	0.4	0.0	-0.1	1900	0.2	0.3	0.1	0.3
1.0	1.1	0.4	0.7	2000	1.1	1.9	0.5	1.1
1.1	1.6	0.3	0.6	2100	0.7	1.4	1.1	1.5
2.0	2.3	0.7	1.2	2200	2.4	2.6	1.3	1.7
1.8	2.1	1.4	1.8	2300	2.1	2.4	1.6	2.4

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 267		DAY 268		TIME	DAY 269		DAY 270	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.9	1.4	3.5	4.5	0	0.6	1.0	1.1	1.4
1.8	2.2	2.4	3.3	100	0.7	1.0	1.9	2.2
1.4	1.8	2.7	3.0	200	0.4	0.9	1.0	1.4
1.4	1.7	2.5	3.0	300	0.1	0.1	2.8	3.6
0.5	1.0	3.7	4.5	400	0.2	0.3	2.3	2.7
3.3	3.7	2.6	3.4	500	0.2	0.6	2.4	2.7
2.1	2.6	1.5	1.9	600	0.1	0.3	3.9	4.4
3.3	3.8	0.8	1.1	700	0.8	1.7	3.0	3.6
1.6	2.0	0.5	0.7	800	-1.2	-1.2	0.0	0.0
-1.4	-2.1	-1.5	-1.4	900	0.0	0.1	-0.3	-0.8
-1.1	-2.2	-3.7	-5.3	1000	-0.6	-1.4	-0.9	-1.7
-1.1	-2.5	-0.3	-0.6	1100	-1.0	-1.8	-0.6	-1.4
-1.2	-3.2	-0.6	-1.8	1200	-0.9	-2.5	-0.4	-1.9
-1.4	-3.1	-0.6	-1.4	1300	-0.8	-2.1	-1.4	-3.1
-0.4	-1.4	-0.4	-1.0	1400	-0.8	-1.8	0.0	-1.3
-2.8	-3.5	-0.9	-1.8	1500	-0.6	-1.5	-0.6	-2.2
-0.5	-1.2	-0.4	-1.1	1600	-0.5	-1.3	-1.1	-2.3
-0.7	-1.9	-0.4	-0.9	1700	-0.4	-0.9	-5.1	-4.2
-1.5	-1.8	-0.3	-0.7	1800	-0.6	-0.6	-0.8	-1.1
0.3	0.4	0.0	-0.1	1900	-0.8	-0.9	0.5	0.9
1.5	2.9	0.7	1.6	2000	0.0	0.0	0.8	2.4
0.9	1.8	1.0	0.1	2100	0.1	0.2	1.8	3.2
2.5	3.0	2.0	2.2	2200	0.2	0.9	1.1	3.5
1.6	2.4	1.3	1.9	2300	3.5	4.5	1.4	4.0

[DELTAS ARE 100' -33' AND 100' -10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 271		DAY 272		TIME	DAY 273	
[-33] [-10]		[-33] [-10]			[-33] [-10]	
0.9	2.6	3.3	3.8	0	0.3	0.6
2.1	4.6	0.1	2.6	100	3.8	4.3
2.0	5.5	2.5	2.7	200	2.9	3.3
2.4	4.8	5.4	6.4	300	2.3	2.8
4.3	6.1	4.6	6.0	400	2.9	3.9
4.2	6.6	6.1	6.7	500	4.9	5.8
5.9	7.0	5.2	5.6	600	4.7	5.8
4.5	4.9	5.5	6.1	700	2.3	2.8
4.1	4.3	1.9	2.5	800	3.5	3.8
-1.9	-2.0	-0.4	-0.8	900	-0.2	-0.7
-2.7	-4.2	0.0	-0.7	1000	-1.1	-2.0
-0.6	-1.2	-0.9	-1.8	1100	-0.9	-2.1
-0.1	-1.2	-0.6	-2.0	1200	-0.9	-2.5
-0.6	-1.9	0.3	-0.8	1300	-0.3	-1.8
-0.6	-1.4	-0.5	-1.8	1400	-1.6	-2.7
-1.5	-3.6	-0.6	-1.7	1500	-4.2	-5.6
-0.9	-2.2	-0.5	-1.6	1600	-0.5	-1.4
-6.1	-7.5	-0.2	-1.3	1700	-0.2	-0.8
-0.4	-0.7	-0.2	-0.4	1800	-2.2	-1.5
0.4	0.9	-1.2	-0.6	1900	0.3	0.7
2.0	3.5	1.4	2.0	2000	0.4	3.2
1.7	2.4	1.0	1.5	2100	-0.3	1.9
1.5	1.9	2.5	3.0	2200	1.5	2.2
2.2	2.7	2.1	2.5	2300	2.4	3.1

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station #1

1 OCTOBER 1979 through 30 OCTOBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

13 APR 80
James B. Mershon, Vice Pres.

PRECIPITATION RECORDINGS

1 OCTOBER 1979 through 30 OCTOBER 1979

DAY	287	(14 OCTOBER)	-	.50"	1800 hrs.
DAY	293	(20 OCTOBER)	-	.11"	0600 - 1300
DAY	294	(21 OCTOBER)	-	.22"	1200 - 1700
DAY	295	(22 OCTOBER)	-	.05"	1100 - 1400
DAY	297	(24 OCTOBER)	-	.02"	2000
DAY	302	(29 OCTOBER)	-	.05"	0000

.95" TOTAL FOR PERIOD.

PERFROMANCE EVALUATION

100% data retrieval accomplished except for occasional error on temperature channels. This is due to radio interference and was corrected on Day 304 when the system was relocated to a new tower site.

GEOKINETICS MET STATION 1
WIND ROSE VALUES

100' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
9	6	8	11	(34)	N	1	10	9	8	(28)	
2	17	19	16	(54)	N N E	2	26	21	9	(58)	
2	19	17	6	(44)	N E	6	27	7	1	(41)	
11	15	8	1	(35)	E N E	12	4	3	1	(20)	
8	7	2	1	(18)	E	5	5	0	0	(10)	
2	4	2	0	(8)	E S E	3	4	1	0	(8)	
6	8	1	3	(18)	S E	6	1	0	1	(8)	
2	7	9	10	(28)	S S E	7	3	5	8	(23)	
1	11	50	90	(152)	S	10	23	24	29	(86)	
4	19	66	47	(136)	S S W	7	61	78	30	(176)	
3	11	17	11	(42)	S W	13	63	26	6	(108)	
3	14	8	5	(30)	W S W	1	20	4	4	(29)	
5	10	8	3	(26)	W	3	19	9	3	(34)	
3	14	19	3	(39)	W N W	3	15	9	0	(27)	
4	17	16	3	(40)	N W	6	30	8	1	(45)	
1	18	12	3	(34)	N N W	7	16	10	4	(37)	

(66)(197)(262)(213)

(92)(327)(214)(105)

100' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
1.2	0.8	1.1	1.5	(4.6)	N	0.1	1.4	1.2	1.1	(3.8)	
0.3	2.3	2.6	2.2	(7.3)	N N E	0.3	3.5	2.8	1.2	(7.9)	
0.3	2.6	2.3	0.8	(6.0)	N E	0.8	3.7	0.9	0.1	(5.6)	
1.5	2.0	1.1	0.1	(4.7)	E N E	1.6	0.5	0.4	0.1	(2.7)	
1.1	0.9	0.3	0.1	(2.4)	E	0.7	0.7	0.0	0.0	(1.4)	
0.3	0.5	0.3	0.0	(1.1)	E S E	0.4	0.5	0.1	0.0	(1.1)	
0.8	1.1	0.1	0.4	(2.4)	S E	0.8	0.1	0.0	0.1	(1.1)	
0.3	0.9	1.2	1.4	(3.8)	S S E	0.9	0.4	0.7	1.1	(3.1)	
0.1	1.5	6.8	12.2	(20.6)	S	1.4	3.1	3.3	3.9	(11.7)	
0.5	2.6	8.9	6.4	(18.4)	S S W	0.9	8.3	10.6	4.1	(23.8)	
0.4	1.5	2.3	1.5	(5.7)	S W	1.8	8.5	3.5	0.8	(14.6)	
0.4	1.9	1.1	0.7	(4.1)	W S W	0.1	2.7	0.5	0.5	(3.9)	
0.7	1.4	1.1	0.4	(3.5)	W	0.4	2.6	1.2	0.4	(4.6)	
0.4	1.9	2.6	0.4	(5.3)	W N W	0.4	2.0	1.2	0.0	(3.7)	
0.5	2.3	2.2	0.4	(5.4)	N W	0.8	4.1	1.1	0.1	(6.1)	
0.1	2.4	1.6	0.4	(4.6)	N N W	0.9	2.2	1.4	0.5	(5.0)	

(8.9)(26.7)(35.5)(28.9)

(12.5)(44.3)(29.0)(14.2)

FROM 274 0 THRU 304 1500

FOR 738 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+15.3	+10.7	+208	+224	+16.2	+14.0	+13.5	+11.6
100	7.19	+9.7	+5.4	+211	+221	+14.4	+12.7	+12.2	+10.2
200	7.19	+11.2	+4.7	+212	+230	+12.8	+10.8	+9.9	+9.2
300	7.19	+11.0	+4.6	+206	+243	+11.9	+10.4	+10.0	+8.7
400	7.19	+6.5	+3.7	+197	+232	+12.8	+9.6	+8.9	+7.7
500	7.19	+10.2	+4.2	+209	+242	+12.3	+9.3	+8.4	+7.1
600	7.19	+10.5	+5.9	+208	+228	+9.9	+8.8	+8.3	+6.7
700	7.19	+11.1	+5.8	+213	+216	+10.7	+7.8	+7.5	+6.2
800	7.19	+7.1	+4.7	+191	+217	+11.3	+9.4	+9.3	+6.9
900	7.19	+6.2	+7.2	+223	+229	+7.6	+10.1	+10.6	+10.7
1000	7.19	+2.8	+3.7	+143	+106	+16.9	+19.0	+20.4	+23.3
1100	7.19	+6.6	+4.8	+47	+53	+19.2	+21.4	+23.4	+31.1
1200	7.19	+2.8	+2.2	+31	+349	+21.8	+22.1	+23.1	+37.6
1300	7.19	+4.0	+4.4	+38	+51	+21.9	+22.1	+23.3	+41.6
1400	7.19	+4.7	+3.2	+58	+27	+20.4	+22.0	+23.7	+42.9
1500	7.19	+10.6	+10.7	+288	+286	+23.1	+23.8	+24.8	+41.5
1600	7.19	+15.9	+14.9	+326	+329	+22.5	+23.5	+24.6	+38.1
1700	7.19	+7.7	+7.7	+7	+4	+15.8	+20.3	+21.2	+31.6
1800	7.19	+2.7	+3.6	+256	+251	+19.8	+21.8	+21.2	+22.6
1900	7.19	+2.7	+2.2	+206	+188	+17.6	+18.2	+15.9	+16.8
2000	7.19	+12.0	+6.9	+186	+192	+16.3	+15.4	+13.0	+11.8
2100	7.19	+16.5	+8.3	+201	+205	+14.9	+13.1	+13.0	+12.1
2200	7.19	+16.0	+14.6	+199	+202	+17.5	+16.2	+15.6	+13.6
2300	7.19	+16.5	+10.7	+196	+207	+17.1	+15.2	+14.6	+12.8
MAX.		+16.5	+14.9	+326	+349	+23.1	+23.8	+24.8	+42.9
MIN.		+2.7	+2.2	+7	+4	+7.6	+7.8	+7.5	+6.2
AVG.	0.00	+9.2	+6.5	+178	+197	+16.0	+15.7	+15.7	+19.3
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (274) 1 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+9.5	+8.8	+235	+255	+15.3	+14.6	+13.4	+11.8
100	7.19	+8.9	+6.4	+204	+215	+16.5	+15.1	+12.6	+10.3
200	7.19	+16.7	+11.5	+191	+201	+15.9	+13.8	+13.0	+10.3
300	7.19	+17.6	+13.2	+199	+199	+15.9	+14.3	+13.6	+10.5
400	7.19	+10.6	+7.5	+215	+225	+15.1	+12.0	+10.5	+9.4
500	7.19	+14.5	+7.7	+206	+220	+15.1	+12.5	+11.8	+9.1
600	7.19	+14.2	+9.4	+201	+212	+15.8	+12.6	+11.8	+8.7
700	7.19	+14.0	+10.3	+197	+199	+15.9	+12.5	+12.0	+8.6
800	7.19	+15.1	+10.7	+200	+205	+16.2	+13.4	+13.0	+9.6
900	7.19	+10.8	+10.0	+222	+207	+13.6	+14.9	+14.0	+13.1
1000	7.19	+10.1	+10.5	+210	+214	+20.5	+21.0	+21.9	+23.5
1100	7.19	+14.2	+13.0	+292	+275	+19.8	+21.0	+21.2	+30.0
1200	7.19	+16.0	+15.7	+261	+263	+23.0	+24.6	+26.3	+34.6
1300	7.19	+22.5	+22.3	+249	+253	+24.2	+25.0	+26.5	+36.7
1400	7.19	+15.6	+11.3	+313	+315	+17.9	+20.0	+19.9	+30.3
1500	7.19	+12.1	+12.4	+299	+321	+23.8	+24.0	+25.3	+35.4
1600	7.19	+17.5	+8.2	+267	+266	+24.3	+25.3	+26.2	+33.1
1700	7.19	+14.2	+13.4	+278	+278	+23.2	+23.6	+24.0	+29.8
1800	7.19	+7.9	+5.4	+300	+270	+22.6	+22.7	+22.8	+23.1
1900	7.19	+11.7	+7.5	+290	+293	+21.3	+21.1	+21.0	+19.5
2000	7.19	+5.3	+4.3	+244	+223	+15.5	+17.0	+17.1	+14.7
2100	7.19	+4.8	+3.5	+273	+277	+18.0	+17.0	+16.3	+14.1
2200	7.19	+10.8	+5.5	+268	+242	+17.4	+16.3	+14.9	+13.0
2300	7.19	+6.6	+5.6	+207	+188	+16.8	+16.0	+14.9	+11.7
MAX.		+22.5	+22.3	+313	+321	+24.3	+25.3	+26.5	+36.7
MIN.		+4.8	+3.5	+99	+99	+13.6	+12.0	+10.5	+8.6
AVG.	0.00	+12.6	+9.8	+243	+242	+18.5	+17.9	+17.7	+18.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (275) 2 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+9.4	+5.9	+252	+245	+17.5	+15.5	+13.6	+11.5
100	7.19	+10.6	+5.6	+221	+229	+16.6	+12.6	+11.7	+10.5
200	7.19	+10.9	+5.9	+250	+238	+16.2	+13.8	+12.6	+9.8
300	7.19	+8.9	+6.1	+227	+222	+14.9	+12.0	+11.6	+9.4
400	7.19	+0.7	+1.9	+153	+187	+14.6	+13.4	+9.8	+7.9
500	7.19	+7.5	+3.7	+41	+23	+14.8	+14.1	+13.0	+7.0
600	7.19	+10.3	+4.3	+11	+350	+13.5	+12.6	+10.9	+6.2
700	7.19	+2.7	+0.5	+35	+155	+12.0	+9.5	+8.4	+5.4
800	7.19	+10.5	+6.7	+55	+42	+4.8	+3.8	+2.8	+2.0
900	7.19	+2.0	+0.5	+120	+110	+12.1	+12.7	+13.2	+13.1
1000	7.19	+9.0	+4.8	+71	+76	+7.4	+11.2	+11.0	+18.5
1100	7.19	+11.5	+6.9	+31	+40	+14.3	+15.3	+16.8	+28.4
1200	7.19	+5.8	+6.3	+22	+349	+13.7	+15.6	+17.5	+33.5
1300	7.19	+4.9	+4.7	+85	+104	+18.1	+18.8	+19.7	+38.0
1400	7.19	+4.8	+6.7	+83	+81	+15.8	+16.8	+21.0	+33.9
1500	7.19	+11.1	+10.7	+58	+57	+15.3	+16.3	+14.7	+32.3
1600	7.19	+6.2	+4.5	+59	+54	+18.8	+20.0	+21.3	+36.7
1700	7.19	+9.4	+5.6	+66	+34	+14.5	+17.1	+14.7	+26.0
1800	7.19	+9.7	+6.1	+52	+44	+10.8	+14.0	+12.6	+14.2
1900	7.19	+11.1	+7.3	+37	+33	+16.8	+16.2	+15.7	+15.7
2000	7.19	+11.0	+6.3	+34	+28	+15.6	+14.7	+13.6	+12.4
2100	7.19	+11.6	+6.9	+35	+43	+14.4	+13.3	+12.4	+10.0
2200	7.19	+9.5	+3.4	+33	+46	+13.4	+12.0	+9.8	+8.3
2300	7.19	+5.9	+6.1	+206	+218	+12.4	+9.0	+8.1	+7.6
MAX.		+11.6	+10.7	+252	+350	+18.8	+20.0	+21.3	+38.0
MIN.		+0.7	+0.5	+11	+23	+4.8	+3.8	+2.8	+2.0
AVG.	0.00	+8.1	+5.3	+93	+125	+14.1	+13.8	+13.2	+16.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (276) 3 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+9.3	+4.2	+182	+221	+11.6	+8.0	+7.6	+6.9
100	7.19	+10.1	+5.1	+197	+198	+12.2	+8.0	+7.7	+6.2
200	7.19	+6.6	+3.3	+214	+241	+11.9	+7.3	+6.7	+5.5
300	7.19	+9.2	+5.9	+203	+202	+11.5	+6.1	+5.6	+4.9
400	7.19	+6.0	+3.8	+203	+225	+11.9	+6.1	+5.1	+4.3
500	7.19	+6.4	+5.2	+205	+220	+11.6	+5.8	+5.1	+3.9
600	7.19	+13.9	+7.4	+208	+224	+8.4	+5.7	+5.3	+3.7
700	7.19	+9.1	+3.9	+206	+233	+10.9	+5.7	+5.3	+3.1
800	7.19	+5.9	+3.4	+297	+283	+11.3	+9.6	+7.3	+3.7
900	7.19	+2.6	+1.1	+299	+225	+11.6	+12.2	+12.5	+11.3
1000	7.19	+4.7	+3.9	+304	+290	+7.6	+9.8	+14.7	+18.1
1100	7.19	+0.2	+2.6	+93	+135	+17.6	+16.8	+17.7	+27.8
1200	7.19	+3.1	+1.6	+24	+39	+18.3	+18.7	+19.8	+34.8
1300	7.19	+2.9	+1.4	+3	+48	+19.9	+21.5	+23.4	+37.6
1400	7.19	+6.2	+5.7	+306	+339	+20.6	+21.1	+22.1	+39.7
1500	7.19	+6.5	+4.1	+71	+318	+21.8	+22.0	+23.0	+39.6
1600	7.19	+5.5	+5.7	+286	+290	+17.9	+20.4	+21.9	+32.5
1700	7.19	+4.9	+4.4	+6	+14	+20.2	+20.0	+18.3	+21.2
1800	7.19	+4.0	+3.7	+45	+34	+20.5	+20.8	+21.1	+22.1
1900	7.19	+5.8	+5.3	+318	+319	+19.3	+19.1	+18.6	+18.2
2000	7.19	+1.7	+2.6	+278	+202	+10.7	+12.7	+11.1	+10.4
2100	7.19	+11.1	+7.6	+191	+213	+17.1	+14.1	+13.0	+12.0
2200	7.19	+13.1	+11.1	+209	+217	+16.9	+13.9	+13.5	+12.1
2300	7.19	+11.9	+7.2	+211	+203	+16.4	+12.4	+11.2	+10.1
MAX.		+13.9	+11.1	+318	+339	+21.8	+22.0	+23.4	+39.7
MIN.		+0.2	+1.1	+3	+14	+7.6	+5.7	+5.1	+3.1
AVG.	0.00	+6.7	+4.6	+190	+206	+14.9	+13.2	+13.2	+16.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (277) 4 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+13.4	+8.1	+218	+219	+15.8	+11.5	+10.4	+9.0
100	7.19	+7.2	+4.4	+247	+219	+14.9	+11.5	+10.6	+8.0
200	7.19	+7.3	+5.2	+211	+215	+14.7	+11.1	+10.1	+7.1
300	7.19	+6.3	+4.7	+216	+215	+14.2	+9.8	+8.7	+6.8
400	7.19	+8.4	+6.8	+203	+203	+13.6	+8.8	+8.0	+6.0
500	7.19	+6.4	+3.7	+276	+209	+13.5	+8.3	+7.1	+5.0
600	7.19	+7.8	+6.9	+209	+221	+13.1	+8.3	+7.3	+4.1
700	7.19	+11.9	+5.6	+223	+213	+12.7	+7.2	+6.9	+4.0
800	7.19	+8.7	+5.4	+230	+241	+12.4	+8.9	+8.7	+4.7
900	7.19	+6.2	+5.0	+257	+270	+14.9	+15.2	+15.6	+12.5
1000	7.19	+10.1	+9.3	+264	+264	+16.5	+17.2	+17.8	+20.4
1100	7.19	+3.9	+3.0	+295	+296	+14.5	+16.5	+17.7	+26.3
1200	7.19	+4.8	+5.1	+317	+327	+20.0	+20.2	+21.3	+36.0
1300	7.19	+1.2	+2.6	+259	+204	+23.7	+23.8	+25.0	+40.1
1400	7.19	+7.5	+7.2	+307	+318	+21.8	+22.7	+23.7	+41.8
1500	7.19	+6.6	+4.5	+254	+288	+22.4	+23.6	+24.2	+40.9
1600	7.19	+2.8	+3.1	+297	+304	+23.3	+23.8	+24.9	+38.0
1700	7.19	+4.8	+4.9	+13	+353	+23.0	+23.2	+23.9	+32.4
1800	7.19	+2.2	+1.4	+7	+335	+17.2	+21.0	+22.5	+20.5
1900	7.19	+3.9	+1.8	+67	+80	+20.4	+18.9	+18.5	+16.4
2000	7.19	+4.6	+3.8	+137	+176	+16.8	+15.7	+16.0	+12.6
2100	7.19	+11.1	+6.8	+172	+190	+16.8	+15.7	+15.1	+11.9
2200	7.19	+12.9	+9.4	+184	+201	+16.1	+13.9	+13.3	+10.9
2300	7.19	+12.3	+7.6	+230	+233	+13.9	+12.3	+11.8	+9.7
MAX.		+13.4	+9.4	+317	+353	+23.7	+23.8	+25.0	+41.8
MIN.		+1.2	+1.4	+7	+80	+12.4	+7.2	+6.9	+4.0
AVG.	0.00	+7.2	+5.3	+212	+241	+16.9	+15.4	+15.4	+17.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (278) 5 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+5.8	+4.4	+242	+215	+15.3	+11.7	+10.4	+8.4
100	7.19	+7.1	+4.7	+171	+200	+13.7	+9.8	+9.0	+7.2
200	7.19	+8.1	+5.2	+186	+206	+15.8	+10.3	+9.2	+6.7
300	7.19	+5.3	+4.9	+185	+212	+15.2	+9.0	+8.3	+6.2
400	7.19	+7.5	+6.7	+204	+219	+14.8	+9.4	+8.8	+5.8
500	7.19	+2.7	+4.4	+93	+204	+13.0	+10.6	+7.3	+5.0
600	7.19	+5.5	+6.2	+162	+225	+13.6	+7.2	+6.7	+4.6
700	7.19	+5.6	+4.3	+192	+213	+14.3	+7.2	+6.3	+4.2
800	7.19	+13.6	+9.2	+192	+197	+12.7	+7.2	+7.0	+4.8
900	7.19	+13.2	+9.3	+203	+228	+13.0	+13.3	+13.7	+12.2
1000	7.19	+8.6	+8.3	+278	+268	+13.6	+14.8	+14.0	+18.8
1100	7.19	+4.7	+4.8	+336	+311	+15.0	+15.4	+14.6	+24.8
1200	7.19	+5.8	+4.0	+318	+289	+19.4	+20.1	+21.1	+34.3
1300	7.19	+4.0	+2.7	+265	+318	+22.5	+22.9	+24.0	+39.3
1400	7.19	+2.7	+2.9	+302	+304	+24.8	+25.2	+26.2	+42.4
1500	7.19	+9.4	+9.0	+34	+33	+22.7	+23.5	+24.6	+41.6
1600	7.19	+6.0	+6.0	+299	+319	+24.1	+24.7	+25.6	+38.1
1700	7.19	+9.7	+7.7	+313	+298	+23.3	+23.7	+24.3	+32.3
1800	7.19	+3.6	+2.7	+313	+309	+23.5	+23.7	+23.9	+22.8
1900	7.19	+7.2	+3.7	+182	+188	+21.0	+18.8	+18.3	+17.3
2000	7.19	+14.9	+9.4	+174	+201	+18.4	+17.6	+17.3	+14.4
2100	7.19	+14.2	+10.3	+201	+216	+14.6	+14.4	+15.1	+12.3
2200	7.19	+15.8	+10.7	+201	+204	+17.6	+14.9	+14.4	+12.5
2300	7.19	+14.9	+11.1	+202	+217	+17.5	+14.9	+14.4	+12.5
MAX.		+15.8	+11.1	+336	+319	+24.8	+25.2	+26.2	+42.4
MIN.		+2.7	+2.7	+34	+33	+12.7	+7.2	+6.3	+4.2
AVG.	0.00	+8.2	+6.4	+219	+233	+17.5	+15.4	+15.2	+17.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (279) 6 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+12.4	+8.8	+202	+215	+17.8	+14.8	+14.1	+12.9
100	7.19	+10.6	+5.3	+197	+203	+17.8	+13.7	+12.9	+11.0
200	7.19	+10.4	+5.1	+199	+225	+17.7	+12.4	+11.4	+9.4
300	7.19	+10.7	+5.1	+196	+216	+17.0	+11.9	+11.0	+8.4
400	7.19	+13.3	+8.2	+196	+219	+16.4	+11.5	+10.9	+7.9
500	7.19	+14.7	+8.9	+192	+208	+16.1	+10.8	+10.3	+7.6
600	7.19	+14.9	+6.4	+189	+207	+16.2	+11.3	+10.3	+7.1
700	7.19	+11.8	+7.3	+191	+210	+14.4	+10.4	+9.9	+6.6
800	7.19	+14.3	+7.6	+186	+207	+14.7	+11.4	+10.9	+7.1
900	7.19	+5.7	+3.0	+193	+185	+17.4	+17.9	+18.2	+14.6
1000	7.19	+2.6	+3.4	+133	+168	+21.6	+22.0	+22.8	+23.9
1100	7.19	+8.0	+7.6	+347	+341	+21.0	+21.3	+22.1	+31.5
1200	7.19	+4.2	+3.2	+283	+318	+23.0	+23.1	+23.9	+37.2
1300	7.19	+3.8	+3.5	+278	+273	+24.0	+24.3	+25.3	+41.0
1400	7.19	+2.3	+0.8	+63	+130	+26.7	+28.3	+29.6	+43.5
1500	7.19	+8.0	+5.5	+16	+26	+25.4	+26.3	+27.2	+41.7
1600	7.19	+4.1	+4.1	+295	+323	+26.4	+26.6	+27.4	+39.2
1700	7.19	+10.2	+7.9	+142	+117	+24.8	+25.6	+26.6	+33.5
1800	7.19	+11.8	+11.2	+226	+225	+24.3	+24.6	+25.0	+23.4
1900	7.19	+12.3	+10.0	+179	+188	+21.7	+21.0	+20.8	+18.9
2000	7.19	+14.7	+9.2	+180	+199	+19.5	+18.7	+18.4	+16.1
2100	7.19	+13.6	+9.9	+182	+205	+17.9	+15.9	+15.1	+13.7
2200	7.19	+16.0	+11.9	+196	+213	+16.5	+15.2	+14.8	+12.6
2300	7.19	+20.1	+15.2	+185	+195	+16.7	+15.2	+14.6	+12.0
MAX.		+20.1	+15.2	+347	+341	+26.7	+28.3	+29.6	+43.5
MTN.		+2.3	+0.8	+16	+126	+14.4	+10.4	+9.9	+6.6
AVG.	0.00	+10.4	+7.0	+194	+209	+19.8	+18.1	+18.1	+20.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (280) 7 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+17.3	+13.0	+181	+211	+16.7	+15.1	+14.5	+11.3
100	7.19	+13.4	+10.8	+189	+213	+15.6	+15.2	+14.6	+11.1
200	7.19	+20.9	+14.6	+177	+189	+17.7	+15.6	+15.2	+11.3
300	7.19	+1.8	+1.4	+59	+295	+14.7	+13.6	+12.5	+9.1
400	7.19	+1.4	+2.2	+249	+297	+13.1	+13.1	+12.7	+7.9
500	7.19	+14.5	+8.8	+186	+202	+15.0	+13.2	+12.6	+8.2
600	7.19	+16.5	+13.0	+202	+211	+15.5	+12.2	+11.1	+8.0
700	7.19	+10.0	+6.2	+192	+208	+14.3	+10.7	+10.1	+7.3
800	7.19	+9.0	+1.4	+216	+205	+13.0	+11.2	+11.0	+7.2
900	7.19	+3.5	+2.6	+208	+197	+13.4	+15.7	+17.2	+13.5
1000	7.19	+10.3	+7.1	+282	+294	+18.8	+19.3	+20.1	+22.9
1100	7.19	+6.3	+5.8	+311	+323	+18.5	+20.2	+21.6	+29.5
1200	7.19	+8.3	+6.9	+12	+15	+21.5	+21.9	+23.2	+36.3
1300	7.19	+6.3	+6.4	+346	+320	+19.7	+19.9	+19.0	+36.0
1400	7.19	+7.0	+7.5	+353	+317	+21.3	+21.4	+20.2	+37.5
1500	7.19	+10.1	+9.9	+340	+340	+21.0	+22.0	+22.4	+35.6
1600	7.19	+8.0	+8.0	+3	+17	+20.9	+22.7	+24.3	+36.1
1700	7.19	+11.3	+12.5	+235	+236	+19.5	+21.6	+23.6	+30.9
1800	7.19	+15.5	+15.1	+256	+236	+21.2	+21.4	+21.8	+21.9
1900	7.19	+12.4	+7.8	+221	+227	+17.3	+17.7	+18.1	+17.5
2000	7.19	+14.0	+11.4	+198	+202	+17.6	+16.5	+15.6	+14.5
2100	7.19	+15.6	+10.9	+194	+202	+16.5	+14.8	+14.0	+12.9
2200	7.19	+15.5	+12.3	+196	+214	+15.7	+14.1	+13.6	+11.9
2300	7.19	+14.4	+9.7	+199	+207	+15.9	+13.6	+12.7	+11.0
MAX.		+20.9	+15.1	+353	+340	+21.5	+22.7	+24.3	+37.5
MIN.		+1.4	+1.4	+3	+15	+13.0	+10.7	+10.1	+7.2
AVG.	0.00	+11.0	+8.6	+209	+224	+17.3	+16.8	+16.7	+18.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (281) 8 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+15.5	+11.8	+196	+210	+15.8	+12.9	+12.2	+10.3
100	7.19	+5.0	+2.2	+215	+236	+14.0	+12.4	+12.0	+9.2
200	7.19	+1.7	+4.0	+92	+186	+12.7	+10.2	+8.5	+7.4
300	7.19	+2.7	+0.6	+187	+65	+10.9	+9.5	+7.0	+6.4
400	7.19	+1.7	+1.7	+323	+225	+8.8	+7.0	+5.9	+5.4
500	7.19	+3.9	+3.3	+256	+249	+5.6	+4.5	+3.0	+4.3
600	7.19	+8.0	+5.6	+320	+309	+5.4	+5.0	+4.5	+3.9
700	7.19	+8.8	+5.5	+244	+238	+3.5	+2.9	+2.3	+3.0
800	7.19	+7.8	+4.8	+267	+256	+3.4	+3.2	+3.0	+3.3
900	7.19	+5.9	+5.7	+296	+266	+1.1	+1.4	-1.0	-0.8
1000	7.19	+7.4	+6.5	+337	+314	+3.5	+3.2	+0.6	+8.7
1100	7.19	+5.9	+4.8	+345	+303	+9.1	+9.4	+10.2	+22.8
1200	7.19	+6.2	+4.1	+331	+323	+10.5	+10.6	+11.5	+28.4
1300	7.19	+8.7	+5.3	+322	+320	+12.3	+13.3	+14.3	+33.1
1400	7.19	+12.8	+10.5	+6	+354	+13.4	+14.2	+15.6	+35.7
1500	7.19	+5.6	+8.4	+59	+41	+11.6	+11.3	+9.3	+29.1
1600	7.19	+6.5	+7.3	+13	+16	+15.6	+15.9	+16.7	+32.9
1700	7.19	+4.2	+3.4	+32	+85	+16.0	+16.6	+17.3	+27.6
1800	7.19	+4.8	+4.8	+49	+34	+12.1	+12.9	+8.5	+9.3
1900	7.19	+7.9	+4.8	+29	+12	+6.1	+8.1	+6.0	+6.1
2000	7.19	+3.3	+1.2	+10	+338	+12.8	+11.1	+9.6	+10.7
2100	7.19	+2.0	+3.7	+250	+224	+9.9	+9.8	+8.2	+8.9
2200	7.19	+10.9	+5.1	+206	+208	+11.1	+7.8	+7.2	+7.7
2300	7.19	+7.2	+3.3	+193	+207	+9.7	+7.2	+6.5	+6.7
MAX.		+15.5	+11.8	+345	+354	+16.0	+16.6	+17.3	+35.7
MIN.		+1.7	+0.6	+6	+12	+1.1	+1.4	-1.0	-0.8
AVG.	0.00	+6.4	+4.9	+191	+209	+9.8	+9.2	+8.3	+13.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (282) 9 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+11.9	+7.8	+186	+195	+9.6	+7.0	+6.6	+5.9
100	7.19	+8.5	+4.6	+199	+202	+7.9	+6.6	+6.2	+5.2
200	7.19	+12.8	+7.5	+190	+203	+12.0	+7.4	+6.5	+4.8
300	7.19	+10.8	+4.2	+183	+200	+11.2	+7.0	+5.9	+4.1
400	7.19	+8.9	+5.5	+192	+222	+12.1	+7.3	+6.9	+4.0
500	7.19	+8.2	+4.8	+188	+213	+12.8	+6.6	+5.7	+3.5
600	7.19	+1.4	+4.3	+211	+216	+11.8	+10.2	+7.3	+3.5
700	7.19	+2.5	+3.5	+65	+204	+10.9	+8.7	+5.3	+2.7
800	7.19	+4.9	+3.6	+140	+215	+11.5	+7.0	+5.8	+3.1
900	7.19	+5.2	+4.9	+184	+207	+12.0	+11.5	+11.8	+10.1
1000	7.19	+3.1	+1.8	+285	+278	+15.1	+16.0	+15.4	+15.1
1100	7.19	+7.8	+8.1	+254	+235	+16.2	+16.3	+15.7	+21.5
1200	7.19	+9.1	+5.5	+289	+287	+15.1	+18.7	+20.9	+30.7
1300	7.19	+10.6	+8.5	+318	+340	+18.8	+19.7	+20.9	+35.8
1400	7.19	+6.1	+5.8	+318	+325	+20.4	+20.3	+21.5	+37.1
1500	7.19	+4.9	+3.9	+262	+278	+21.7	+21.7	+21.1	+35.6
1600	7.19	+9.4	+7.4	+282	+277	+16.6	+20.7	+23.0	+33.0
1700	7.19	+7.1	+5.8	+308	+309	+21.1	+21.4	+21.9	+27.6
1800	7.19	+2.8	+1.0	+319	+239	+13.2	+17.6	+17.2	+15.4
1900	7.19	+0.6	+1.9	+59	+148	+18.5	+18.0	+16.8	+15.2
2000	7.19	+10.5	+6.7	+186	+208	+16.7	+15.6	+15.2	+12.8
2100	7.19	+12.1	+9.5	+190	+212	+8.5	+11.3	+13.0	+10.2
2200	7.19	+12.9	+8.4	+199	+203	+17.3	+14.0	+13.3	+11.0
2300	7.19	+11.8	+6.7	+212	+215	+15.7	+11.8	+11.0	+9.7
MAX.		+12.9	+9.5	+319	+340	+21.7	+21.7	+23.0	+37.1
MIN.		+0.6	+1.0	+59	+99	+7.9	+6.6	+5.3	+2.7
AVG.	0.00	+7.7	+5.5	+217	+235	+14.4	+13.4	+13.1	+14.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (283) 10 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+10.8	+5.1	+199	+215	+15.9	+11.4	+10.0	+8.2
100	7.19	+6.3	+4.7	+193	+212	+16.2	+11.4	+10.6	+7.6
200	7.19	+5.9	+4.8	+181	+212	+16.3	+11.1	+9.8	+6.7
300	7.19	+5.6	+6.1	+200	+206	+16.0	+9.7	+8.7	+6.1
400	7.19	+5.6	+4.9	+191	+219	+15.4	+9.2	+8.1	+5.4
500	7.19	+3.5	+6.5	+213	+224	+15.3	+9.2	+8.3	+5.2
600	7.19	+4.2	+4.1	+216	+220	+14.3	+8.6	+7.5	+4.8
700	7.19	+10.5	+4.6	+225	+237	+10.5	+5.0	+2.1	-0.1
800	7.19	+13.2	+5.3	+203	+224	+12.2	+8.1	+7.5	+4.3
900	7.19	+9.4	+8.8	+202	+216	+12.6	+12.6	+12.8	+11.1
1000	7.19	+8.4	+8.9	+243	+236	+16.6	+17.0	+17.9	+19.6
1100	7.19	+9.9	+9.6	+258	+254	+17.8	+18.4	+19.6	+26.6
1200	7.19	+9.0	+10.3	+285	+289	+18.7	+19.0	+20.1	+31.6
1300	7.19	+7.3	+6.8	+297	+290	+19.8	+20.3	+21.2	+33.9
1400	7.19	+7.4	+3.5	+284	+255	+20.1	+20.8	+21.5	+30.6
1500	7.19	+8.7	+4.6	+323	+301	+18.9	+19.4	+18.4	+28.7
1600	7.19	+2.5	+2.0	+331	+335	+21.0	+21.4	+22.0	+27.8
1700	7.19	+0.2	+0.0	+76	+39	+15.1	+19.8	+22.5	+24.2
1800	7.19	+1.9	+1.5	+86	+71	+20.6	+20.8	+21.0	+20.7
1900	7.19	+11.9	+7.6	+183	+181	+18.8	+17.8	+17.6	+16.4
2000	7.19	+14.3	+8.5	+181	+205	+16.1	+15.5	+15.2	+13.1
2100	7.19	+13.7	+8.0	+182	+216	+14.8	+13.3	+12.8	+11.3
2200	7.19	+13.9	+8.5	+210	+202	+15.9	+13.3	+12.6	+10.5
2300	7.19	+13.8	+7.4	+212	+203	+14.7	+11.6	+11.2	+9.7
MAX.		+14.3	+10.3	+331	+335	+21.0	+21.4	+22.5	+33.9
MIN.		+0.2	+0.0	+76	+39	+10.5	+5.0	+2.1	-0.1
AVG.	0.00	+8.2	+5.9	+216	+219	+16.4	+14.4	+14.1	+15.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (284) 11 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+14.5	+10.7	+208	+211	+14.2	+11.2	+10.6	+8.5
100	7.19	+11.4	+4.6	+213	+265	+4.2	+6.7	+8.5	+5.2
200	7.19	+7.2	+4.2	+165	+209	+13.5	+10.4	+9.4	+6.5
300	7.19	+4.6	+4.7	+213	+219	+15.1	+9.3	+8.9	+6.5
400	7.19	+9.2	+4.9	+206	+235	+13.5	+9.5	+9.0	+6.5
500	7.19	+8.4	+4.8	+189	+206	+12.6	+8.8	+8.4	+6.2
600	7.19	+7.9	+4.4	+196	+232	+13.4	+9.5	+9.3	+7.0
700	7.19	+9.2	+4.7	+211	+222	+12.3	+9.2	+8.7	+7.0
800	7.19	+7.1	+2.9	+203	+209	+4.2	+6.2	+8.1	+4.6
900	7.19	+9.2	+7.1	+213	+208	+12.6	+11.6	+12.0	+10.3
1000	7.19	+10.1	+6.3	+266	+280	+8.4	+12.3	+14.8	+13.2
1100	7.19	+4.1	+3.4	+327	+307	+13.4	+14.4	+12.6	+22.7
1200	7.19	+7.4	+5.6	+327	+328	+17.1	+17.4	+18.3	+30.0
1300	7.19	+4.4	+3.6	+291	+276	+18.0	+18.8	+20.0	+33.4
1400	7.19	+4.8	+4.3	+331	+341	+13.6	+17.1	+19.6	+31.2
1500	7.19	+4.3	+5.3	+18	+40	+18.3	+19.4	+18.8	+30.5
1600	7.19	+8.2	+6.9	+47	+52	+16.9	+19.0	+20.5	+28.7
1700	7.19	+9.8	+10.8	+41	+33	+19.3	+19.5	+20.2	+26.0
1800	7.19	+8.2	+6.9	+51	+24	+19.0	+19.3	+19.5	+19.9
1900	7.19	+5.6	+4.2	+33	+14	+11.7	+15.4	+16.8	+13.7
2000	7.19	+2.3	+2.9	+133	+174	+16.7	+15.1	+13.6	+11.9
2100	7.19	+4.3	+3.8	+155	+207	+16.4	+13.2	+11.8	+10.4
2200	7.19	+2.3	+3.9	+150	+209	+16.1	+12.4	+11.1	+9.3
2300	7.19	+8.9	+6.9	+210	+215	+11.4	+9.7	+9.4	+8.4
MAX.		+14.5	+10.8	+331	+341	+19.3	+19.5	+20.5	+33.4
MIN.		+2.3	+2.9	+18	+14	+4.2	+6.2	+8.1	+4.6
AVG.	0.00	+7.2	+5.3	+183	+197	+13.8	+13.1	+13.3	+14.9
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (285) 12 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+8.7	+5.0	+188	+218	+14.6	+10.1	+9.5	+7.5
100	7.19	+13.1	+5.9	+208	+232	+11.5	+9.1	+8.5	+6.7
200	7.19	+11.9	+4.9	+205	+210	+12.5	+8.4	+7.6	+6.1
300	7.19	+9.1	+3.6	+195	+233	+10.9	+7.8	+7.3	+5.6
400	7.19	+7.9	+4.8	+189	+215	+13.5	+8.8	+7.7	+5.1
500	7.19	+10.2	+5.9	+195	+216	+12.4	+7.4	+6.7	+4.7
600	7.19	+7.0	+5.5	+194	+200	+13.8	+9.1	+7.6	+4.2
700	7.19	+3.6	+3.3	+152	+241	+10.7	+7.2	+6.8	+4.1
800	7.19	+2.3	+3.1	+73	+184	+11.5	+10.6	+7.7	+4.3
900	7.19	+1.3	+1.3	+98	+90	+9.4	+10.1	+4.9	+1.6
1000	7.19	+1.9	+2.0	+5	+13	+16.8	+17.0	+17.4	+19.7
1100	7.19	+4.9	+6.1	+324	+313	+17.8	+17.9	+18.7	+27.4
1200	7.19	+6.8	+6.9	+27	+18	+18.7	+19.3	+20.6	+33.0
1300	7.19	+8.9	+5.5	+25	+12	+20.2	+20.5	+21.7	+37.4
1400	7.19	+6.1	+3.8	+320	+305	+20.9	+21.8	+23.2	+38.2
1500	7.19	+9.8	+6.4	+91	+108	+21.9	+23.0	+24.2	+34.4
1600	7.19	+8.1	+6.4	+193	+199	+22.0	+22.7	+23.6	+31.8
1700	7.19	+11.3	+8.6	+169	+182	+20.2	+20.5	+20.8	+24.3
1800	7.19	+13.8	+7.4	+194	+176	+14.8	+16.0	+14.2	+18.5
1900	7.19	+10.0	+5.4	+174	+199	+17.8	+16.3	+15.7	+15.3
2000	7.19	+10.3	+7.3	+185	+204	+16.7	+15.3	+14.0	+13.3
2100	7.19	+8.7	+3.2	+193	+193	+11.4	+10.0	+6.6	+7.6
2200	7.19	+9.8	+5.9	+173	+197	+15.1	+14.3	+13.7	+11.9
2300	7.19	+13.0	+9.2	+180	+193	+14.9	+13.7	+13.3	+11.0
MAX.		+13.8	+9.2	+324	+313	+22.0	+23.0	+24.2	+38.2
MIN.		+1.3	+1.3	+5	+12	+9.4	+7.2	+4.9	+1.6
AVG.	0.00	+8.3	+5.3	+165	+181	+15.4	+14.0	+13.4	+15.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (286) 13 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.19	+18.4	+11.7	+177	+179	+15.0	+12.9	+12.4	+10.1
100	7.19	+11.4	+8.8	+179	+201	+12.8	+11.9	+11.4	+9.2
200	7.19	+18.8	+14.3	+174	+169	+14.0	+13.4	+13.3	+10.6
300	7.19	+20.9	+15.4	+172	+197	+14.8	+13.9	+13.8	+10.5
400	7.19	+20.8	+14.7	+180	+179	+14.6	+12.9	+12.7	+9.9
500	7.19	+16.6	+11.3	+173	+176	+13.8	+13.0	+12.9	+10.5
600	7.19	+16.5	+10.0	+164	+179	+14.1	+13.3	+13.1	+10.6
700	7.19	+17.2	+9.9	+167	+189	+13.7	+13.2	+12.9	+10.5
800	7.19	+16.9	+11.9	+175	+198	+13.4	+12.6	+12.4	+9.8
900	7.19	+9.4	+4.1	+90	+77	+12.1	+11.3	+11.4	+11.3
1000	7.19	+4.9	+5.0	+53	+24	+13.9	+14.1	+14.7	+16.2
1100	7.19	+16.3	+13.6	+136	+164	+17.1	+17.9	+19.1	+25.8
1200	7.19	+19.4	+20.5	+145	+155	+16.5	+17.0	+17.8	+24.1
1300	7.19	+17.2	+12.4	+151	+167	+16.8	+17.3	+18.4	+24.7
1400	7.19	+17.4	+12.8	+148	+142	+16.4	+17.0	+17.6	+24.9
1500	7.19	+26.5	+16.6	+167	+203	+18.2	+19.0	+20.6	+32.5
1600	7.19	+16.8	+15.0	+142	+154	+16.2	+16.5	+17.0	+23.5
1700	7.19	+19.1	+17.5	+171	+177	+15.8	+16.0	+15.8	+19.9
1800	7.69	+10.6	+10.1	+222	+221	+16.0	+16.1	+16.1	+14.7
1900	7.69	+4.4	+3.0	+269	+280	+13.3	+13.3	+13.3	+12.8
2000	7.69	+9.2	+5.1	+102	+97	+12.2	+11.4	+10.6	+9.9
2100	7.69	+4.3	+3.1	+102	+69	+9.7	+9.6	+9.2	+8.3
2200	7.69	+8.1	+4.9	+163	+188	+8.7	+8.0	+7.2	+7.0
2300	7.69	+14.9	+10.5	+170	+158	+9.9	+9.3	+8.9	+6.9
MAX.		+26.5	+20.5	+269	+280	+18.2	+19.0	+20.6	+32.5
MIN.		+4.3	+3.0	+53	+24	+8.7	+8.0	+7.2	+6.9
AVG.	0.50	+14.8	+10.9	+158	+164	+14.1	+13.8	+13.9	+14.8
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (287) 14 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.69	+14.6	+10.9	+188	+181	+3.0	+4.7	+3.6	+3.9
100	7.69	+14.4	+11.2	+176	+200	+9.4	+8.9	+8.7	+6.1
200	7.69	+15.5	+7.5	+178	+190	+8.4	+8.1	+8.0	+5.7
300	7.69	+17.6	+15.5	+171	+192	+8.8	+8.4	+8.2	+5.6
400	7.69	+16.5	+10.4	+172	+195	+8.9	+8.2	+8.0	+5.3
500	7.69	+17.3	+13.4	+178	+195	+8.5	+7.9	+7.6	+5.0
600	7.69	+14.0	+11.1	+180	+189	+7.8	+7.4	+7.2	+4.6
700	7.69	+13.3	+11.0	+178	+209	+7.9	+7.2	+6.8	+4.2
800	7.69	+3.6	+3.5	+280	+261	+7.3	+7.1	+6.6	+3.3
900	7.69	+3.6	+2.5	+335	+341	+4.2	+6.3	+6.6	+4.6
1000	7.69	+3.2	+3.6	+75	+42	+8.2	+10.1	+7.8	+12.2
1100	7.69	+3.3	+4.4	+48	+40	+14.1	+13.7	+13.3	+20.8
1200	7.69	+5.6	+5.1	+43	+21	+11.4	+13.2	+12.3	+26.6
1300	7.69	+5.9	+5.5	+331	+339	+17.1	+17.4	+18.7	+35.2
1400	7.69	+17.1	+14.1	+219	+247	+15.2	+16.6	+18.8	+34.4
1500	7.69	+23.6	+20.4	+163	+157	+15.6	+17.0	+16.6	+34.0
1600	7.69	+16.6	+13.1	+253	+236	+16.1	+16.7	+17.8	+28.7
1700	7.69	+17.3	+15.0	+220	+248	+18.0	+18.4	+19.3	+23.6
1800	7.69	+18.9	+14.2	+228	+207	+15.3	+15.3	+14.9	+15.8
1900	7.69	+8.8	+8.0	+208	+215	+15.6	+15.3	+14.8	+14.4
2000	7.69	+10.8	+9.1	+192	+192	+14.3	+13.6	+13.2	+12.7
2100	7.69	+12.9	+8.5	+186	+204	+13.2	+12.1	+12.0	+12.0
2200	7.69	+10.1	+4.9	+315	+318	+13.1	+12.9	+12.8	+12.0
2300	7.69	+1.5	+1.6	+11	+319	+11.8	+11.5	+11.2	+11.7
MAX.		+23.6	+20.4	+335	+341	+18.0	+18.4	+19.3	+35.2
MIN.		+1.5	+1.6	+11	+21	+3.0	+4.7	+3.6	+3.3
AVG.	0.00	+11.9	+9.4	+189	+206	+11.4	+11.6	+11.5	+14.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (288) 15 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.69	+7.6	+4.5	+39	+31	+11.1	+11.0	+10.6	+11.2
100	7.69	+5.9	+3.3	+321	+315	+10.1	+10.1	+9.9	+9.6
200	7.69	+12.1	+7.2	+291	+297	+9.1	+8.9	+8.9	+8.8
300	7.69	+11.3	+8.7	+267	+259	+8.8	+8.8	+8.7	+9.0
400	7.69	+10.3	+9.5	+262	+275	+8.0	+7.6	+7.0	+6.4
500	7.69	+11.4	+7.8	+23	+17	+7.2	+6.4	+6.0	+4.4
600	7.69	+7.3	+3.6	+33	+15	+6.9	+6.4	+5.5	+2.6
700	7.69	+8.5	+3.7	+14	+25	+7.0	+6.1	+3.5	+1.5
800	7.69	+5.7	+3.1	+68	+40	-1.0	-1.1	-2.4	-1.5
900	7.69	+3.3	+1.2	+84	+84	+8.0	+8.6	+9.1	+8.4
1000	7.69	+13.3	+13.9	+21	+12	+2.1	+4.2	+5.9	+11.9
1100	7.69	+12.5	+10.8	+32	+24	+10.3	+10.8	+11.7	+22.1
1200	7.69	+16.0	+11.5	+41	+17	+10.6	+11.2	+12.7	+28.2
1300	7.69	+12.4	+11.5	+71	+71	+12.4	+13.3	+15.0	+32.8
1400	7.69	+17.8	+16.4	+44	+40	+11.9	+12.5	+14.0	+34.0
1500	7.69	+6.8	+6.0	+351	+341	+11.5	+11.6	+10.4	+27.2
1600	7.69	+9.7	+9.3	+21	+39	+12.6	+12.9	+14.0	+29.1
1700	7.69	+7.2	+6.8	+21	+6	+9.3	+11.7	+13.6	+20.6
1800	7.69	+7.8	+7.8	+287	+7	+9.7	+9.6	+7.0	+10.8
1900	7.69	+7.4	+3.7	+45	+47	+3.8	+4.9	+3.1	+3.9
2000	7.69	+5.6	+3.0	+50	+39	+6.0	+4.4	+0.5	+3.3
2100	7.69	+4.9	+1.8	+113	+139	+9.2	+7.8	+6.7	+6.2
2200	7.69	+3.8	+2.9	+111	+213	+9.3	+7.4	+6.5	+5.4
2300	7.69	+2.8	+3.9	+213	+222	+8.3	+4.2	+3.6	+4.4
MAX.		+17.8	+16.4	+351	+341	+12.6	+13.3	+15.0	+34.0
MIN.		+2.8	+1.2	+14	+6	-1.0	-1.1	-2.4	-1.5
AVG.	0.00	+8.8	+6.7	+118	+107	+8.4	+8.3	+8.0	+12.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (289) 16 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.69	+8.5	+4.3	+208	+218	+6.0	+3.6	+3.1	+3.5
100	7.69	+11.8	+5.5	+196	+200	+6.8	+3.7	+3.4	+3.1
200	7.69	+8.1	+5.0	+195	+252	+4.7	+3.0	+2.7	+2.4
300	7.69	+8.6	+3.9	+208	+241	+8.1	+3.7	+3.6	+2.5
400	7.69	+10.7	+4.3	+212	+209	+4.7	+2.0	+1.3	+1.5
500	7.69	+10.7	+4.5	+206	+207	+5.8	+2.2	+1.7	+1.0
600	7.69	+5.2	+3.7	+175	+206	+6.3	+3.0	+1.8	+0.9
700	7.69	+7.0	+3.8	+154	+199	+6.1	+3.4	+2.0	-0.8
800	7.69	+2.9	+3.1	+277	+271	+5.2	+4.2	+3.4	+0.7
900	7.69	+4.0	+4.1	+256	+251	+6.9	+7.1	+7.3	+5.9
1000	7.69	+2.9	+4.0	+361	+317	+3.1	+4.2	+2.1	+8.4
1100	7.69	+4.1	+3.5	+79	+82	+7.8	+10.9	+13.4	+19.2
1200	7.69	+6.0	+4.9	+46	+42	+11.5	+11.9	+12.8	+22.8
1300	7.69	+3.8	+3.6	+341	+313	+13.8	+13.9	+14.9	+25.5
1400	7.69	+3.6	+2.3	+43	+45	+15.6	+16.6	+17.8	+27.7
1500	7.69	+3.1	+3.3	+309	+274	+7.7	+11.4	+11.3	+21.5
1600	7.69	+2.2	+1.0	+70	+78	+9.1	+11.4	+10.3	+16.6
1700	7.69	+5.6	+3.6	+212	+185	+8.4	+11.8	+10.8	+16.0
1800	7.69	+7.6	+5.3	+169	+182	+15.2	+15.4	+15.5	+16.4
1900	7.69	+9.9	+6.8	+170	+189	+14.3	+14.2	+14.2	+14.2
2000	7.69	+11.2	+9.9	+179	+193	+14.0	+14.0	+14.1	+13.3
2100	7.69	+15.7	+11.9	+244	+233	+9.2	+9.5	+8.8	+10.8
2200	7.69	+17.9	+18.5	+251	+240	+11.9	+12.1	+12.2	+12.1
2300	7.69	+4.1	+2.9	+210	+216	+11.2	+11.2	+11.1	+11.4
MAX.		+17.9	+18.5	+361	+317	+15.6	+16.6	+17.8	+27.7
MIN.		+2.2	+1.0	+43	+42	+3.1	+2.0	+1.3	-0.8
AVG.	0.00	+7.3	+5.2	+199	+202	+8.9	+8.5	+8.3	+10.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (290) 17 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.69	+4.3	+1.0	+255	+259	+9.6	+9.5	+9.5	+10.9
100	7.69	+10.4	+8.0	+202	+190	+9.4	+9.2	+8.8	+9.6
200	7.69	+16.7	+12.8	+191	+192	+9.0	+9.0	+8.9	+7.4
300	7.69	+6.1	+4.5	+217	+221	+8.2	+8.1	+7.6	+6.7
400	7.69	+8.9	+6.7	+209	+211	+7.9	+6.8	+6.2	+5.6
500	7.69	+11.3	+8.0	+191	+207	+8.4	+6.1	+5.6	+4.6
600	7.69	+11.5	+8.4	+193	+204	+8.3	+5.7	+5.1	+3.5
700	7.69	+13.6	+9.6	+180	+211	+6.9	+5.1	+4.6	+3.0
800	7.69	+12.1	+9.2	+184	+199	+7.7	+5.2	+4.7	+2.7
900	7.69	+10.9	+9.1	+164	+180	+9.2	+9.5	+9.6	+7.7
1000	7.69	+16.7	+11.5	+200	+209	+5.4	+8.8	+9.5	+14.5
1100	7.69	+10.5	+9.9	+196	+170	+8.4	+10.1	+10.6	+17.1
1200	7.69	+8.9	+13.2	+195	+196	+13.3	+13.7	+10.9	+14.8
1300	7.69	+8.8	+7.1	+151	+164	+13.8	+14.2	+15.0	+18.6
1400	7.69	+20.5	+17.0	+176	+187	+14.2	+14.6	+15.1	+19.0
1500	7.69	+14.8	+11.5	+194	+193	+11.2	+13.1	+12.9	+21.1
1600	7.69	+17.0	+20.8	+229	+219	+10.3	+12.1	+13.2	+20.7
1700	7.69	+18.9	+16.7	+178	+189	+9.2	+10.0	+10.4	+15.4
1800	7.69	+18.4	+15.9	+177	+175	+14.5	+14.6	+14.8	+14.4
1900	7.69	+12.3	+10.4	+175	+166	+7.6	+8.9	+8.3	+10.9
2000	7.69	+16.3	+15.2	+194	+212	+14.0	+14.0	+14.1	+12.0
2100	7.69	+20.2	+14.1	+186	+191	+14.2	+14.3	+14.3	+12.2
2200	7.69	+41.1	+34.4	+189	+211	+13.9	+14.0	+14.0	+12.0
2300	7.69	+26.1	+20.5	+201	+203	+12.3	+12.5	+12.6	+11.6
MAX.		+41.1	+34.4	+255	+259	+14.5	+14.6	+15.1	+21.1
MIN.		+4.3	+1.0	+99	+99	+5.4	+5.1	+4.6	+2.7
AVG.	0.00	+14.8	+12.3	+193	+198	+10.3	+10.4	+10.3	+11.5
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (291) 18 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.69	+22.9	+20.6	+184	+202	+12.3	+12.5	+12.5	+10.8
100	7.69	+16.0	+19.5	+169	+177	+12.3	+12.4	+12.4	+10.4
200	7.69	+11.0	+8.3	+183	+184	+12.3	+12.4	+12.4	+10.8
300	7.69	+18.4	+15.3	+210	+207	+13.1	+13.2	+13.2	+11.3
400	7.69	+21.0	+14.7	+200	+202	+12.4	+12.5	+12.5	+11.3
500	7.69	+20.7	+16.5	+187	+169	+11.8	+11.8	+11.8	+9.8
600	7.69	+16.8	+13.7	+194	+205	+11.4	+11.4	+11.4	+9.2
700	7.69	+27.4	+25.3	+182	+209	+11.2	+11.1	+11.0	+8.5
800	7.69	+23.4	+21.0	+195	+201	+11.3	+11.4	+11.4	+9.5
900	7.69	+18.0	+12.2	+187	+178	+11.8	+12.0	+12.1	+11.1
1000	7.69	+28.6	+19.2	+234	+206	+8.6	+8.5	+8.9	+10.6
1100	7.69	+23.3	+21.9	+179	+177	+14.0	+14.5	+15.1	+20.0
1200	7.69	+27.9	+27.1	+179	+180	+14.7	+15.3	+16.3	+19.9
1300	7.69	+34.3	+29.5	+218	+193	+8.9	+12.6	+13.0	+21.6
1400	7.69	+25.6	+26.2	+200	+176	+8.2	+12.1	+14.1	+20.5
1500	7.69	+26.1	+26.4	+185	+178	+15.6	+16.2	+16.8	+22.2
1600	7.69	+35.1	+32.3	+188	+186	+16.4	+16.9	+17.6	+22.6
1700	7.69	+18.8	+18.0	+219	+216	+11.7	+14.4	+13.6	+17.3
1800	7.69	+29.2	+32.1	+177	+182	+15.0	+15.2	+15.3	+15.4
1900	7.69	+31.6	+22.0	+173	+171	+13.2	+13.9	+14.2	+11.5
2000	7.69	+28.9	+28.0	+189	+189	+13.7	+13.8	+13.8	+11.9
2100	7.69	+27.7	+25.1	+193	+190	+13.5	+13.6	+13.6	+11.4
2200	7.69	+25.7	+27.7	+184	+203	+13.3	+13.3	+13.3	+11.0
2300	7.69	+19.1	+17.6	+182	+203	+12.9	+13.0	+13.1	+11.2
MAX.		+35.1	+32.3	+234	+216	+16.4	+16.9	+17.6	+22.6
MIN.		+11.0	+8.3	+99	+99	+8.2	+8.5	+8.9	+8.5
AVG.	0.00	+24.1	+21.7	+191	+191	+12.5	+13.1	+13.3	+13.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (292) 19 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.69	+13.6	+12.5	+208	+201	+12.9	+13.0	+13.0	+11.2
100	7.69	+11.6	+8.5	+192	+200	+12.5	+12.6	+12.6	+11.3
200	7.69	+10.0	+8.5	+8	+252	+7.7	+7.9	+8.2	+10.5
300	7.69	+5.1	+2.4	+291	+283	+6.2	+6.5	+6.7	+9.2
400	7.69	+5.0	+4.9	+254	+248	+4.7	+4.9	+5.1	+7.9
500	7.69	+7.8	+6.9	+288	+279	+3.8	+4.1	+4.3	+7.2
600	7.70	+10.5	+11.3	+298	+292	+2.7	+2.9	+3.0	+5.8
700	7.75	+5.1	+3.9	+308	+324	+2.0	+2.2	+2.4	+5.1
800	7.76	+2.1	+2.1	+134	+135	+2.1	+2.3	+2.5	+5.3
900	7.76	+11.3	+7.2	+322	+311	+1.8	+2.1	+2.4	+5.5
1000	7.77	+9.6	+6.9	+322	+316	-21.3	-8.1	+1.4	+4.5
1100	7.78	+4.2	+2.7	+312	+309	+1.2	+1.7	+2.0	+5.5
1200	7.79	+9.3	+7.4	+311	+321	+0.7	+1.0	+1.3	+3.3
1300	7.80	+11.6	+9.4	+303	+276	-0.6	-0.3	-0.2	+1.2
1400	7.80	+6.4	+4.8	+256	+272	-7.5	-12.8	-30.3	-19.6
1500	7.80	+2.5	+0.5	+226	+59	-2.7	+0.7	-1.3	-6.2
1600	7.80	+10.7	+7.4	+295	+295	+0.6	+0.8	+1.0	+1.2
1700	7.80	+4.0	+1.8	+76	+66	+0.7	+1.1	+1.9	+1.2
1800	7.80	+4.2	+3.0	+126	+117	+0.4	+0.5	+0.7	+1.2
1900	7.80	+4.1	+2.9	+130	+118	+0.3	+0.3	+0.3	+1.3
2000	7.80	+5.2	+3.1	+204	+224	+0.9	+0.4	+0.3	+1.4
2100	7.80	+5.5	+3.2	+229	+197	-15.8	-13.3	-15.8	+0.0
2200	7.80	+4.6	+2.2	+244	+234	+1.1	+0.4	+0.0	+1.8
2300	7.80	+4.0	+2.9	+257	+231	+0.5	-0.1	-0.6	+2.0
MAX.		+13.6	+12.5	+322	+324	+12.9	+13.0	+13.0	+11.3
MIN.		+2.1	+0.5	+8	+59	-21.3	-13.3	-30.3	-19.6
AVG.	0.11	+7.0	+5.3	+233	+232	+0.6	+1.3	+0.9	+3.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (293) 20 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	7.80	+6.6	+3.8	+273	+260	+0.6	-0.2	-0.8	+2.1
100	7.80	+8.7	+5.1	+294	+299	-1.3	-1.3	-1.2	+2.1
200	7.80	+3.9	+3.4	+275	+281	-1.4	-1.2	-1.0	+2.0
300	7.80	+7.8	+4.4	+214	+194	-1.7	-1.8	-1.9	+1.7
400	7.80	+5.9	+4.3	+290	+288	-1.5	-1.4	-1.2	+1.6
500	7.80	+6.4	+5.5	+339	+338	-1.2	-1.0	-0.9	+1.6
600	7.80	+6.1	+7.9	+328	+344	-1.2	-1.0	-0.9	+1.6
700	7.80	+5.8	+4.7	+328	+326	-1.6	-1.5	-1.4	+1.6
800	7.80	+5.6	+4.1	+27	+336	-1.8	-1.8	-1.7	+1.7
900	7.80	+8.6	+5.3	+341	+327	-1.6	-1.9	-1.8	+1.7
1000	7.80	+5.0	+4.3	+285	+333	-0.8	-0.2	+0.2	+2.0
1100	7.80	+7.1	+7.8	+32	+338	+0.3	+0.3	+1.8	+1.9
1200	7.81	+10.1	+8.2	+342	+338	-0.2	+0.1	+0.6	+1.5
1300	7.87	+8.7	+6.2	+325	+334	+0.7	+1.5	+2.1	+6.1
1400	7.92	+11.0	+11.5	+319	+323	+1.0	+1.3	+1.9	+10.8
1500	8.00	+5.7	+5.1	+357	+355	-1.2	-0.7	-0.9	+7.8
1600	8.01	+7.6	+6.7	+328	+6	+2.3	+2.6	+2.9	+10.3
1700	8.02	+4.0	+4.0	+327	+323	+2.8	+3.0	+3.3	+6.9
1800	8.02	+3.3	+2.4	+32	+37	+2.7	+2.9	+3.0	+3.9
1900	8.02	+2.2	+1.9	+315	+229	+2.1	+0.0	-0.9	+1.8
2000	8.02	+3.8	+2.7	+93	+163	+1.2	-0.3	-1.4	+0.3
2100	8.02	+5.2	+3.2	+145	+175	+1.4	-0.6	-1.3	+0.4
2200	8.02	+8.1	+4.1	+113	+142	+1.4	-1.3	-1.8	+0.3
2300	8.02	+12.7	+9.0	+184	+191	-1.3	-1.9	-2.2	+0.2
MAX.		+12.7	+11.5	+357	+355	+2.8	+3.0	+3.3	+10.8
MIN.		+2.2	+1.9	+27	+6	-1.8	-1.9	-2.2	+0.2
AVG.	0.22	+6.7	+5.2	+246	+262	-0.0	-0.3	-0.2	+3.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (294) 21 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.02	+9.4	+7.3	+181	+193	-1.1	-1.8	-2.0	+0.1
100	8.02	+13.9	+9.9	+173	+193	-0.8	-1.3	-1.5	-0.1
200	8.02	+11.2	+8.6	+191	+216	-1.5	-2.1	-2.2	-0.5
300	8.02	+13.3	+7.6	+193	+212	-1.9	-2.5	-2.6	-0.8
400	8.02	+16.3	+11.7	+191	+211	-2.6	-3.1	-3.2	-1.2
500	8.02	+12.6	+10.1	+182	+198	-1.8	-2.6	-2.8	-1.5
600	8.02	+5.6	+4.9	+171	+217	-2.1	-3.0	-3.6	-1.8
700	8.02	+8.3	+6.1	+177	+205	-2.9	-3.6	-3.8	-2.1
800	8.02	+11.7	+6.8	+169	+190	-1.5	-2.2	-2.5	-2.2
900	8.02	+10.2	+7.1	+194	+165	-11.6	-6.6	-5.4	-7.1
1000	8.02	+9.1	+11.1	+191	+195	-0.4	+1.1	+3.1	-1.0
1100	8.03	+13.3	+10.0	+185	+184	+4.3	+4.9	+5.7	+3.4
1200	8.04	+7.3	+6.7	+199	+218	+1.8	+3.7	+5.8	+7.7
1300	8.06	+8.6	+9.0	+166	+164	+6.3	+6.9	+7.7	+11.3
1400	8.07	+12.2	+9.6	+176	+176	+8.0	+8.6	+9.6	+15.0
1500	8.07	+4.0	+7.4	+251	+258	+8.6	+9.1	+9.5	+15.7
1600	8.07	+3.1	+2.7	+297	+311	+1.5	+6.0	+8.0	+10.8
1700	8.07	+6.8	+7.4	+64	+28	+7.1	+7.4	+7.9	+10.7
1800	8.07	+6.8	+5.0	+149	+176	+6.4	+6.5	+6.6	+7.3
1900	8.07	+3.6	+3.1	+176	+169	+4.9	+4.9	+4.3	+4.9
2000	8.07	+11.3	+7.0	+180	+179	-0.3	+1.3	+2.4	+1.6
2100	8.07	+10.3	+6.5	+184	+205	+2.6	+2.1	+1.6	+1.2
2200	8.07	+10.1	+6.5	+186	+205	+2.3	+1.9	+1.3	+0.3
2300	8.07	+9.5	+4.7	+166	+181	+2.2	+1.6	+1.3	+0.4
MAX.		+16.3	+11.7	+297	+311	+8.6	+9.1	+9.6	+15.7
MIN.		+3.1	+2.7	+64	+28	-11.6	-6.6	-5.4	-7.1
AVG.	0.05	+9.5	+7.4	+183	+194	+1.1	+1.5	+1.9	+3.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (295) 22 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.07	+12.5	+9.1	+181	+199	+2.8	+2.2	+1.9	+0.3
100	8.07	+10.7	+6.6	+174	+191	+2.9	+2.6	+2.3	+0.1
200	8.07	+11.7	+8.9	+167	+186	+3.3	+2.6	+2.3	+0.1
300	8.07	+11.9	+5.3	+165	+180	+3.4	+2.0	+1.5	-0.1
400	8.07	+11.0	+6.8	+189	+199	+2.5	+1.3	+0.9	-0.3
500	8.07	+13.6	+8.7	+174	+195	+2.1	+1.4	+1.1	-0.5
600	8.07	+11.7	+7.9	+184	+192	+2.1	+0.9	+0.6	-0.5
700	8.07	+10.1	+4.7	+188	+203	+1.7	+1.4	+1.0	-0.6
800	8.07	+4.9	+1.7	+173	+224	+1.4	+0.6	-0.2	-0.8
900	8.07	+9.3	+8.6	+213	+204	-4.1	-0.6	-1.1	-2.6
1000	8.07	+1.9	+3.2	+371	+342	+0.7	+2.1	+1.0	-0.6
1100	8.07	+7.3	+5.4	+68	+29	-3.7	+0.6	+0.1	+0.9
1200	8.07	+5.9	+6.5	+41	+33	-2.5	+2.8	+2.1	+5.4
1300	8.07	+5.4	+4.4	+48	+42	+8.7	+9.0	+10.1	+16.9
1400	8.07	+6.3	+5.5	+41	+39	+4.0	+8.6	+10.4	+15.2
1500	8.07	+5.5	+6.7	+41	+12	+6.1	+7.2	+8.3	+12.1
1600	8.07	+9.2	+9.8	+297	+301	+8.9	+9.5	+9.9	+14.2
1700	8.07	+7.5	+7.0	+25	+26	+3.5	+5.0	+3.7	+6.5
1800	8.07	+4.1	+4.3	+294	+321	+7.9	+8.1	+8.2	+9.0
1900	8.07	+2.0	+0.9	+23	+77	+7.2	+5.7	+5.0	+6.7
2000	8.07	+6.3	+3.6	+129	+162	-6.3	-4.3	-6.9	-3.8
2100	8.07	+2.5	+2.2	+129	+188	+6.2	+4.3	+2.9	+3.4
2200	8.07	+4.0	+1.8	+167	+189	+5.0	+4.0	+2.7	+2.1
2300	8.07	+11.5	+6.1	+181	+211	+5.4	+3.3	+2.1	+1.1
MAX.		+13.6	+9.8	+371	+342	+8.9	+9.5	+10.4	+16.9
MIN.		+1.9	+0.9	+23	+12	-6.3	-4.3	-6.9	-3.8
AVG.	0.00	+7.8	+5.7	+153	+164	+2.9	+3.3	+2.9	+3.5
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (296) 23 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.07	+10.2	+4.4	+194	+209	+6.3	+2.4	+1.4	+0.3
100	8.07	+10.8	+7.1	+201	+223	+7.1	+3.0	+2.3	+0.4
200	8.07	+1.0	+3.5	+73	+186	+4.2	+2.7	+1.9	+0.2
300	8.07	+6.4	+4.7	+148	+200	+5.0	+3.3	+1.6	+0.0
400	8.07	+8.2	+3.6	+195	+206	+2.8	+2.0	+1.3	-0.2
500	8.07	+3.0	+3.4	+204	+220	+3.8	+2.3	-0.6	-0.4
600	8.07	+6.6	+4.1	+29	+7	+3.9	+3.4	+1.9	-0.7
700	8.07	+4.6	+4.0	+132	+186	+3.7	+1.5	+0.0	-0.9
800	8.07	+3.0	+2.9	+185	+222	+3.9	+1.3	+0.9	-0.5
900	8.07	+6.3	+4.6	+205	+215	+0.2	+1.6	+3.2	-1.6
1000	8.07	+5.0	+4.7	+334	+332	+6.1	+6.2	+6.4	+0.6
1100	8.07	+2.3	+2.7	+91	+76	-3.9	+0.2	-1.5	-1.3
1200	8.07	+8.0	+7.3	+47	+48	+2.5	+3.5	+2.4	+6.5
1300	8.07	+6.3	+4.1	+332	+344	+9.9	+10.3	+11.2	+14.8
1400	8.07	+5.9	+5.8	+337	+327	+10.7	+11.4	+11.9	+17.5
1500	8.07	+4.8	+4.7	+263	+348	+11.7	+12.0	+12.7	+17.7
1600	8.07	+8.5	+9.1	+35	+40	+12.4	+12.7	+13.3	+17.0
1700	8.07	+7.7	+7.0	+32	+31	+5.7	+9.3	+8.5	+10.6
1800	8.07	+3.6	+3.0	+32	+19	+10.9	+11.1	+11.1	+9.2
1900	8.07	+2.5	+1.5	+367	+344	+3.5	+5.2	+3.2	+3.6
2000	8.09	+2.8	+2.6	+98	+187	-3.5	-1.3	-2.8	-0.9
2100	8.09	+4.3	+2.7	+186	+212	+1.8	+0.9	-2.8	-2.3
2200	8.09	+10.8	+4.3	+203	+205	+6.6	+5.0	+4.5	+2.7
2300	8.09	+12.5	+7.6	+184	+214	+9.4	+6.0	+4.7	+1.7
MAX.		+12.5	+9.1	+367	+348	+12.4	+12.7	+13.3	+17.7
MIN.		+1.0	+1.5	+29	+7	-3.9	-1.3	-2.8	-2.3
AVG.	0.02	+6.0	+4.6	+171	+192	+5.2	+4.0	+4.0	+3.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (297) 24 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.09	+10.0	+6.9	+183	+216	+7.8	+5.1	+4.3	+1.2
100	8.09	+12.9	+8.1	+180	+200	+8.4	+6.3	+5.2	+0.9
200	8.09	+10.7	+7.3	+179	+203	+7.9	+5.0	+3.7	+0.3
300	8.09	+8.2	+7.9	+176	+199	+7.2	+5.6	+5.0	+0.1
400	8.09	+15.3	+11.2	+191	+203	+7.9	+6.6	+5.8	+0.0
500	8.09	+11.4	+6.7	+173	+204	+6.7	+6.1	+5.9	+0.0
600	8.09	+15.2	+10.1	+186	+212	+7.8	+5.3	+4.7	-0.1
700	8.09	+17.4	+10.0	+180	+198	+8.4	+6.1	+5.4	-0.3
800	8.09	+8.7	+4.0	+175	+183	+7.5	+5.9	+5.0	-0.2
900	8.09	+5.5	+2.0	+164	+165	+5.3	+6.6	+8.1	+2.0
1000	8.09	+2.9	+1.0	+61	+19	+12.0	+12.4	+12.8	+8.6
1100	8.09	+9.9	+9.3	+190	+190	+10.4	+12.3	+12.8	+12.1
1200	8.09	+16.5	+12.6	+178	+182	+15.7	+16.3	+17.4	+17.7
1300	8.09	+14.2	+12.2	+150	+155	+10.7	+14.0	+13.4	+14.5
1400	8.09	+3.6	+4.6	+182	+173	+17.7	+18.3	+18.9	+23.2
1500	8.09	+19.8	+22.4	+194	+189	+11.0	+13.6	+13.2	+20.5
1600	8.09	+8.5	+4.4	+285	+293	+17.9	+18.7	+19.5	+21.6
1700	8.09	+26.4	+27.2	+158	+170	+16.3	+16.7	+17.2	+16.1
1800	8.09	+15.0	+12.2	+161	+159	+15.4	+15.6	+15.6	+12.7
1900	8.09	+14.5	+11.2	+177	+180	+13.8	+13.5	+13.3	+10.4
2000	8.09	+26.4	+21.4	+178	+193	+11.0	+11.8	+11.8	+6.4
2100	8.09	+23.3	+22.1	+174	+187	+12.3	+11.8	+11.6	+8.2
2200	8.09	+23.0	+17.4	+179	+174	+12.8	+12.3	+12.1	+7.8
2300	8.09	+24.7	+19.6	+181	+191	+12.5	+12.1	+11.9	+7.2
MAX.		+26.4	+27.2	+285	+293	+17.9	+18.7	+19.5	+23.2
MIN.		+2.9	+1.0	+61	+19	+5.3	+5.0	+3.7	-0.3
AVG.	0.00	+14.3	+11.3	+176	+185	+11.0	+10.8	+10.6	+8.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (298) 25 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.09	+24.7	+18.8	+175	+183	+12.2	+11.7	+11.4	+6.9
100	8.09	+27.7	+18.8	+167	+170	+12.2	+11.7	+11.4	+6.4
200	8.09	+12.9	+11.1	+169	+191	+11.8	+11.1	+10.5	+5.7
300	8.09	+17.3	+14.4	+174	+178	+11.4	+10.7	+10.4	+5.2
400	8.09	+19.7	+13.9	+182	+195	+11.1	+10.1	+9.5	+4.7
500	8.09	+14.9	+10.2	+180	+202	+10.1	+9.0	+8.5	+4.1
600	8.09	+15.8	+11.6	+185	+196	+10.0	+8.6	+6.9	+3.4
700	8.09	+14.7	+10.3	+180	+205	+9.6	+8.7	+7.8	+3.1
800	8.09	+16.0	+12.7	+183	+202	+9.5	+8.0	+7.0	+2.8
900	8.09	+9.8	+8.0	+181	+206	+10.9	+10.9	+10.9	+6.0
1000	8.09	+8.5	+7.7	+251	+261	+12.2	+12.7	+13.3	+10.9
1100	8.09	+7.1	+8.6	+314	+332	+13.0	+13.1	+13.9	+16.0
1200	8.09	+5.6	+5.5	+324	+325	+13.2	+13.6	+14.3	+17.5
1300	8.09	+3.4	+4.1	+11	+36	+11.2	+12.3	+11.5	+20.3
1400	8.09	+7.6	+7.1	+338	+276	+13.3	+13.7	+14.2	+18.7
1500	8.09	+8.7	+7.9	+357	+318	+9.2	+11.1	+10.5	+19.7
1600	8.09	+9.3	+6.7	+289	+273	+14.8	+15.4	+16.0	+20.3
1700	8.09	+8.7	+8.1	+340	+347	+12.8	+13.2	+13.5	+15.3
1800	8.09	+12.6	+10.4	+340	+342	+12.3	+12.6	+12.8	+13.1
1900	8.09	+10.7	+7.3	+4	+5	+10.5	+10.1	+9.8	+9.8
2000	8.09	+8.2	+3.8	+18	+7	+9.2	+8.6	+8.1	+8.0
2100	8.09	+3.0	+1.6	+77	+154	+4.0	+5.2	+5.5	+3.7
2200	8.09	+4.3	+1.5	+75	+111	+7.2	+5.7	+4.7	+4.9
2300	8.09	+4.3	+1.1	+70	+101	+6.5	+4.6	+3.0	+3.7
MAX.		+27.7	+18.8	+357	+347	+14.8	+15.4	+16.0	+20.3
MIN.		13.0	+1.1	+4	+5	+4.0	+4.6	+3.0	+2.8
AVG.	0.00	+11.5	+8.8	+191	+201	+10.8	+10.5	+10.2	+9.6
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (299) 26 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.09	+5.3	+2.3	+109	+143	+4.7	+4.0	+3.0	+2.7
100	8.09	+2.1	+1.2	+319	+174	+5.1	+3.3	+1.1	+1.8
200	8.09	+3.4	+2.3	+87	+168	+3.9	+2.4	+0.7	+1.0
300	8.09	+2.8	+4.1	+195	+207	+4.1	+2.5	+0.8	+0.3
400	8.09	+8.5	+4.1	+234	+228	+2.9	+0.0	-0.8	-0.4
500	8.09	+8.5	+5.6	+260	+243	+2.9	+0.4	-1.1	-1.1
600	8.09	+13.0	+7.7	+216	+204	+2.1	-1.2	-1.5	-1.5
700	8.09	+9.4	+3.6	+212	+226	+0.3	-2.0	-2.3	-1.5
800	8.09	+8.0	+5.8	+230	+220	+1.3	-1.1	-1.7	-1.6
900	8.09	+7.3	+6.0	+215	+212	+1.4	+1.5	+1.7	+0.2
1000	8.09	+6.9	+6.0	+250	+260	+4.4	+4.8	+5.4	+5.9
1100	8.09	+3.0	+1.6	+31	+60	+0.8	+3.1	+2.6	+8.3
1200	8.09	+4.8	+2.2	+59	+78	+4.4	+5.7	+5.7	+14.6
1300	8.09	+3.3	+3.9	+49	+4	+8.0	+8.7	+9.2	+19.9
1400	8.09	+7.9	+7.7	+322	+353	+10.0	+10.2	+11.1	+21.7
1500	8.09	+8.9	+7.3	+31	+27	+9.3	+9.8	+10.7	+21.1
1600	8.09	+4.3	+5.3	+322	+319	+10.2	+10.3	+11.0	+19.1
1700	8.09	+5.3	+4.8	+51	+54	+4.5	+6.6	+5.7	+10.4
1800	8.09	+4.5	+4.3	+27	+16	+8.1	+8.3	+8.3	+9.4
1900	8.09	+4.0	+2.8	+94	+129	+6.6	+6.2	+4.3	+6.6
2000	8.09	+6.5	+4.5	+132	+162	+7.0	+3.9	+3.2	+4.7
2100	8.09	+5.7	+4.1	+211	+237	+0.6	-0.7	-1.1	+0.0
2200	8.09	+7.9	+6.0	+204	+208	+4.0	+1.7	+1.2	+2.5
2300	8.09	+8.8	+5.8	+221	+213	+4.7	+1.4	+0.2	+1.6
MAX.		+13.0	+7.7	+322	+353	+10.2	+10.3	+11.1	+21.7
MIN.		+2.1	+1.2	+27	+4	+0.3	-2.0	-2.3	-1.6
AVG.	0.00	+6.3	+4.5	+170	+173	+4.6	+3.7	+3.2	+6.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (300) 27 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.09	+12.1	+8.0	+209	+212	+3.8	+0.9	+0.1	+0.6
100	8.09	+11.4	+4.0	+211	+215	+2.1	-1.0	-1.4	-0.2
200	8.09	+8.2	+5.9	+200	+205	+4.4	+0.6	+0.0	-0.7
300	8.09	+8.4	+4.8	+174	+215	+3.4	+1.4	+0.6	-1.1
400	8.09	+11.7	+7.0	+194	+212	+4.0	-0.8	-1.2	-1.6
500	8.09	+12.4	+7.4	+191	+213	+2.0	+0.3	-0.2	-1.7
600	8.09	+13.7	+9.2	+181	+204	+2.7	+0.7	+0.0	-1.8
700	8.09	+11.3	+7.1	+178	+194	+2.2	+1.1	+0.5	-2.1
800	8.09	+13.7	+9.1	+184	+209	+2.9	+1.2	+0.7	-1.9
900	8.09	+6.5	+6.3	+195	+202	+6.1	+6.3	+6.4	+0.8
1000	8.09	+7.5	+8.6	+177	+176	+9.1	+9.7	+10.2	+6.9
1100	8.09	+8.1	+6.7	+171	+180	+10.2	+10.4	+10.9	+9.0
1200	8.09	+5.9	+6.4	+328	+312	+1.5	+3.3	+3.1	+8.1
1300	8.09	+5.6	+4.6	+310	+285	+6.9	+7.4	+8.1	+12.5
1400	8.09	+6.4	+5.8	+21	+22	+10.1	+10.5	+11.5	+19.2
1500	8.09	+4.1	+2.9	+328	+327	+10.8	+11.1	+11.5	+15.5
1600	8.09	+3.1	+5.0	+74	+73	+12.5	+12.9	+13.6	+15.7
1700	8.09	+8.5	+7.9	+328	+328	+9.9	+10.3	+10.6	+10.9
1800	8.09	+7.0	+5.3	+62	+44	+8.5	+8.5	+8.4	+7.6
1900	8.09	+0.2	+1.8	+81	+186	+7.2	+6.8	+5.3	+6.3
2000	8.09	+2.5	+2.4	+3	+279	+6.8	+4.5	+3.4	+4.0
2100	8.09	+12.8	+8.4	+315	+312	+0.3	+3.4	+5.0	+2.0
2200	8.09	+9.3	+6.1	+294	+293	+4.6	+4.5	+4.5	+4.8
2300	8.09	+11.7	+5.6	+337	+350	+3.2	+3.3	+3.3	+4.2
MAX.		+13.7	+9.2	+337	+350	+12.5	+12.9	+13.6	+19.2
MIN.		+0.2	+1.8	+3	+22	+0.3	-1.0	-1.4	-2.1
AVG.	0.00	+8.4	+6.1	+198	+219	+5.6	+4.9	+4.8	+4.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (301) 28 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.14	+5.8	+4.1	+39	+48	+2.6	+2.9	+2.9	+4.3
100	8.14	+2.9	+0.4	+9	+342	+0.4	+0.3	+0.4	+1.6
200	8.14	+1.8	+0.0	+107	+90	+0.0	+0.1	+0.2	+1.6
300	8.14	+4.1	+1.6	+58	+63	-0.1	+0.0	+0.1	+1.5
400	8.14	+7.0	+5.9	+18	+12	-0.6	-0.4	-0.2	+1.4
500	8.14	+8.3	+5.4	+27	+22	-0.8	-0.7	-0.5	+1.5
600	8.14	+13.4	+10.2	+39	+28	-0.8	-0.7	-0.6	+1.4
700	8.14	+1.3	+1.8	+78	+64	-0.9	-0.7	-0.6	+1.4
800	8.14	+5.7	+3.3	+29	+19	-1.2	-1.0	-0.9	+1.3
900	8.14	+11.0	+8.0	+12	+17	-1.1	-0.7	-0.4	+1.2
1000	8.14	+10.9	+9.5	+365	+44	-14.4	-9.1	-3.5	-3.6
1100	8.14	+17.3	+15.6	+387	+377	-25.2	-18.9	-22.9	-22.3
1200	8.14	+10.0	+10.8	+311	+352	+0.0	+0.1	+0.9	+0.9
1300	8.14	+16.0	+12.2	+338	+340	+0.0	+0.2	+1.1	+0.9
1400	8.14	+13.9	+9.0	+24	+27	+0.1	+0.3	+1.0	+0.9
1500	8.14	+17.6	+11.8	+13	+8	-0.6	-0.4	+0.1	+0.8
1600	8.14	+18.0	+14.6	+343	+352	-0.9	-0.7	-0.3	+0.8
1700	8.14	+21.4	+13.7	+5	+347	-1.0	-0.8	-0.6	+0.8
1800	8.14	+20.9	+9.8	+19	+33	-1.6	-1.6	-1.5	+0.8
1900	8.14	+27.5	+17.1	+92	+7	-1.8	-1.7	-1.6	+0.8
2000	8.14	+19.3	+15.5	+8	+14	-2.2	-2.2	-1.8	+0.9
2100	8.14	+17.3	+11.0	+17	+12	-2.4	-2.3	-2.2	+0.9
2200	8.14	+13.8	+10.4	+13	+4	-2.4	-2.2	-2.2	+0.8
2300	8.14	+23.9	+16.6	+10	+23	-1.9	-1.9	-1.9	+0.8
MAX.		+27.5	+17.1	+387	+377	+2.6	+2.9	+2.9	+4.3
MIN.		+1.3	+0.0	+5	+4	-25.2	-18.9	-22.9	-22.3
AVG.	0.00	+12.9	+9.1	+98	+110	-2.4	-1.8	-1.5	+0.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (302) 29 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.14	+20.2	+13.7	+1	+18	-2.1	-2.0	-2.0	+0.8
100	8.14	+20.5	+14.9	+12	+338	-2.4	-2.4	-2.6	+0.9
200	8.14	+28.5	+15.7	+13	+11	-2.4	-2.4	-2.6	+0.9
300	8.14	+22.2	+14.9	+11	+5	-2.5	-2.5	-2.6	+0.9
400	8.14	+33.8	+22.0	+16	+29	-2.6	-2.5	-2.6	+0.9
500	8.14	+20.9	+18.6	+7	+149	-3.3	-3.2	-3.3	+1.0
600	8.14	+21.0	+11.3	+11	+17	-3.7	-3.9	-4.2	+0.9
700	8.14	+15.6	+11.5	+26	+16	-4.2	-4.2	-4.4	+0.9
800	8.14	+16.7	+12.3	+3	+8	-4.1	-4.5	-4.6	+0.9
900	8.14	+10.5	+9.3	+339	+354	-3.3	-3.3	-3.4	+0.9
1000	8.14	+20.5	+20.9	+12	+4	-2.1	-2.0	-1.6	+0.9
1100	8.14	+15.5	+12.3	+36	+26	-7.1	-5.1	-2.8	-1.5
1200	8.14	+20.8	+14.6	+22	+22	-7.7	-4.3	-3.4	-2.0
1300	8.14	+22.6	+13.0	+7	+23	-1.7	+0.0	+0.9	-0.3
1400	8.14	+22.1	+12.7	+17	+2	+1.2	+1.7	+2.5	+0.7
1500	8.14	+23.0	+18.6	+30	+15	-2.4	-1.5	-1.2	-1.9
1600	8.14	+14.3	+12.2	+45	+57	-0.5	-0.3	+0.0	+0.7
1700	8.14	+14.8	+11.6	+43	+20	-9.7	-6.6	-6.2	-4.8
1800	8.14	+11.9	+7.7	+60	+61	-11.3	-7.8	-7.8	-1.4
1900	8.14	+8.4	+4.1	+54	+55	-3.1	-3.8	-4.0	+0.8
2000	8.14	+7.8	+2.9	+60	+63	-3.5	-4.9	-5.9	+0.5
2100	8.14	+2.2	+2.7	+124	+189	-5.2	-5.9	-7.4	+0.4
2200	8.14	+0.8	+1.7	+50	+183	-9.3	-7.4	-8.2	-4.6
2300	8.14	+2.4	+0.0	+63	+153	-4.8	-6.5	-8.0	+0.3
MAX.		+33.8	+22.0	+339	+354	+1.2	+1.7	+2.5	+1.0
MIN.		+0.8	+0.0	+1	+2	-11.3	-7.8	-8.2	-4.8
AVG.	0.00	+16.5	+11.6	+44	+76	-4.1	-3.6	-3.6	-0.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (303) 30 OCT. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	8.14	+4.9	+4.7	+227	+229	-9.4	-10.5	-9.8	-1.4
100	8.14	+4.0	+2.9	+255	+221	-6.0	-10.0	-10.4	+0.2
200	8.14	+3.4	+2.4	+4	+223	-5.0	-8.5	-10.3	+0.3
300	8.14	+2.1	+4.5	+234	+209	-7.0	-10.3	-10.8	+0.3
400	8.14	+4.4	+4.1	+220	+231	-7.2	-10.9	-11.3	+0.2
500	8.14	+1.4	+4.1	+271	+234	-7.6	-8.3	-11.4	+0.2
600	8.14	+5.2	+1.6	+48	+45	-5.9	-7.1	-9.0	+0.2
700	8.14	+2.7	+2.9	+275	+214	-8.1	-11.7	-12.4	+0.2
800	8.14	+3.4	+4.0	+227	+218	-8.1	-11.6	-12.3	+0.1
900	8.14	+4.2	+5.3	+222	+220	-6.6	-8.8	-8.6	+0.1
1000	8.14	+2.4	+2.4	+231	+222	-5.9	-4.2	-2.9	-4.2
1100	8.14	+5.7	+5.1	+49	+40	-6.9	-3.2	-1.2	-4.5
1200	8.14	+6.9	+7.4	+32	+37	-5.9	-2.3	-0.7	-2.9
1300	8.14	+13.8	+11.0	+32	+28	-9.9	-6.2	-5.9	-5.2
1400	8.14	+10.8	+9.1	+51	+44	-1.3	-0.3	+0.7	+0.2
1500	8.14	+10.2	+3.1	+63	+95	+0.4	+1.7	+2.9	+0.3
MAX.		+13.8	+11.0	+275	+234	+0.4	+1.7	+2.9	+0.3
MIN.		+1.4	+1.6	+4	+28	-9.9	-11.7	-12.4	-5.2
AVG.	0.00	+5.3	+4.7	+153	+157	-6.3	-7.0	-7.1	-1.0
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (304) 31 OCT. '79

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 274		DAY 275		TIME	DAY 276		DAY 277	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
2.2	2.7	0.7	1.9	0	2.0	3.9	3.6	4.0
1.7	2.2	1.4	3.9	100	4.0	4.9	4.2	4.5
2.0	2.9	2.1	2.9	200	2.4	3.6	4.6	5.2
1.5	1.9	1.6	2.3	300	2.9	3.3	5.4	5.9
3.2	3.9	3.1	4.6	400	1.2	4.8	5.8	6.8
3.0	3.9	2.6	3.3	500	0.7	1.8	5.8	6.5
1.1	1.6	3.2	4.0	600	0.9	2.6	2.7	3.1
2.9	3.2	3.4	3.9	700	2.5	3.6	5.2	5.6
1.9	2.0	2.8	3.2	800	1.0	2.0	1.7	4.0
-2.5	-3.0	-1.3	-0.4	900	-0.6	-1.1	-0.6	-0.9
-2.1	-3.5	-0.5	-1.4	1000	-3.8	-3.6	-2.2	-7.1
-2.2	-4.2	-1.2	-1.4	1100	-1.0	-2.5	0.8	-0.1
-0.3	-1.3	-1.6	-3.3	1200	-1.9	-3.8	-0.4	-1.5
-0.2	-1.4	-0.8	-2.3	1300	-0.7	-1.6	1.6	-3.5
-1.6	-3.3	-2.1	-2.0	1400	-1.0	-5.2	-0.5	-1.5
-0.7	-1.7	-0.2	-1.5	1500	-1.0	0.6	-0.2	-1.2
-1.0	-2.1	-1.0	-1.9	1600	-1.2	-2.5	-2.5	-4.0
-4.5	-5.4	-0.4	-0.8	1700	-2.6	-0.2	0.2	1.9
-2.0	-1.4	-0.1	-0.2	1800	-3.2	-1.8	-0.3	-0.6
-0.6	1.7	0.2	0.3	1900	0.6	1.1	0.2	0.7
0.9	3.3	-1.5	-1.6	2000	0.9	2.0	-2.0	-0.4
1.8	1.9	1.0	1.7	2100	1.1	2.0	3.0	4.1
1.3	1.9	1.1	2.5	2200	1.4	3.6	3.0	3.4
1.9	2.5	0.8	1.9	2300	3.4	4.3	4.0	5.2

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 278		DAY 279		TIME	DAY 280		DAY 281	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
4.3	5.4	3.6	4.9	0	3.0	3.7	1.6	2.2
3.4	4.3	3.9	4.7	100	4.1	4.9	0.4	1.0
3.6	4.6	5.5	6.6	200	5.3	6.3	2.1	2.5
4.4	5.5	6.2	6.9	300	5.1	6.0	1.1	2.2
4.8	5.6	5.4	6.0	400	4.9	5.5	0.0	0.4
5.2	6.4	2.4	5.7	500	5.3	5.8	1.8	2.4
4.8	5.8	6.4	6.9	600	4.9	5.9	3.3	4.4
5.5	5.8	7.1	8.0	700	4.0	4.5	3.6	4.2
3.5	3.7	5.5	5.7	800	3.3	3.8	1.8	2.0
-0.3	-0.7	-0.3	-0.7	900	-0.5	-0.8	-2.3	-3.8
-0.7	-1.3	-1.2	-0.4	1000	-0.4	-1.2	-0.5	-1.3
-2.0	-3.2	-0.4	0.4	1100	-0.3	-1.1	-1.7	-3.1
-0.2	-1.3	-0.7	-1.7	1200	-0.1	-0.9	-0.4	-1.7
-0.1	-1.3	-0.4	-1.5	1300	-0.3	-1.3	-0.2	0.7
-0.9	-1.9	-0.4	-1.4	1400	-1.6	-2.9	-0.1	1.1
-1.2	-1.8	-0.8	-1.9	1500	-0.9	-1.8	-1.0	-1.4
-0.5	-1.6	-0.6	-1.5	1600	-0.2	-1.0	-1.8	-3.4
-0.2	-0.9	-0.4	-1.0	1700	-0.8	-1.8	-2.1	-4.1
-3.8	-5.3	-0.2	-0.4	1800	-0.3	-0.7	-0.2	-0.6
1.5	1.9	2.2	2.7	1900	0.7	0.9	-0.4	-0.8
1.1	0.8	0.8	1.1	2000	0.8	1.1	1.1	2.0
1.1	1.7	0.2	-0.5	2100	2.0	2.8	1.7	2.5
2.2	2.8	2.7	3.2	2200	1.3	1.7	1.6	2.1
1.6	2.1	2.6	3.1	2300	1.5	2.1	2.3	3.2

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 282		DAY 283		TIME	DAY 284		DAY 285	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
2.9	3.6	2.6	3.0	0	4.5	5.9	3.0	3.6
1.6	2.0	1.3	1.7	100	4.8	5.6	-2.5	-4.3
2.5	4.2	4.6	5.5	200	5.2	6.5	3.1	4.1
1.4	3.9	4.2	5.3	300	6.3	7.3	5.8	6.2
1.8	2.9	4.8	5.2	400	6.2	7.3	4.0	4.5
1.1	2.6	6.2	7.1	500	6.1	7.0	3.8	4.2
0.4	0.9	1.6	4.5	600	5.7	6.8	3.9	4.1
0.6	1.2	2.2	5.6	700	5.5	8.4	3.1	3.6
0.2	0.4	4.5	5.7	800	4.1	4.7	-2.0	-3.9
-0.3	2.1	0.5	0.2	900	0.0	-0.2	1.0	0.6
0.3	2.9	-0.9	-0.3	1000	-0.4	-1.3	-3.9	-6.4
-0.3	-1.1	-0.1	0.5	1100	-0.6	-1.8	-1.0	0.8
-0.1	-1.0	-3.6	-5.8	1200	-0.3	-1.4	-0.3	-1.2
-1.0	-2.0	-0.9	-2.1	1300	-0.5	-1.4	-0.8	-2.0
-0.8	-2.2	0.1	-1.1	1400	-0.7	-1.4	-3.5	-6.0
0.3	2.3	0.0	0.6	1500	-0.5	0.5	-1.1	-0.5
-0.3	-1.1	-4.1	-6.4	1600	-0.4	-1.0	-2.1	-3.6
-0.6	-1.3	-0.3	-0.8	1700	-4.7	-7.4	-0.2	-0.9
-0.8	3.6	-4.4	-4.0	1800	-0.2	-0.4	-0.3	-0.5
-2.0	0.1	0.5	1.7	1900	1.0	1.2	-3.7	-5.1
1.7	3.2	1.1	1.5	2000	0.6	0.9	1.6	3.1
0.1	1.7	-2.8	-4.5	2100	1.5	2.0	3.2	4.6
3.3	3.9	3.3	4.0	2200	2.6	3.3	3.7	5.0
2.5	3.2	3.9	4.7	2300	3.1	3.5	1.7	2.0

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 286		DAY 287		TIME	DAY 288	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]
4.5	5.1	2.1	2.6	0	-1.7	-0.6
2.4	3.0	0.9	1.4	100	0.5	0.7
4.1	4.9	0.6	0.7	200	0.3	0.4
3.1	3.6	0.9	1.0	300	0.4	0.6
4.7	5.8	1.7	1.9	400	0.7	0.9
5.0	5.7	0.8	0.9	500	0.6	0.9
4.7	6.2	0.8	1.0	600	0.4	0.6
3.5	3.9	0.5	0.8	700	0.7	1.1
0.9	3.8	0.8	1.0	800	0.2	0.7
-0.7	4.5	0.8	0.7	900	-2.1	-2.4
-0.2	-0.6	-0.2	-0.8	1000	-1.9	0.4
-0.1	-0.9	-0.8	-2.0	1100	0.4	0.8
-0.6	-1.9	-0.5	-1.3	1200	-1.8	-0.9
-0.3	-1.5	-0.5	-1.6	1300	-0.3	-1.6
-0.9	-2.3	-0.6	-1.2	1400	-1.4	-3.6
-1.1	-2.3	-0.8	-2.4	1500	-1.4	-1.0
-0.7	-1.6	-0.3	-0.8	1600	-0.6	-1.7
-0.3	-0.6	-0.2	0.0	1700	-0.4	-1.3
-1.2	0.6	-0.1	-0.1	1800	0.0	0.4
1.5	2.1	0.0	0.0	1900	0.3	0.8
1.4	2.7	0.8	1.6	2000	0.7	1.1
1.4	4.8	0.1	0.5	2100	1.1	1.2
0.8	1.4	0.7	1.5	2200	0.2	0.3
1.2	1.6	0.6	1.0	2300	0.3	0.6

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 289		DAY 290		TIME	DAY 291		DAY 292	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.1	0.5	2.4	2.9	0	0.1	0.1	-0.2	-0.2
0.0	0.2	3.1	3.4	100	0.2	0.6	-0.1	-0.1
0.2	0.2	1.7	2.0	200	0.0	0.1	-0.1	-0.1
0.0	0.1	4.4	4.5	300	0.1	0.6	-0.1	-0.1
0.4	1.0	2.7	3.4	400	1.1	1.7	-0.1	-0.1
0.8	1.2	3.6	4.1	500	2.3	2.8	0.0	0.0
0.5	1.4	3.3	4.5	600	2.6	3.2	0.0	0.0
0.9	3.5	2.7	4.1	700	1.8	2.3	0.1	0.2
0.1	1.4	1.0	1.8	800	2.5	3.0	-0.1	-0.1
-0.6	-1.1	-0.2	-0.4	900	-0.3	-0.4	-0.2	-0.3
-2.1	-3.8	-1.1	1.0	1000	-3.4	-4.1	0.1	-0.3
-0.5	-1.4	-3.1	-5.6	1100	-1.7	-2.2	-0.5	-1.1
-0.6	-2.1	-0.4	-1.3	1200	-0.4	2.4	-0.6	-1.6
-0.9	-2.6	-0.1	-1.1	1300	-0.4	-1.2	-3.7	-4.1
-0.6	-2.1	-1.0	-2.2	1400	-0.4	-0.9	-3.9	-5.9
-0.1	1.1	-3.7	-3.6	1500	-1.9	-1.7	-0.6	-1.2
-0.3	-1.4	-2.3	-1.2	1600	-1.8	-2.9	-0.5	-1.2
-2.4	-4.3	-3.4	-2.4	1700	-0.8	-1.2	-2.7	-1.9
0.1	2.7	-0.2	-0.3	1800	-0.1	-0.3	-0.2	-0.3
-1.1	0.7	0.1	0.1	1900	-1.3	-0.7	-0.7	-1.0
1.6	5.5	0.0	-0.1	2000	0.0	-0.1	-0.1	-0.1
1.4	2.5	-0.3	0.4	2100	-0.1	-0.1	-0.1	-0.1
1.9	2.8	-0.2	-0.3	2200	-0.1	-0.1	0.0	0.0
4.1	4.7	0.0	0.1	2300	-0.2	-0.3	-0.1	-0.2

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 293		DAY 294		TIME	DAY 295		DAY 296	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
-0.1	-0.1	0.8	1.4	0	0.7	0.9	0.6	0.9
-0.1	-0.1	0.0	-0.1	100	0.5	0.7	0.3	0.6
-0.2	-0.5	-0.2	-0.4	200	0.6	0.7	0.7	1.0
-0.3	-0.5	0.1	0.2	300	0.6	0.7	1.4	1.9
-0.2	-0.4	-0.1	-0.3	400	0.5	0.6	1.2	1.6
-0.3	-0.5	-0.2	-0.3	500	0.8	1.0	0.7	1.0
-0.2	-0.3	-0.2	-0.3	600	0.9	1.5	1.2	1.5
-0.2	-0.4	-0.1	-0.2	700	0.7	0.9	0.3	0.7
-0.2	-0.4	0.0	-0.1	800	0.7	1.0	0.8	1.6
-0.3	-0.6	0.3	0.2	900	-5.0	-6.2	-3.5	-3.0
%-13.2	%-22.7	-0.6	-1.0	1000	-1.5	-3.5	-1.4	-0
-0.5	-0.8	0.0	-1.5	1100	-0.6	-1.4	-4.3	-3.8
-0.3	-0.6	-0.3	-0.8	1200	-1.9	-4.0	-5.3	-4.6
-0.3	-0.4	-0.8	-1.4	1300	-0.6	-1.4	-0.3	-1.4
5.3	22.8	-0.3	-0.9	1400	-0.6	-1.6	-4.6	-6.4
-3.4	-1.4	-0.5	-0.3	1500	-0.5	-0.9	-1.1	-2.2
-0.2	-0.4	-0.3	-0.6	1600	-4.5	-6.5	-0.6	-1.0
-0.4	-1.2	-0.2	-0.5	1700	-0.3	-0.8	-1.5	-0.2
-0.1	-0.3	-0.2	-0.3	1800	-0.1	-0.2	-0.2	-0.3
0.0	0.0	2.1	3.0	1900	0.0	0.6	1.5	2.2
0.5	0.6	1.5	2.6	2000	-1.6	-2.7	-2.0	0.6
-2.5	0.0	2.0	2.7	2100	0.5	1.0	1.9	3.3
0.7	1.1	2.7	3.2	2200	0.4	1.0	1.0	2.3
0.6	1.1	0.6	0.9	2300	0.6	0.9	2.1	3.3

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 297		DAY 298		TIME	DAY 299		DAY 300	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
3.9	4.9	2.7	3.5	0	0.5	0.8	0.7	1.7
4.1	4.0	2.1	3.2	100	0.5	0.0	1.0	4.0
1.5	2.3	2.9	4.2	200	0.7	1.3	1.5	3.2
1.7	3.4	1.6	2.2	300	0.7	1.0	1.6	3.3
0.8	1.5	1.3	2.1	400	1.0	1.6	2.9	3.7
1.5	4.4	0.6	0.8	500	1.1	1.6	2.5	4.0
0.5	2.0	2.5	3.1	600	1.4	3.1	3.3	3.6
2.2	3.7	2.3	3.0	700	0.9	1.8	2.3	2.6
2.6	3.0	1.6	2.5	800	1.5	2.5	2.4	3.0
-1.4	-3.0	-1.3	-2.8	900	0.0	0.0	-0.1	-0.3
-0.1	-0.3	-0.4	-0.8	1000	-0.5	-1.1	-0.4	-1.0
-4.1	-2.4	-1.9	-2.4	1100	-0.1	-0.9	-2.3	-1.8
-1.0	0.1	-0.6	-1.7	1200	-0.4	-1.1	-1.3	-1.3
-0.4	-1.3	-3.3	-2.7	1300	-1.1	-0.3	-0.7	-1.2
-0.7	-1.2	-0.6	-1.2	1400	-0.4	-0.9	-0.2	-1.1
-0.3	-1.0	-2.6	-2.2	1500	-1.9	-1.3	-0.5	-1.4
-0.3	-0.9	-0.8	-1.6	1600	-0.6	-1.2	-0.1	-0.8
-3.6	-2.8	-0.4	-0.9	1700	-0.4	-0.7	-2.1	-1.2
-0.2	-0.2	-0.2	-0.2	1800	-0.3	-0.5	-0.2	-0.2
-1.7	0.3	0.3	0.5	1900	0.4	0.7	0.4	2.3
-2.2	-0.7	-0.8	-0.8	2000	0.6	1.1	3.1	3.8
0.9	4.6	0.5	0.7	2100	-1.2	-1.5	1.3	1.7
1.6	2.1	0.5	0.7	2200	1.5	2.5	2.3	2.8
3.4	4.7	0.4	0.6	2300	1.9	3.5	3.3	4.5

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 301		DAY 302		TIME	DAY 303		DAY 304	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
2.9	3.7	-0.3	-0.3	0	-0.1	-0.1	1.1	0.4
3.1	3.5	0.1	0.0	100	0.0	0.2	4.0	4.4
3.8	4.4	-0.1	-0.2	200	0.0	0.2	3.5	5.3
2.0	2.8	-0.1	-0.2	300	0.0	0.1	3.3	3.8
4.8	5.2	-0.2	-0.4	400	-0.1	0.0	3.7	4.1
1.7	2.2	-0.1	-0.3	500	-0.1	0.0	0.7	3.8
2.0	2.7	-0.1	-0.2	600	0.2	0.5	1.2	3.1
1.1	1.7	-0.2	-0.3	700	0.0	0.2	3.6	4.3
1.7	2.2	-0.2	-0.3	800	0.4	0.5	3.5	4.2
-0.2	-0.3	-0.4	-0.7	900	0.0	0.1	2.2	2.0
-0.6	-1.1	-5.3	-10.9	1000	-0.1	-0.5	-1.7	-3.0
-0.2	-0.7	-6.3	-2.3	1100	-2.0	-4.3	-3.7	-5.7
-1.8	-1.6	-0.1	-0.9	1200	-3.4	-4.3	-3.6	-5.2
-0.5	-1.2	-0.2	-1.1	1300	-1.7	-2.6	-3.7	-4.0
-0.4	-1.4	-0.2	-0.9	1400	-0.5	-1.3	-1.0	-2.0
-0.3	-0.7	-0.2	-0.7	1500	-0.9	-1.2	-1.3	-2.5
-0.4	-1.1	-0.2	-0.6	1600	-0.2	-0.5		
-0.4	-0.7	-0.2	-0.4	1700	-3.1	-3.5		
0.0	0.1	0.0	-0.1	1800	-3.5	-3.5		
0.4	1.9	-0.1	-0.2	1900	0.7	0.9		
2.3	3.4	0.0	-0.4	2000	1.4	2.4		
-3.1	-4.7	-0.1	-0.2	2100	0.7	2.2		
0.1	0.1	-0.2	-0.2	2200	-1.9	-1.1		
-0.2	-0.3	0.0	0.0	2300	1.7	3.2		

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station #1

1 NOVEMBER 1979 through 30 NOVEMBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

James B. Mershon, Vice Pres.

PRECIPITATION RECORDINGS

1 NOVEMBER 1979 through 30 NOVEMBER 1979

DAY	310	(6 NOVEMBER)	-	.02"	1600 hrs.
DAY	322	(18 NOVEMBER)	-	.61"	1300 - 1600, 2000
DAY	323	(19 NOVEMBER)	-	.07"	1200 - 1400, 2000
DAY	324	(20 NOVEMBER)	-	.37"	0100 - 1000, 1300 - 1600, 2100
DAY	325	(21 NOVEMBER)	-	.21"	0700 - 1600
DAY	326	(22 NOVEMBER)	-	.06"	1200 - 1400
DAY	327	(23 NOVEMBER)	-	.12"	1000 - 1500
DAY	330	(26 NOVEMBER)	-	.04"	1200 - 1500

1.50" TOTAL FOR PERIOD

PERFORMANCE EVALUATION

100% data retrieval accomplished with the following exceptions:

1. No data available between period of 1500 hrs., Oct. 30 and 1600 hrs., Nov. 2, because of relocation of met. tower.
2. Soil Temp. eliminated after move to new locations and now shows only as check channel.

GEOKINETICS MET STATION 1 WIND ROSE VALUES

100' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
7	8	5	1	(21)	N	10	23	6	1	(40)	
7	17	5	4	(33)	N N E	9	14	5	1	(29)	
4	29	4	2	(39)	N E	8	18	1	1	(28)	
11	11	1	0	(23)	E N E	7	10	0	0	(17)	
2	3	0	0	(5)	E	10	3	0	0	(13)	
12	8	1	0	(21)	E S E	6	3	0	0	(9)	
8	5	5	0	(18)	S E	11	4	1	1	(17)	
6	7	13	12	(38)	S S E	7	14	6	4	(31)	
3	16	40	56	(115)	S	14	23	34	8	(79)	
4	31	61	25	(121)	S S W	16	94	72	5	(187)	
3	25	22	4	(54)	S W	7	40	27	0	(74)	
4	10	6	4	(24)	W S W	6	11	5	1	(23)	
3	5	11	5	(24)	W	6	7	5	0	(18)	
1	18	18	11	(48)	W N W	3	16	10	2	(31)	
3	15	26	7	(51)	N W	6	31	8	4	(49)	
7	19	16	3	(45)	N N W	5	20	9	1	(35)	

(85)(227)(234)(134)

(131)(331)(189)(29)

100' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
1.0	1.2	0.7	0.1	(3.1)	N	1.5	3.4	0.9	0.1	(5.9)	
1.0	2.5	0.7	0.6	(4.9)	N N E	1.3	2.1	0.7	0.1	(4.3)	
0.6	4.3	0.6	0.3	(5.7)	N E	1.2	2.6	0.1	0.1	(4.1)	
1.6	1.6	0.1	0.0	(3.4)	E N E	1.0	1.5	0.0	0.0	(2.5)	
0.3	0.4	0.0	0.0	(0.7)	E	1.5	0.4	0.0	0.0	(1.9)	
1.8	1.2	0.1	0.0	(3.1)	E S E	0.9	0.4	0.0	0.0	(1.3)	
1.2	0.7	0.7	0.0	(2.6)	S E	1.6	0.6	0.1	0.1	(2.5)	
0.9	1.0	1.9	1.8	(5.6)	S S E	1.0	2.1	0.9	0.6	(4.6)	
0.4	2.4	5.9	8.2	(16.9)	S	2.1	3.4	5.0	1.2	(11.6)	
0.6	4.6	9.0	3.7	(17.8)	S S W	2.4	13.8	10.6	0.7	(27.5)	
0.4	3.7	3.2	0.6	(7.9)	S W	1.0	5.9	4.0	0.0	(10.9)	
0.6	1.5	0.9	0.6	(3.5)	W S W	0.9	1.6	0.7	0.1	(3.4)	
0.4	0.7	1.6	0.7	(3.5)	W	0.9	1.0	0.7	0.0	(2.6)	
0.1	2.6	2.6	1.6	(7.1)	W N W	0.4	2.4	1.5	0.3	(4.6)	
0.4	2.2	3.8	1.0	(7.5)	N W	0.9	4.6	1.2	0.6	(7.2)	
1.0	2.8	2.4	0.4	(6.6)	N N W	0.7	2.9	1.3	0.1	(5.1)	

(12.5)(33.4)(34.4)(19.7)

(19.3)(48.7)(27.8)(4.3)

FROM 306 1600 THRU 334 2300

FOR 680 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
1600	0.00	+2.7	+1.6	+121	+126	+5.1	+6.1	+6.8	-51.3
1700	0.00	+7.9	+5.3	+291	+300	+1.3	+0.8	+0.2	-50.9
1800	0.00	+3.3	+3.4	+308	+299	+0.4	-1.0	-2.9	-50.9
1900	0.00	+5.2	+2.7	+217	+235	-0.4	-2.4	-3.4	-51.2
2000	0.00	+9.0	+6.9	+187	+194	-3.3	-4.2	-5.1	-51.2
2100	0.00	+13.0	+6.6	+175	+206	+0.0	-4.0	-4.8	-51.3
2200	0.00	+9.4	+8.1	+200	+203	-2.4	-5.0	-5.7	-51.2
2300	0.00	+13.2	+10.3	+212	+207	-3.8	-4.9	-5.4	-51.2
MAX.		+13.2	+10.3	+308	+300	+5.1	+6.1	+6.8	-50.9
MIN.		+2.7	+1.6	+121	+126	-3.8	-5.0	-5.7	-51.3
AVG.	0.00	+8.0	+5.6	+214	+221	-0.4	-1.8	-2.5	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (306) 2 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+13.4	+9.4	+182	+194	-2.1	-4.4	-4.9	-51.2
100	0.00	+14.9	+10.0	+179	+198	-2.0	-3.7	-4.4	-51.3
200	0.00	+17.4	+8.4	+164	+175	-1.6	-2.6	-3.1	-51.3
300	0.00	+13.4	+7.8	+186	+188	-2.0	-3.2	-3.9	-51.3
400	0.00	+12.0	+8.4	+181	+175	-1.6	-1.8	-2.2	-51.3
500	0.00	+12.2	+10.0	+189	+202	-0.8	-0.9	-1.1	-51.3
600	0.00	+10.8	+4.4	+184	+178	-1.1	-1.3	-1.4	-51.3
700	0.00	+10.4	+5.8	+184	+179	-1.5	-2.0	-2.3	-51.3
800	0.00	+12.0	+10.6	+181	+185	+0.0	+0.4	+0.9	-51.3
900	0.00	+10.7	+5.3	+195	+207	+1.0	+1.6	+2.3	-51.3
1000	0.00	+16.9	+11.6	+184	+207	+2.1	+2.6	+2.9	-51.3
1100	0.00	+7.4	+7.4	+194	+171	+4.3	+5.1	+6.0	-51.3
1200	0.00	+9.5	+8.7	+152	+149	+4.9	+5.4	+5.9	-51.4
1300	0.00	+8.7	+7.9	+168	+183	+5.2	+5.7	+6.2	-51.3
1400	0.00	+11.3	+11.7	+191	+186	+7.1	+8.0	+9.1	-51.3
1500	0.00	+12.9	+11.5	+162	+160	+7.2	+7.9	+8.3	-51.4
1600	0.00	+17.2	+17.7	+204	+203	+6.8	+7.1	+7.3	-51.3
1700	0.00	+12.9	+10.3	+201	+200	+5.4	+5.0	+4.5	-51.3
1800	0.00	+9.4	+5.5	+190	+196	+4.1	+2.9	+2.0	-51.3
1900	0.00	+9.0	+7.5	+228	+232	+3.7	+3.0	+2.3	-51.3
2000	0.00	+14.3	+9.8	+168	+177	+3.0	+2.6	+2.1	-51.3
2100	0.00	+13.6	+9.7	+196	+219	+3.7	+3.4	+3.2	-51.3
2200	0.00	+15.4	+8.3	+210	+214	+3.9	+2.8	+2.4	-51.3
2300	0.00	+5.4	+5.2	+253	+245	+2.5	+2.2	+1.1	-51.2
MAX.		+17.4	+17.7	+253	+245	+7.2	+8.0	+9.1	-51.2
MIN.		+5.4	+4.4	+152	+149	-2.1	-4.4	-4.9	-51.4
AVG.	0.00	+12.1	+8.9	+189	+193	+2.2	+1.9	+1.8	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (307) 3 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+4.1	+3.8	+159	+159	+2.7	+2.1	-0.1	-51.3
100	0.00	+9.8	+7.0	+179	+186	+3.3	+2.0	+0.1	-51.3
200	0.00	+8.7	+5.6	+248	+262	+1.6	+0.8	+0.2	-51.2
300	0.00	+6.8	+7.2	+233	+245	+2.1	+0.9	-0.4	-51.2
400	0.00	+8.1	+7.1	+220	+208	+2.5	+0.9	-0.8	-51.3
500	0.00	+10.1	+6.6	+198	+206	+1.1	+0.2	-1.9	-51.3
600	0.00	+21.4	+17.1	+165	+147	+3.6	+3.0	+2.6	-51.3
700	0.00	+15.1	+13.6	+267	+286	-0.7	-2.2	-2.1	-51.0
800	0.00	+10.4	+8.0	+214	+203	-1.8	-2.8	-2.7	-51.2
900	0.00	+5.4	+4.5	+233	+274	+2.3	+2.5	+2.8	-51.2
1000	0.00	+9.6	+6.9	+196	+186	+7.0	+8.4	+9.7	-51.3
1100	0.00	+14.5	+11.4	+220	+208	+6.9	+7.9	+9.0	-51.3
1200	0.00	+8.0	+4.3	+296	+325	+5.2	+5.3	+5.7	-51.1
1300	0.00	+8.8	+5.4	+246	+228	+6.5	+7.1	+7.5	-51.3
1400	0.00	+18.1	+14.5	+202	+203	+5.8	+6.9	+7.8	-51.3
1500	0.00	+12.1	+8.1	+241	+257	+4.8	+5.2	+5.4	-51.2
1600	0.00	+8.4	+9.1	+263	+271	+5.1	+5.4	+5.7	-51.2
1700	0.00	+10.6	+5.5	+251	+245	+3.9	+3.3	+2.8	-51.2
1800	0.00	+7.9	+5.4	+228	+221	+3.4	+2.4	+0.9	-51.3
1900	0.00	+9.4	+6.9	+209	+203	+2.3	-0.1	-0.6	-51.3
2000	0.00	+9.9	+7.8	+226	+215	+1.7	-0.2	-1.1	-51.2
2100	0.00	+11.2	+9.2	+206	+210	+1.4	-0.9	-1.4	-51.3
2200	0.00	+12.0	+8.6	+200	+202	+0.9	-1.6	-1.9	-51.2
2300	0.00	+10.7	+7.6	+220	+212	+0.7	-2.0	-2.7	-51.2
MAX.		+21.4	+17.1	+296	+325	+7.0	+8.4	+9.7	-51.0
MIN.		+4.1	+3.8	+159	+147	-1.8	-2.8	-2.7	-51.3
AVG.	0.00	+10.5	+8.0	+222	+223	+3.0	+2.3	+1.9	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (308) 4 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP.	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+6.0	+5.3	+247	+203	+0.7	-2.1	-2.9	-51.2
100	0.00	+10.6	+8.3	+203	+215	-0.6	-3.0	-3.6	-51.2
200	0.00	+8.5	+8.3	+210	+215	+0.3	-3.1	-3.5	-51.2
300	0.00	+12.9	+9.9	+200	+208	+0.0	-3.4	-3.8	-51.2
400	0.00	+11.6	+10.5	+210	+219	-0.5	-3.6	-4.0	-51.2
500	0.00	+12.3	+9.9	+200	+204	-0.7	-3.7	-3.9	-51.2
600	0.00	+9.6	+7.7	+206	+211	-1.0	-3.4	-4.0	-51.2
700	0.00	+8.4	+7.2	+205	+218	-0.8	-3.5	-4.2	-51.2
800	0.00	+9.9	+5.3	+202	+233	-0.7	-1.6	-1.1	-51.3
900	0.00	+4.9	+1.9	+250	+300	+2.7	+3.9	+4.5	-51.2
1000	0.00	+9.6	+7.7	+298	+293	+2.2	+3.2	+3.7	-51.0
1100	0.00	+9.1	+9.0	+301	+310	+3.0	+3.9	+5.1	-51.0
1200	0.00	+7.4	+5.5	+338	+324	+3.8	+4.7	+5.4	-50.6
1300	0.00	+8.6	+8.0	+341	+326	+4.5	+5.0	+5.6	-50.7
1400	0.00	+6.2	+6.1	+68	+354	+5.5	+5.8	+6.1	-50.4
1500	0.00	+2.5	+0.9	+77	+77	+6.5	+7.4	+7.2	-51.3
1600	0.00	+5.1	+2.2	+65	+85	+5.2	+5.7	+5.9	-51.3
1700	0.00	+6.7	+3.9	+42	+51	+4.3	+3.9	+3.1	-51.3
1800	0.00	+5.6	+3.5	+73	+102	+3.1	+2.2	+1.1	-51.4
1900	0.00	+7.4	+4.5	+134	+148	+3.9	+2.1	+0.7	-51.3
2000	0.00	+14.5	+8.7	+174	+181	+3.1	+1.5	+1.1	-51.3
2100	0.00	+11.1	+7.4	+173	+197	+3.1	+0.1	-0.5	-51.3
2200	0.00	+10.7	+8.1	+177	+204	+3.8	-0.5	-1.1	-51.3
2300	0.00	+14.0	+10.0	+176	+199	+3.8	-0.9	-1.3	-51.3
MAX.		+14.5	+10.5	+341	+354	+6.5	+7.4	+7.2	-50.4
MIN.		+2.5	+0.9	+42	+51	-1.0	-3.7	-4.2	-51.4
AVG.	0.00	+8.9	+6.7	+190	+212	+2.3	+0.9	+0.7	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (309) 5 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.00	+14.0	+10.0	+191	+201	+0.8	-1.1	-1.4	-51.3
100	0.00	+10.2	+5.6	+211	+228	-1.1	-2.0	-2.6	-51.2
200	0.00	+14.0	+9.6	+187	+206	+0.1	-1.8	-2.3	-51.3
300	0.00	+13.2	+7.4	+166	+177	+1.2	-2.2	-2.4	-51.3
400	0.00	+4.6	+2.8	+207	+195	-2.8	-3.5	-3.6	-51.2
500	0.00	+3.9	+4.7	+180	+205	-0.5	-1.2	-2.1	-51.2
600	0.00	+6.2	+4.4	+247	+233	-0.5	-1.3	-2.5	-51.2
700	0.00	+4.8	+4.5	+205	+218	-0.4	-2.7	-2.9	-51.2
800	0.00	+1.6	+3.5	+133	+208	+0.3	-1.4	-1.3	-51.3
900	0.00	+1.2	+0.5	+106	+88	+4.4	+5.2	+5.3	-51.3
1000	0.00	+2.5	+2.4	+343	+350	+4.0	+4.2	+4.4	-51.3
1100	0.00	+3.1	+3.2	+73	+53	+6.1	+6.7	+7.5	-51.3
1200	0.00	+9.2	+9.7	+145	+145	+7.3	+7.8	+9.4	-51.3
1300	0.00	+6.4	+4.9	+319	+342	+6.0	+6.3	+6.9	-50.8
1400	0.00	+8.7	+6.2	+317	+316	+6.0	+6.8	+7.2	-51.0
1500	0.00	+6.6	+5.0	+310	+313	+4.6	+5.0	+5.3	-50.9
1600	0.02	+5.8	+5.1	+40	+44	+4.1	+4.3	+4.5	-51.3
1700	0.02	+1.4	+0.2	+59	+71	+3.1	+3.0	+3.1	-51.3
1800	0.02	+1.6	+1.1	+104	+135	+2.2	+2.0	+1.5	-51.4
1900	0.02	+0.4	+1.1	+120	+187	+1.9	+2.2	+1.3	-51.3
2000	0.02	+9.0	+6.8	+198	+214	+2.9	+1.2	+1.0	-51.3
2100	0.02	+1.1	+1.9	+159	+2	+2.9	+1.7	+0.6	-51.3
2200	0.02	+7.3	+6.3	+231	+228	+4.4	+0.8	+0.4	-51.3
2300	0.02	+6.3	+5.1	+234	+230	+4.3	+1.7	+1.1	-51.3
MAX.		+14.0	+10.0	+343	+350	+7.3	+7.8	+9.4	-50.8
MIN.		+0.4	+0.2	+40	+2	-2.8	-3.5	-3.6	-51.4
AVG.	0.02	+6.0	+4.7	+187	+191	+2.6	+1.7	+1.6	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (310) 6 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+1.9	+2.5	+307	+213	+2.5	+1.5	+1.3	-51.2
100	0.02	+1.1	+1.6	+17	+158	+1.8	+1.5	+0.4	-51.3
200	0.02	+1.3	+3.2	+92	+208	+2.8	+2.2	+1.0	-51.3
300	0.02	+2.7	+3.0	+154	+184	+2.5	+1.8	+0.4	-51.3
400	0.02	+4.9	+3.6	+170	+184	+4.0	+2.5	+1.1	-51.3
500	0.02	+9.5	+4.7	+193	+201	+3.7	+2.0	+1.6	-51.3
600	0.02	+9.9	+5.7	+180	+165	+4.0	+3.4	+3.1	-51.3
700	0.02	+14.3	+10.9	+172	+177	+3.9	+3.7	+3.6	-51.3
800	0.02	+4.4	+2.4	+203	+201	+3.5	+3.5	+3.5	-51.3
900	0.02	+7.8	+6.5	+178	+181	+4.0	+4.2	+4.2	-51.3
1000	0.02	+15.4	+9.8	+192	+192	+4.2	+4.3	+4.5	-51.3
1100	0.02	+11.4	+4.8	+194	+193	+4.4	+4.7	+5.0	-51.3
1200	0.02	+9.6	+8.0	+228	+227	+3.7	+3.8	+4.1	-51.3
1300	0.02	+5.9	+4.6	+189	+159	+3.5	+3.9	+4.2	-51.3
1400	0.02	+5.7	+4.1	+116	+120	+4.4	+4.7	+5.2	-51.4
1500	0.02	+1.9	+2.4	+237	+170	+5.6	+6.0	+6.1	-51.3
1600	0.02	+3.3	+3.5	+120	+115	+4.6	+4.8	+5.1	-51.3
1700	0.02	+9.2	+5.6	+179	+176	+3.9	+3.5	+3.4	-51.3
1800	0.02	+12.3	+10.1	+195	+189	+2.5	+2.2	+2.1	-51.3
1900	0.02	+13.8	+10.8	+186	+196	+2.6	+1.6	+1.4	-51.3
2000	0.02	+12.3	+8.5	+198	+202	+2.1	+1.3	+1.0	-51.3
2100	0.02	+12.7	+10.8	+183	+202	+1.3	+0.9	+0.7	-51.3
2200	0.02	+3.7	+1.9	+178	+131	+0.4	+0.0	-0.2	-51.3
2300	0.02	+5.9	+3.7	+221	+195	+0.2	-0.5	-1.5	-51.2
MAX.		+15.4	+10.9	+307	+227	+5.6	+6.0	+6.1	-51.2
MIN.		+1.1	+1.6	+17	+115	+0.2	-0.5	-1.5	-51.4
AVG.	0.00	+7.6	+5.5	+178	+181	+3.2	+2.8	+2.6	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (311) 7 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+9.4	+6.6	+202	+199	+1.8	-0.5	-1.0	-51.3
100	0.02	+9.3	+7.8	+194	+223	+0.4	-0.6	-0.9	-51.2
200	0.02	+9.4	+6.0	+203	+213	+0.2	-1.1	-1.3	-51.2
300	0.02	+7.4	+6.8	+233	+255	+1.5	+0.5	+0.0	-51.1
400	0.02	+5.2	+4.7	+232	+221	+1.3	-0.4	-0.5	-51.2
500	0.02	+7.3	+4.8	+184	+202	+1.9	+0.7	+0.5	-51.2
600	0.02	+1.7	+0.1	+75	+29	+0.5	+0.2	+0.1	-51.3
700	0.02	+0.5	+1.2	+54	+121	-0.2	-0.3	-0.3	-51.3
800	0.02	+4.3	+4.1	+206	+200	+0.7	+0.1	+0.3	-51.3
900	0.02	+4.8	+2.4	+209	+202	+1.4	+1.7	+1.9	-51.2
1000	0.02	+3.5	+3.5	+27	+44	+3.3	+3.7	+4.0	-51.3
1100	0.02	+3.9	+1.3	+270	+254	+4.9	+5.3	+5.3	-51.2
1200	0.02	+6.2	+5.5	+14	+37	+4.9	+5.2	+5.9	-51.3
1300	0.02	+5.8	+4.8	+47	+50	+4.3	+5.0	+5.7	-51.3
1400	0.02	+7.3	+6.2	+58	+42	+5.3	+5.8	+6.8	-51.3
1500	0.02	+8.2	+2.9	+346	+63	+6.3	+7.0	+7.3	-50.5
1600	0.02	+8.0	+4.6	+319	+332	+5.8	+6.2	+6.3	-50.8
1700	0.02	+7.2	+4.6	+325	+335	+5.1	+4.5	+3.9	-50.8
1800	0.02	+3.5	+3.4	+127	+157	+3.9	+3.1	+1.9	-51.3
1900	0.02	+10.0	+7.2	+224	+205	+4.4	+1.5	+1.2	-51.3
2000	0.02	+9.9	+5.9	+216	+203	+2.9	+1.0	+0.8	-51.3
2100	0.02	+13.8	+7.4	+304	+317	+3.5	+2.8	+2.0	-51.2
2200	0.02	+9.0	+6.1	+280	+274	+2.3	+1.3	+0.6	-51.2
2300	0.02	+5.7	+5.0	+207	+197	+1.5	-0.6	-1.2	-51.3
MAX.		+13.8	+7.8	+346	+335	+6.3	+7.0	+7.3	-50.5
MIN.		+0.5	+0.1	+14	+29	-0.2	-1.1	-1.3	-51.3
AVG.	0.00	+6.7	+4.7	+190	+182	+2.8	+2.2	+2.1	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (312) 8 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+6.6	+5.2	+210	+206	+2.1	-0.6	-0.9	-51.3
100	0.02	+10.6	+8.8	+209	+206	+0.8	-1.1	-1.5	-51.3
200	0.02	+10.4	+8.0	+212	+204	+0.2	-1.7	-2.1	-51.3
300	0.02	+9.4	+9.2	+208	+204	+0.2	-1.4	-2.0	-51.3
400	0.02	+8.8	+6.4	+208	+210	+0.3	-2.3	-2.6	-51.2
500	0.02	+11.6	+7.9	+194	+201	+0.5	-2.8	-3.1	-51.3
600	0.02	+12.4	+8.4	+197	+207	-1.5	-2.8	-3.0	-51.2
700	0.02	+11.8	+7.8	+199	+198	-0.1	-2.3	-2.5	-51.3
800	0.02	+10.3	+6.7	+197	+207	+0.6	-0.1	+0.4	-51.3
900	0.02	+4.8	+2.3	+224	+188	+1.3	+1.6	+1.9	-51.3
1000	0.02	+10.3	+8.9	+287	+331	+2.8	+3.2	+3.7	-51.1
1100	0.02	+14.0	+13.6	+318	+311	+3.7	+4.1	+4.7	-50.8
1200	0.02	+16.7	+13.4	+304	+327	+3.1	+3.5	+3.8	-51.0
1300	0.02	+18.0	+16.6	+283	+283	+4.0	+4.5	+5.3	-51.2
1400	0.02	+13.6	+9.0	+311	+327	+3.8	+4.7	+5.2	-50.8
1500	0.02	+6.0	+5.3	+318	+324	+4.0	+4.3	+4.5	-50.8
1600	0.02	+7.7	+4.4	+346	+325	+3.6	+3.7	+3.6	-50.6
1700	0.02	+8.5	+3.5	+315	+341	+3.3	+3.1	+2.8	-51.3
1800	0.02	+10.4	+6.9	+313	+317	+2.4	+2.3	+2.0	-50.8
1900	0.02	+10.9	+7.1	+313	+301	+1.4	+1.1	+0.9	-50.9
2000	0.02	+9.9	+7.2	+308	+325	-0.2	-0.6	-0.9	-50.7
2100	0.02	+9.9	+6.5	+319	+327	-0.4	-0.5	-0.6	-50.9
2200	0.02	+8.8	+6.3	+319	+310	-0.6	-0.5	-0.5	-50.6
2300	0.02	+5.0	+4.4	+350	+352	-0.5	-0.6	-0.7	-50.2
MAX.		+18.0	+16.6	+350	+352	+4.0	+4.7	+4.7	-50.2
MIN.		+4.8	+2.3	+194	+188	-1.5	-2.8	-3.1	-51.3
AVG.	0.00	+10.3	+7.7	+269	+272	+1.5	+0.8	+0.8	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (313) 9 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+6.8	+4.0	+342	+347	-0.8	-0.9	-1.0	-50.3
100	0.02	+6.8	+4.4	+16	+26	-1.3	-1.3	-1.3	-51.3
200	0.02	+6.5	+3.3	+43	+65	-2.1	-2.0	-2.0	-51.3
300	0.02	+7.3	+5.2	+52	+59	-2.7	-2.8	-2.8	-51.3
400	0.02	+4.8	+1.6	+80	+91	-3.9	-4.3	-4.9	-51.3
500	0.02	+6.3	+3.2	+97	+91	-4.1	-4.5	-5.1	-51.3
600	0.02	+7.4	+2.8	+115	+131	-3.4	-4.7	-5.6	-51.3
700	0.02	+11.5	+5.0	+189	+203	-3.5	-6.1	-6.4	-51.1
800	0.02	+11.4	+6.2	+192	+207	-4.0	-3.8	-3.3	-51.2
900	0.02	+10.7	+9.5	+175	+158	-1.1	-0.5	+0.2	-51.3
1000	0.02	+7.9	+6.7	+200	+243	+0.6	+0.9	+1.7	-51.2
1100	0.02	+9.7	+6.7	+298	+294	+0.8	+1.4	+2.2	-51.0
1200	0.02	+3.9	+1.2	+210	+217	+2.1	+2.7	+3.8	-51.3
1300	0.02	+7.7	+6.5	+289	+322	+2.3	+3.2	+4.3	-50.7
1400	0.02	+9.6	+4.0	+326	+310	+2.8	+3.7	+4.4	-50.9
1500	0.02	+9.6	+6.1	+268	+320	+3.0	+3.5	+4.2	-51.2
1600	0.02	+9.5	+3.1	+301	+303	+2.9	+3.3	+3.4	-50.9
1700	0.02	+2.6	+1.6	+222	+225	+1.9	+1.8	+1.1	-51.2
1800	0.02	+15.3	+12.7	+182	+168	-0.2	-0.6	-0.7	-51.3
1900	0.02	+14.2	+11.7	+172	+169	-0.8	-1.1	-1.2	-51.3
2000	0.02	+11.6	+9.9	+189	+206	-1.1	-1.4	-1.8	-51.3
2100	0.02	+10.2	+5.0	+190	+205	-1.8	-2.4	-2.6	-51.2
2200	0.02	+12.5	+7.7	+189	+215	-1.9	-2.3	-2.7	-51.3
2300	0.02	+13.5	+6.9	+188	+194	-2.1	-2.8	-3.1	-51.2
MAX.		+15.3	+12.7	+342	+347	+3.0	+3.7	+4.4	-50.3
MIN.		+2.6	+1.2	+16	+26	-4.1	-6.1	-6.4	-51.3
AVG.	0.00	+9.1	+5.6	+189	+199	-0.8	-0.9	-0.8	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (314) 10 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+11.3	+8.9	+189	+197	-2.1	-2.8	-3.1	-51.2
100	0.02	+10.7	+8.0	+189	+204	-1.7	-2.0	-2.2	-51.3
200	0.02	+11.8	+9.6	+193	+193	-1.7	-1.9	-2.0	-51.3
300	0.02	+15.9	+8.1	+189	+184	-1.0	-1.3	-1.5	-51.3
400	0.02	+12.4	+9.9	+190	+177	-1.8	-2.1	-2.2	-51.3
500	0.02	+13.7	+10.4	+180	+170	-1.9	-2.0	-1.9	-51.3
600	0.02	+9.6	+4.1	+187	+205	-1.4	-2.2	-2.4	-51.3
700	0.02	+9.2	+7.0	+225	+234	-2.1	-2.8	-3.1	-51.2
800	0.02	+3.5	+2.3	+311	+301	-2.3	-2.8	-2.8	-50.8
900	0.02	+5.9	+6.1	+308	+303	-0.6	-0.2	+0.6	-51.0
1000	0.02	+7.3	+7.1	+334	+331	+0.2	+0.8	+1.4	-51.3
1100	0.02	+10.1	+10.4	+299	+336	+1.0	+1.2	+2.0	-50.8
1200	0.02	+15.2	+14.2	+294	+306	+0.9	+1.7	+2.8	-50.9
1300	0.02	+10.6	+9.4	+17	+10	+1.5	+1.9	+2.8	-51.3
1400	0.02	+7.3	+6.3	+305	+325	+2.2	+2.6	+2.9	-50.9
1500	0.02	+6.7	+5.3	+326	+335	+2.6	+3.0	+3.3	-50.8
1600	0.02	+4.8	+2.1	+344	+354	+2.4	+2.8	+2.8	-50.3
1700	0.02	+2.2	+0.9	+48	+14	+1.1	+1.3	+1.0	-51.3
1800	0.02	+3.1	+2.0	+355	+31	+1.5	+1.4	+0.1	-51.2
1900	0.02	+10.2	+4.2	+351	+342	+0.3	-0.4	-1.2	-50.2
2000	0.02	+8.7	+4.4	+342	+356	-0.2	-1.0	-1.6	-50.3
2100	0.02	+4.2	+2.2	+62	+124	-1.9	-2.8	-3.4	-51.3
2200	0.02	+0.4	+1.4	+22	+166	-1.2	-2.4	-2.5	-51.3
2300	0.02	+3.9	+2.6	+162	+196	-2.0	-2.8	-3.7	-51.3
MAX.		+15.9	+14.2	+355	+356	+2.6	+3.0	+3.3	-50.2
MIN.		+0.4	+0.9	+17	+10	-2.3	-2.8	-3.7	-51.3
AVG.	0.00	+8.3	+6.1	+226	+225	-0.3	-0.5	-0.6	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (315) 11 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+2.0	+5.0	+112	+196	-3.0	-5.0	-6.1	-51.3
100	0.02	+6.6	+6.1	+197	+198	-2.4	-6.2	-6.6	-51.1
200	0.02	+9.1	+9.5	+217	+216	-3.7	-6.1	-6.6	-51.2
300	0.02	+5.0	+4.8	+195	+204	-2.9	-5.8	-6.7	-51.2
400	0.02	+9.6	+6.0	+177	+212	-2.9	-7.0	-7.5	-51.2
500	0.02	+12.2	+8.3	+170	+211	-3.2	-6.3	-6.7	-51.2
600	0.02	+10.9	+5.9	+188	+205	-5.4	-6.4	-6.5	-51.2
700	0.02	+12.5	+8.2	+193	+207	-5.1	-5.8	-6.0	-51.2
800	0.02	+11.2	+9.1	+177	+212	-3.6	-3.7	-3.4	-51.3
900	0.02	+12.1	+11.0	+175	+177	-0.7	-0.2	+0.6	-51.3
1000	0.02	+6.7	+6.7	+238	+207	+1.6	+2.1	+2.9	-51.2
1100	0.02	+5.2	+3.6	+234	+209	+2.8	+3.7	+4.5	-51.3
1200	0.02	+5.0	+5.5	+291	+310	+3.4	+3.7	+4.7	-51.1
1300	0.02	+4.9	+3.7	+228	+245	+3.9	+4.7	+5.9	-51.2
1400	0.02	+2.0	+2.9	+348	+249	+4.6	+5.2	+5.7	-51.2
1500	0.02	+1.7	+1.6	+195	+202	+5.4	+5.9	+6.3	-51.3
1600	0.02	+3.6	+2.8	+23	+25	+4.6	+4.8	+5.1	-51.3
1700	0.02	+12.2	+7.1	+169	+179	+2.0	+1.7	+1.6	-51.3
1800	0.02	+15.1	+12.1	+180	+177	+0.1	-0.2	-0.5	-51.3
1900	0.02	+15.3	+7.1	+182	+202	-0.6	-1.2	-1.5	-51.2
2000	0.02	+16.1	+9.8	+167	+184	-0.6	-1.7	-2.0	-51.3
2100	0.02	+16.8	+11.9	+180	+196	-1.1	-1.7	-1.9	-51.3
2200	0.02	+14.2	+8.2	+200	+217	-1.4	-1.7	-1.9	-51.2
2300	0.02	+14.8	+10.0	+198	+208	-1.3	-2.1	-2.3	-51.2
MAX.		+16.8	+12.1	+348	+310	+5.4	+5.9	+6.3	-51.1
MIN.		+1.7	+1.6	+23	+25	-5.4	-7.0	-7.5	-51.3
AVG.	0.00	+9.4	+7.0	+193	+202	-0.4	-1.2	-1.2	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (316) 12 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+11.4	+8.4	+199	+214	-1.6	-2.4	-2.7	-51.3
100	0.02	+12.9	+7.4	+183	+207	-0.9	-2.7	-3.0	-51.3
200	0.02	+12.8	+7.8	+190	+221	-2.0	-3.0	-3.4	-51.2
300	0.02	+12.6	+8.2	+176	+213	-1.1	-3.4	-3.8	-51.2
400	0.02	+10.9	+7.5	+176	+193	-0.6	-3.3	-3.8	-51.3
500	0.02	+10.8	+9.6	+184	+204	+0.3	-3.7	-4.1	-51.3
600	0.02	+8.5	+5.9	+172	+214	+0.5	-4.0	-4.4	-51.2
700	0.02	+9.0	+5.9	+171	+205	-1.8	-4.5	-4.8	-51.2
800	0.02	+7.7	+5.7	+193	+217	-2.0	-2.5	-2.1	-51.2
900	0.02	+3.4	+2.5	+181	+195	+1.5	+2.0	+2.5	-51.3
1000	0.02	+5.0	+5.2	+46	+28	+2.1	+2.6	+3.3	-51.3
1100	0.02	+8.5	+6.8	+330	+326	+2.9	+3.4	+4.1	-50.5
1200	0.02	+4.0	+3.8	+296	+295	+3.9	+4.8	+5.6	-51.2
1300	0.02	+4.5	+3.5	+346	+354	+4.8	+5.3	+6.0	-50.4
1400	0.02	+6.9	+5.3	+7	+17	+5.3	+5.9	+6.9	-51.3
1500	0.02	+7.8	+6.2	+41	+37	+5.5	+6.1	+6.8	-51.3
1600	0.02	+4.1	+3.2	+16	+7	+5.4	+5.7	+5.8	-51.3
1700	0.02	+4.7	+1.9	+36	+28	+4.4	+3.9	+3.3	-51.3
1800	0.02	+1.9	+1.0	+62	+112	+2.2	+1.6	+0.9	-51.3
1900	0.02	+0.2	+0.0	+346	+219	+2.1	-0.3	-0.5	-50.9
2000	0.02	+4.1	+4.5	+266	+241	+0.5	-0.2	-1.3	-51.2
2100	0.02	+5.4	+0.4	+206	+206	+0.2	-2.9	-3.2	-51.3
2200	0.02	+6.1	+4.3	+212	+201	+0.2	-3.3	-4.0	-51.2
2300	0.02	+4.5	+4.3	+231	+210	+0.3	-3.5	-4.3	-51.2
MAX.		+12.9	+9.6	+346	+354	+5.5	+6.1	+6.9	-50.4
MIN.		+0.2	+0.0	+7	+7	-2.0	-4.5	-4.8	-51.3
AVG.	0.00	+7.0	+5.0	+178	+182	+1.3	+0.1	-0.0	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (317) 13 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+2.3	+0.2	+346	+261	+0.0	-1.9	-3.0	-50.8
100	0.02	+1.8	+0.6	+15	+222	-0.4	-1.9	-2.9	-51.3
200	0.02	+2.8	+1.5	+6	+265	-0.7	-2.7	-4.0	-51.3
300	0.02	+3.9	+5.8	+226	+216	-1.7	-5.7	-6.5	-51.2
400	0.02	+5.6	+6.2	+210	+208	-1.5	-5.8	-6.3	-51.2
500	0.02	+5.9	+7.5	+210	+211	-2.1	-5.1	-5.9	-51.2
600	0.02	+7.1	+8.3	+208	+210	-2.0	-6.3	-6.7	-51.2
700	0.02	+8.4	+8.0	+206	+212	-2.1	-6.2	-6.7	-51.2
800	0.02	+7.8	+4.8	+203	+209	-2.4	-4.4	-4.0	-51.1
900	0.02	+5.4	+3.0	+197	+202	-0.2	+0.5	+1.4	-51.3
1000	0.02	+5.8	+4.7	+301	+340	+0.9	+1.2	+1.6	-50.6
1100	0.02	+9.2	+5.4	+36	+60	+1.8	+2.6	+3.6	-51.3
1200	0.02	+6.5	+6.3	+355	+205	+3.3	+4.0	+4.9	-51.3
1300	0.02	+5.0	+3.3	+50	+64	+4.4	+5.5	+6.5	-51.3
1400	0.02	+9.4	+5.2	+335	+15	+4.9	+5.6	+6.4	-50.6
1500	0.02	+6.0	+6.4	+23	+23	+5.3	+5.6	+6.2	-51.3
1600	0.02	+7.3	+5.3	+15	+61	+4.3	+4.6	+4.8	-51.3
1700	0.02	+3.3	+0.4	+41	+37	+2.9	+2.2	+1.8	-51.3
1800	0.02	+1.9	+0.7	+354	+319	+2.3	+0.9	+0.1	-51.3
1900	0.02	+1.8	+0.3	+72	+133	+0.0	+0.1	-0.4	-51.3
2000	0.02	+1.8	+3.4	+117	+191	+0.5	+0.7	-1.3	-51.3
2100	0.02	+6.6	+4.7	+204	+207	+1.2	-2.5	-3.2	-51.3
2200	0.02	+8.0	+8.0	+211	+207	+0.8	-3.2	-3.7	-51.2
2300	0.02	+7.4	+7.5	+214	+217	+0.2	-3.5	-4.0	-51.2
MAX.		+9.4	+8.3	+355	+340	+5.3	+5.6	+6.5	-50.6
MIN.		+1.8	+0.2	+6	+15	-2.4	-6.3	-6.7	-51.3
AVG.	0.00	+5.5	+4.5	+173	+179	+0.8	-0.7	-0.9	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (318) 14 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+8.4	+6.8	+208	+204	+0.1	-4.3	-4.7	-51.2
100	0.02	+5.9	+8.1	+213	+221	-0.5	-4.4	-4.9	-51.2
200	0.02	+7.1	+9.5	+206	+204	-0.3	-4.8	-5.6	-51.2
300	0.02	+8.5	+6.7	+196	+222	-0.3	-5.3	-5.8	-51.2
400	0.02	+9.5	+8.2	+204	+206	-0.4	-5.0	-5.5	-51.2
500	0.02	+8.9	+6.6	+209	+206	-0.5	-5.2	-5.7	-51.2
600	0.02	+3.4	+5.4	+197	+214	-0.2	-4.5	-5.6	-51.2
700	0.02	+2.0	+1.6	+68	+172	-1.7	-2.7	-4.8	-51.3
800	0.02	+8.4	+6.5	+199	+225	-2.2	-5.0	-4.7	-51.2
900	0.02	+4.0	+2.0	+175	+190	+0.8	+1.4	+2.0	-51.3
1000	0.02	+2.1	+1.7	+318	+304	+3.7	+4.2	+4.8	-51.0
1100	0.02	+5.2	+4.5	+23	+44	+3.4	+3.7	+4.8	-51.3
1200	0.02	+6.2	+2.8	+20	+23	+5.1	+5.8	+6.9	-51.3
1300	0.02	+5.9	+4.6	+22	+38	+5.6	+6.1	+7.1	-51.3
1400	0.02	+5.3	+5.3	+38	+2	+6.3	+6.8	+7.7	-51.3
1500	0.02	+5.0	+3.2	+56	+75	+6.3	+7.2	+7.6	-51.3
1600	0.02	+4.4	+4.2	+45	+58	+5.7	+5.9	+6.2	-51.4
1700	0.02	+2.8	+1.2	+62	+80	+4.0	+2.8	+1.7	-51.3
1800	0.02	+4.2	+2.3	+53	+96	+3.5	+1.4	+1.1	-51.3
1900	0.02	+0.2	+0.6	+4	+87	+1.9	-0.3	+0.0	-51.3
2000	0.02	+1.3	+3.0	+105	+200	+1.4	+0.8	-1.2	-51.3
2100	0.02	+2.1	+0.9	+58	+186	+1.5	-0.5	-1.2	-51.3
2200	0.02	+7.1	+4.2	+290	+258	+1.1	-1.8	-4.0	-51.1
2300	0.02	+5.2	+4.5	+231	+217	+0.2	-3.1	-4.3	-51.2
MAX.		+9.5	+9.5	+318	+304	+6.3	+7.2	+7.7	-51.0
MIN.		+0.2	+0.6	+4	+2	-2.2	-5.3	-5.8	-51.4
AVG.	0.00	+5.1	+4.4	+133	+156	+1.9	-0.0	-0.3	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (319) 15 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+0.4	+3.8	+196	+203	-0.4	-0.8	-3.1	-51.3
100	0.02	+2.4	+4.5	+191	+204	+0.0	-2.8	-4.2	-51.2
200	0.02	+2.6	+4.7	+176	+198	+0.1	-1.9	-3.8	-51.3
300	0.02	+3.2	+4.2	+155	+210	+1.5	-1.0	-2.9	-51.3
400	0.02	+8.4	+5.1	+305	+272	-0.2	-3.4	-4.5	-51.0
500	0.02	+9.0	+5.8	+230	+229	-0.6	-5.8	-6.6	-51.2
600	0.02	+8.1	+7.9	+200	+212	-0.7	-5.0	-6.1	-51.2
700	0.02	+8.8	+6.5	+159	+190	+1.6	-2.2	-4.6	-51.3
800	0.02	+2.9	+2.8	+175	+206	-0.9	-1.5	-1.2	-51.3
900	0.02	+1.5	+0.6	+10	+2	+3.5	+4.1	+4.4	-51.3
1000	0.02	+6.2	+4.2	+275	+273	+3.0	+3.5	+4.1	-51.2
1100	0.02	+5.8	+6.5	+319	+343	+3.4	+4.2	+5.0	-50.6
1200	0.02	+5.3	+5.3	+77	+94	+6.0	+6.6	+8.0	-51.3
1300	0.02	+5.8	+3.1	+53	+79	+8.7	+9.8	+10.7	-51.3
1400	0.02	+3.3	+3.1	+77	+48	+10.7	+11.1	+11.3	-51.3
1500	0.02	+10.9	+9.4	+311	+329	+6.6	+7.4	+8.1	-50.9
1600	0.02	+4.8	+2.8	+306	+331	+4.8	+5.1	+5.2	-50.9
1700	0.02	+0.2	+0.2	+29	+63	+3.5	+3.6	+2.2	-51.3
1800	0.02	+2.2	+1.6	+134	+111	+3.2	+2.1	+1.7	-51.3
1900	0.02	+14.1	+9.4	+190	+194	+3.4	+2.7	+2.2	-51.3
2000	0.02	+9.0	+6.3	+207	+222	+3.4	+2.7	+1.7	-51.3
2100	0.02	+11.4	+6.9	+201	+212	+3.4	+1.9	+1.3	-51.3
2200	0.02	+10.7	+7.4	+189	+205	+2.6	+0.4	-0.4	-51.3
2300	0.02	+12.6	+7.4	+184	+186	+2.2	+0.0	-1.0	-51.3
MAX.		+14.1	+9.4	+319	+343	+10.7	+11.1	+11.3	-50.6
MIN.		+0.2	+0.2	+10	+2	-0.9	-5.8	-6.6	-51.3
AVG.	0.00	+6.2	+5.0	+181	+192	+2.9	+1.7	+1.1	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (320) 16 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+8.1	+5.4	+182	+184	+1.2	-0.1	-1.3	-51.3
100	0.02	+8.0	+5.7	+165	+187	+1.6	-0.5	-2.6	-51.3
200	0.02	+8.0	+5.1	+147	+151	+1.7	+0.6	-1.5	-51.3
300	0.02	+7.9	+4.8	+163	+154	+0.6	-0.1	-1.4	-51.3
400	0.02	+4.4	+2.1	+171	+210	+0.6	+0.1	-1.6	-51.3
500	0.02	+7.0	+3.3	+175	+167	+0.8	+0.0	-2.2	-51.3
600	0.02	+6.5	+3.3	+173	+217	+0.2	-0.1	-1.3	-51.3
700	0.02	+10.8	+6.6	+168	+189	+0.9	-0.1	-1.1	-51.3
800	0.02	+6.2	+2.3	+163	+170	+1.6	+1.1	+1.1	-51.3
900	0.02	+15.1	+12.5	+156	+168	+3.9	+4.0	+4.2	-51.3
1000	0.02	+15.8	+16.7	+157	+137	+5.6	+6.0	+6.6	-51.3
1100	0.02	+17.5	+14.2	+184	+183	+7.1	+7.8	+8.8	-51.3
1200	0.02	+11.8	+10.9	+174	+215	+7.4	+8.1	+9.2	-51.3
1300	0.02	+12.7	+10.6	+166	+157	+7.8	+8.4	+9.1	-51.4
1400	0.02	+6.1	+5.9	+300	+294	+3.4	+3.7	+4.1	-51.0
1500	0.02	+3.5	+1.9	+295	+323	+4.8	+5.1	+5.4	-50.8
1600	0.02	+4.0	+0.7	+170	+122	+4.9	+4.4	+4.5	-51.4
1700	0.02	+14.3	+8.0	+175	+188	+5.9	+5.7	+5.6	-51.4
1800	0.02	+11.3	+8.4	+167	+155	+4.2	+3.9	+3.6	-51.3
1900	0.02	+9.9	+5.6	+211	+222	+3.1	+2.7	+2.4	-51.3
2000	0.02	+14.5	+7.8	+193	+186	+3.5	+2.9	+2.7	-51.3
2100	0.02	+9.0	+4.5	+167	+185	+2.6	+1.8	+1.2	-51.3
2200	0.02	+12.1	+8.7	+216	+231	+3.1	+2.8	+2.6	-51.3
2300	0.02	+12.3	+6.5	+182	+190	+2.0	+1.8	+1.7	-51.3
MAX.		+17.5	+16.7	+300	+323	+7.8	+8.4	+9.2	-50.8
MIN.		+3.5	+0.7	+147	+122	+0.2	-0.5	-2.6	-51.4
AVG.	0.00	+9.9	+6.7	+184	+191	+3.3	+2.9	+2.5	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (321) 17 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.02	+15.5	+12.3	+178	+177	+1.8	+1.7	+1.6	-51.3
100	0.02	+14.1	+9.6	+170	+177	+1.2	+0.9	+0.8	-51.3
200	0.02	+15.0	+7.1	+187	+203	+0.6	+0.2	+0.1	-51.3
300	0.02	+15.4	+10.7	+174	+160	+0.5	+0.0	-0.3	-51.3
400	0.02	+7.4	+4.0	+204	+192	+0.3	+0.0	+0.0	-51.3
500	0.02	+13.3	+8.5	+190	+185	+0.8	+0.8	+0.9	-51.3
600	0.02	+14.2	+9.4	+180	+191	+0.6	+0.3	+0.3	-51.3
700	0.02	+9.6	+6.3	+204	+187	+0.7	+0.4	+0.4	-51.3
800	0.02	+6.9	+4.7	+214	+200	+1.5	+1.5	+1.9	-51.3
900	0.02	+8.3	+5.7	+195	+206	+2.3	+2.5	+2.8	-51.3
1000	0.02	+6.0	+5.2	+211	+208	+5.2	+5.9	+6.8	-51.3
1100	0.02	+4.8	+3.5	+217	+207	+4.2	+4.6	+5.1	-51.3
1200	0.02	+3.6	+2.1	+312	+293	+4.4	+4.9	+5.3	-50.9
1300	0.10	+12.0	+6.7	+287	+294	-0.5	-0.3	+0.0	-51.1
1400	0.56	+25.8	+21.8	+272	+305	-0.9	-0.7	-0.4	-51.1
1500	0.57	+10.5	+7.8	+316	+320	-1.1	-0.6	-0.1	-51.1
1600	0.62	+5.7	+4.8	+169	+164	+0.4	+1.0	+1.3	-51.3
1700	0.62	+9.0	+5.1	+162	+154	+0.4	-0.5	-0.8	-51.3
1800	0.62	+6.9	+4.3	+177	+196	-0.4	-1.2	-1.5	-51.3
1900	0.62	+15.0	+10.4	+285	+292	-1.3	-1.3	-1.2	-51.2
2000	0.63	+12.0	+8.2	+253	+261	-1.7	-1.6	-1.4	-51.2
2100	0.63	+11.7	+8.4	+248	+252	-2.1	-2.1	-1.8	-51.3
2200	0.63	+11.5	+8.2	+190	+231	-3.1	-4.8	-3.9	-51.3
2300	0.63	+11.3	+8.1	+193	+206	-3.5	-5.3	-5.8	-51.3
MAX.		+25.8	+21.8	+316	+320	+5.2	+5.9	+6.8	-50.9
MIN.		+3.6	+2.1	+162	+154	-3.5	-5.3	-5.8	-51.3
AVG.	0.61	+11.1	+7.6	+216	+219	+0.4	+0.3	+0.4	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (322) 18 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.63	+9.4	+7.6	+202	+209	-2.1	-5.4	-5.8	-51.3
100	0.63	+3.1	+4.0	+197	+192	-2.3	-5.3	-7.0	-51.3
200	0.63	+8.3	+4.8	+262	+212	-3.3	-6.8	-8.1	-51.2
300	0.63	+4.0	+3.8	+242	+211	-3.5	-4.4	-6.6	-51.2
400	0.63	+8.8	+6.5	+201	+203	-3.7	-7.1	-7.9	-51.2
500	0.63	+6.3	+6.0	+214	+210	-3.9	-7.3	-8.5	-51.2
600	0.63	+4.7	+4.2	+231	+210	-5.0	-7.5	-8.5	-51.2
700	0.63	+6.6	+5.3	+224	+208	-5.0	-7.7	-8.1	-51.2
800	0.63	+4.5	+3.5	+284	+224	-4.8	-7.6	-7.6	-51.2
900	0.63	+8.1	+5.4	+290	+286	-4.1	-3.4	-2.8	-51.1
1000	0.63	+7.9	+7.6	+330	+354	-4.0	-3.3	-2.4	-50.5
1100	0.63	+8.7	+7.0	+18	+17	-4.4	-3.9	-3.2	-51.3
1200	0.67	+12.5	+8.3	+20	+45	-4.3	-3.8	-3.1	-51.3
1300	0.68	+14.8	+13.0	+39	+37	-4.7	-4.1	-3.0	-51.3
1400	0.69	+11.3	+5.8	+8	+29	-4.9	-4.5	-4.1	-51.3
1500	0.69	+12.6	+10.0	+16	+25	-4.7	-4.4	-3.9	-51.3
1600	0.69	+19.8	+13.6	+29	+32	-5.3	-5.1	-4.7	-51.3
1700	0.69	+12.4	+6.4	+37	+40	-5.5	-5.4	-5.2	-51.3
1800	0.69	+18.0	+9.2	+32	+23	-5.7	-5.6	-5.5	-51.3
1900	0.69	+11.0	+9.6	+215	+359	-5.9	-5.7	-5.6	-51.3
2000	0.70	+5.6	+3.3	+6	+5	-5.7	-5.6	-5.6	-51.2
2100	0.70	+9.2	+4.6	+337	+355	-5.7	-5.7	-5.5	-50.7
2200	0.70	+9.8	+6.4	+341	+337	-5.9	-5.8	-5.7	-50.6
2300	0.70	+8.1	+5.2	+310	+317	-6.1	-6.0	-5.9	-50.8
MAX.		+19.8	+13.6	+341	+359	-2.1	-3.3	-2.4	-50.5
MIN.		+3.1	+3.3	+6	+5	-6.1	-7.7	-8.5	-51.3
AVG.	0.07	+9.4	+6.7	+170	+173	-4.6	-5.5	-5.6	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (323) 19 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	0.70	+13.3	+6.4	+297	+316	-6.2	-6.2	-6.1	-50.9
100	0.71	+10.6	+6.8	+317	+359	-5.7	-5.7	-5.7	-50.8
200	0.72	+8.5	+6.1	+313	+298	-5.9	-5.9	-5.7	-50.7
300	0.74	+9.0	+6.4	+301	+309	-6.3	-6.2	-6.1	-50.9
400	0.76	+4.9	+3.1	+331	+326	-6.4	-6.4	-6.3	-50.7
500	0.78	+8.2	+4.8	+335	+351	-6.2	-6.3	-6.2	-50.5
600	0.79	+10.3	+6.8	+340	+344	-6.5	-6.4	-6.4	-50.6
700	0.80	+12.9	+7.3	+335	+322	-7.4	-7.3	-7.2	-50.5
800	0.81	+7.7	+5.8	+314	+330	-7.3	-7.1	-6.6	-50.8
900	0.81	+7.7	+5.0	+319	+338	-7.2	-7.0	-6.1	-50.7
1000	0.82	+9.6	+9.0	+309	+323	-7.1	-6.2	-5.0	-50.8
1100	0.82	+9.1	+9.2	+306	+320	-6.9	-6.1	-5.0	-50.7
1200	0.82	+7.0	+5.3	+309	+328	-5.2	-4.4	-2.4	-50.7
1300	0.88	+11.1	+6.3	+296	+323	-6.2	-5.6	-4.6	-50.7
1400	0.93	+7.7	+6.0	+328	+320	-5.5	-4.9	-3.9	-50.6
1500	0.99	+6.4	+5.4	+310	+330	-5.7	-5.5	-4.9	-50.8
1600	1.06	+6.4	+4.8	+287	+315	-6.4	-6.2	-5.9	-51.1
1700	1.06	+7.7	+5.8	+291	+307	-6.8	-6.8	-6.7	-50.9
1800	1.06	+11.2	+9.6	+326	+338	-7.1	-7.0	-7.0	-50.5
1900	1.06	+14.4	+10.4	+317	+17	-7.7	-7.5	-7.4	-51.2
2000	1.06	+21.3	+16.9	+355	+350	-7.7	-7.5	-7.6	-51.0
2100	1.07	+11.2	+9.4	+347	+351	-8.2	-8.1	-8.0	-50.5
2200	1.07	+12.6	+10.4	+335	+346	-8.2	-8.3	-8.3	-50.6
2300	1.07	+13.0	+7.5	+313	+340	-8.4	-8.4	-8.2	-50.7
MAX.		+21.3	+16.9	+355	+359	-5.2	-4.4	-2.4	-50.5
MIN.		+4.9	+3.1	+287	+17	-8.4	-8.4	-8.3	-51.2
AVG.	0.37	+10.1	+7.3	+318	+317	-6.8	-6.5	-6.1	-50.7
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (324) 20 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.07	+14.8	+7.6	+343	+349	-8.4	-8.4	-8.3	-50.5
100	1.07	+10.8	+7.6	+326	+351	-8.6	-8.5	-8.4	-50.6
200	1.07	+8.7	+7.7	+344	+348	-8.9	-8.8	-8.6	-50.6
300	1.07	+9.3	+4.8	+350	+8	-8.9	-8.9	-8.7	-50.5
400	1.07	+7.6	+5.1	+16	+16	-8.9	-9.0	-9.0	-51.3
500	1.07	+6.0	+3.7	+8	+363	-9.1	-9.2	-9.2	-51.3
600	1.07	+3.7	+2.0	+25	+17	-9.7	-9.7	-9.8	-51.3
700	1.09	+2.3	+0.8	+30	+64	-9.8	-10.0	-10.6	-51.3
800	1.10	+3.6	+1.1	+50	+51	-9.5	-9.0	-8.5	-51.3
900	1.12	+2.6	+1.5	+274	+259	-6.8	-6.6	-5.6	-51.2
1000	1.14	+2.4	+2.0	+3	+49	-6.6	-6.8	-5.6	-51.3
1100	1.16	+4.1	+1.7	+38	+55	-5.5	-4.6	-2.3	-51.3
1200	1.20	+4.6	+3.1	+44	+62	-5.3	-3.2	-1.8	-51.3
1300	1.22	+5.3	+6.1	+346	+347	-6.2	-5.7	-4.8	-50.3
1400	1.24	+4.5	+3.0	+348	+19	-5.0	-4.1	-2.8	-51.0
1500	1.27	+5.0	+4.8	+348	+7	-5.5	-5.0	-4.0	-51.3
1600	1.28	+8.8	+5.0	+9	+353	-7.4	-7.7	-7.6	-51.1
1700	1.28	+6.6	+4.7	+337	+321	-7.9	-8.7	-10.1	-50.5
1800	1.28	+6.0	+3.0	+340	+323	-7.8	-8.5	-10.1	-50.4
1900	1.28	+3.0	+2.8	+297	+264	-8.7	-9.9	-11.0	-50.8
2000	1.28	+2.2	+1.4	+31	+179	-8.8	-10.0	-11.4	-51.2
2100	1.28	+2.1	+5.2	+238	+213	-9.4	-11.6	-11.9	-51.1
2200	1.28	+1.2	+1.2	+161	+208	-10.7	-10.3	-11.7	-51.2
2300	1.28	+3.2	+4.4	+182	+209	-9.8	-10.2	-12.4	-51.2
MAX.		+14.8	+7.7	+350	+363	-5.0	-3.2	-1.8	-50.3
MIN.		+1.2	+0.8	+3	+7	-10.7	-11.6	-12.4	-51.3
AVG.	0.21	+5.4	+3.8	+187	+185	-8.1	-8.1	-8.1	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (325) 21 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.28	+5.1	+5.7	+228	+215	-9.4	-13.8	-15.0	-51.1
100	1.28	+4.5	+6.7	+209	+209	-9.5	-13.9	-14.9	-51.1
200	1.28	+1.9	+4.5	+209	+211	-9.8	-11.9	-13.9	-51.2
300	1.28	+4.6	+7.3	+194	+203	-9.7	-14.7	-15.9	-51.1
400	1.28	+3.3	+5.6	+179	+202	-9.9	-14.8	-16.1	-51.1
500	1.28	+9.6	+7.3	+184	+219	-10.1	-15.5	-16.4	-51.1
600	1.28	+7.3	+6.5	+184	+201	-9.9	-14.4	-15.5	-51.2
700	1.28	+11.1	+8.0	+193	+203	-10.2	-14.6	-15.6	-51.2
800	1.28	+9.4	+6.4	+177	+201	-9.3	-12.7	-12.8	-51.2
900	1.28	+9.1	+5.8	+186	+215	-8.5	-8.6	-7.1	-51.1
1000	1.28	+4.9	+4.6	+188	+191	-5.2	-4.2	-2.6	-51.2
1100	1.28	+2.7	+2.3	+142	+164	-2.1	-0.4	+0.1	-51.3
1200	1.29	+3.7	+3.4	+116	+145	-1.3	+0.2	+2.5	-51.3
1300	1.32	+4.5	+1.9	+52	+35	-1.6	+0.1	+1.4	-51.3
1400	1.34	+6.2	+5.4	+9	+3	-1.7	-0.7	+0.8	-51.3
1500	1.34	+5.3	+2.7	+180	+241	-0.5	+0.6	+1.2	-51.2
1600	1.34	+2.3	+1.6	+350	+355	-4.3	-4.0	-3.9	-50.1
1700	1.34	+0.2	+0.0	+7	+26	-7.5	-8.2	-8.6	-51.3
1800	1.34	+3.9	+2.0	+123	+142	-7.8	-8.5	-9.5	-51.2
1900	1.34	+10.7	+4.0	+191	+191	-9.5	-10.2	-10.7	-51.2
2000	1.34	+16.2	+11.2	+189	+206	-7.8	-9.2	-9.7	-51.2
2100	1.34	+9.6	+4.3	+201	+195	-9.2	-9.8	-10.1	-51.2
2200	1.34	+4.5	+2.5	+104	+99	-8.6	-9.7	-10.6	-51.2
2300	1.34	+5.1	+3.9	+212	+236	-8.5	-9.6	-11.4	-51.1
MAX.		+16.2	+11.2	+350	+355	-0.5	+0.6	+2.5	-50.1
MIN.		+0.2	+0.0	+7	+3	-10.2	-15.5	-16.4	-51.3
AVG.	0.06	+6.1	+4.7	+167	+180	-7.2	-8.7	-8.9	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (326) 22 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.34	+3.4	+2.2	+119	+167	-8.2	-9.0	-10.1	-51.2
100	1.34	+4.5	+3.0	+141	+125	-8.1	-8.7	-10.0	-51.2
200	1.34	+1.7	+1.3	+132	+75	-8.1	-8.7	-9.2	-51.2
300	1.34	+7.1	+2.5	+175	+155	-8.4	-9.3	-10.1	-51.2
400	1.34	+9.1	+5.0	+187	+177	-8.1	-8.3	-8.6	-51.2
500	1.34	+5.5	+3.6	+199	+196	-8.4	-8.5	-8.9	-51.2
600	1.34	+17.8	+12.6	+188	+187	-7.2	-7.3	-7.5	-51.2
700	1.34	+8.9	+3.4	+198	+199	-8.0	-8.1	-8.1	-51.2
800	1.34	+6.5	+3.3	+158	+152	-7.2	-7.0	-6.8	-51.2
900	1.34	+1.7	+0.4	+217	+345	-5.4	-4.3	-3.8	-51.1
1000	1.36	+6.1	+5.1	+178	+178	-5.4	-4.7	-4.1	-51.2
1100	1.36	+2.8	+0.4	+197	+201	-3.5	-2.2	-0.9	-51.3
1200	1.42	+2.2	+2.3	+159	+138	-0.7	+0.4	+1.1	-51.3
1300	1.44	+5.3	+4.9	+327	+315	-4.0	-3.4	-2.6	-50.7
1400	1.45	+2.8	+2.8	+327	+356	-3.8	-3.5	-2.9	-50.4
1500	1.46	+1.1	+0.1	+163	+139	-0.8	+0.2	+2.0	-51.3
1600	1.46	+7.1	+4.1	+53	+47	-5.9	-5.3	-4.8	-51.3
1700	1.46	+3.3	+1.8	+163	+174	-6.0	-6.0	-5.8	-51.2
1800	1.46	+3.3	+1.5	+297	+255	-4.5	-5.5	-6.0	-51.0
1900	1.46	+6.5	+3.9	+293	+275	-4.6	-6.1	-7.0	-50.9
2000	1.46	+6.2	+4.7	+267	+239	-5.2	-6.3	-7.7	-51.1
2100	1.46	+4.5	+2.8	+333	+357	-4.1	-4.4	-5.3	-50.4
2200	1.46	+1.3	+0.6	+32	+139	-5.0	-5.7	-5.9	-51.3
2300	1.46	+3.4	+3.0	+106	+141	-5.7	-6.4	-7.4	-51.3
MAX.		+17.8	+12.6	+333	+357	-0.7	+0.4	+2.0	-50.4
MIN.		+1.1	+0.1	+32	+47	-8.4	-9.3	-10.1	-51.3
AVG.	0.12	+5.1	+3.1	+192	+197	-5.7	-5.8	-5.9	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (327) 23 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.46	+2.8	+3.7	+105	+183	-5.7	-7.4	-9.0	-51.3
100	1.46	+8.2	+5.1	+231	+223	-5.6	-9.6	-10.9	-51.2
200	1.46	+4.7	+4.2	+250	+216	-5.7	-8.4	-10.6	-51.2
300	1.46	+2.7	+4.4	+114	+197	-6.2	-8.2	-9.9	-51.2
400	1.46	+7.2	+3.5	+131	+201	-6.3	-9.0	-10.0	-51.2
500	1.46	+7.2	+4.1	+140	+195	-5.3	-8.6	-10.9	-51.2
600	1.46	+13.5	+9.8	+186	+202	-5.3	-10.0	-10.7	-51.1
700	1.46	+13.6	+8.1	+174	+192	-8.4	-10.0	-10.5	-51.2
800	1.46	+12.7	+8.6	+184	+215	-6.9	-8.9	-8.9	-51.2
900	1.46	+9.4	+7.6	+190	+189	-4.7	-4.6	-3.3	-51.2
1000	1.46	+9.2	+6.6	+168	+170	-2.3	-1.5	-0.6	-51.3
1100	1.46	+9.8	+6.8	+151	+154	-1.4	-0.8	+0.0	-51.3
1200	1.46	+10.8	+8.5	+152	+188	-1.4	-0.5	+0.6	-51.3
1300	1.46	+15.1	+10.4	+171	+178	-1.6	-0.9	+0.0	-51.3
1400	1.46	+16.5	+14.5	+183	+174	-1.3	-0.6	+0.4	-51.3
1500	1.46	+12.1	+7.1	+191	+191	-2.8	-2.4	-1.9	-51.2
1600	1.46	+19.4	+14.2	+199	+178	-2.9	-2.8	-2.4	-51.2
1700	1.46	+18.6	+11.1	+208	+220	-2.8	-3.2	-3.2	-51.2
1800	1.46	+17.6	+8.0	+199	+192	-3.2	-3.7	-3.9	-51.2
1900	1.46	+20.0	+15.9	+181	+164	-3.5	-3.8	-4.0	-51.2
2000	1.46	+17.9	+16.0	+183	+201	-4.2	-4.4	-4.4	-51.2
2100	1.46	+16.3	+10.2	+191	+189	-3.3	-3.7	-3.8	-51.2
2200	1.46	+21.0	+14.2	+186	+196	-3.4	-3.7	-4.0	-51.2
2300	1.46	+18.9	+11.8	+199	+186	-2.6	-3.1	-3.2	-51.2
MAX.		+21.0	+16.0	+250	+223	-1.3	-0.5	+0.6	-51.1
MIN.		+2.7	+3.5	+105	+154	-8.4	-10.0	-10.9	-51.3
AVG.	0.00	+12.7	+8.9	+178	+191	-4.0	-5.0	-5.2	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (328) 24 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.46	+16.6	+13.7	+206	+203	-1.4	-1.8	-1.9	-51.2
100	1.46	+11.8	+7.9	+206	+201	-1.4	-2.5	-2.7	-51.1
200	1.46	+14.9	+9.3	+223	+217	-0.5	-2.0	-2.5	-51.2
300	1.46	+12.9	+8.1	+241	+239	-0.8	-1.9	-2.4	-51.2
400	1.46	+7.7	+5.3	+277	+248	-2.4	-3.8	-4.8	-51.1
500	1.46	+11.4	+11.8	+312	+299	-2.9	-3.1	-3.3	-50.7
600	1.46	+9.7	+7.7	+289	+294	-3.9	-4.2	-4.3	-50.9
700	1.46	+9.7	+5.4	+285	+279	-4.1	-4.4	-4.6	-51.0
800	1.46	+4.2	+1.0	+293	+248	-3.8	-3.9	-3.9	-51.0
900	1.46	+8.3	+5.3	+280	+297	-2.6	-2.5	-2.0	-51.1
1000	1.46	+6.8	+5.5	+326	+345	-1.9	-1.2	+0.1	-50.5
1100	1.46	+4.3	+3.1	+348	+362	-0.1	+0.9	+2.5	-51.1
1200	1.46	+4.9	+3.4	+345	+356	+0.5	+1.4	+2.8	-51.0
1300	1.46	+10.2	+9.0	+267	+273	+1.2	+2.1	+3.4	-51.2
1400	1.46	+13.0	+8.9	+278	+293	+0.0	+0.0	+0.6	-50.9
1500	1.46	+9.1	+7.8	+271	+297	+1.1	+1.7	+2.8	-51.1
1600	1.46	+3.4	+2.2	+319	+350	-0.5	-0.1	+0.0	-50.4
1700	1.46	+4.0	+3.4	+303	+309	-1.5	-1.7	-2.4	-50.7
1800	1.46	+4.7	+3.9	+150	+157	-1.8	-2.7	-3.0	-51.3
1900	1.46	+9.5	+5.9	+190	+199	-2.7	-3.2	-3.2	-51.1
2000	1.46	+14.9	+10.8	+168	+182	-2.0	-2.9	-3.2	-51.2
2100	1.46	+14.4	+7.8	+165	+176	-2.3	-2.7	-2.8	-51.2
2200	1.46	+16.7	+15.7	+183	+177	-2.4	-2.6	-2.7	-51.2
2300	1.46	+27.4	+24.4	+165	+169	-2.1	-2.3	-2.5	-51.3
MAX.		+27.4	+24.4	+348	+362	+1.2	+2.1	+3.4	-50.4
MIN.		+3.4	+1.0	+150	+157	-4.1	-4.4	-4.8	-51.3
AVG.	0.00	+10.4	+7.8	+254	+257	-1.6	-1.8	-1.7	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (329) 25 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.46	+14.8	+16.3	+237	+240	-1.7	-2.1	-2.3	-51.2
100	1.46	+6.1	+3.3	+263	+227	-4.4	-4.9	-5.1	-51.2
200	1.46	+14.5	+8.2	+188	+206	-2.7	-4.6	-5.5	-51.2
300	1.46	+12.8	+10.4	+209	+218	+0.0	-0.4	-0.7	-51.3
400	1.46	+7.3	+6.4	+216	+221	-0.1	-0.6	-1.5	-51.2
500	1.46	+16.7	+9.3	+216	+231	+1.2	+0.4	+0.1	-51.3
600	1.46	+19.8	+11.9	+197	+199	+1.2	+0.7	+0.5	-51.3
700	1.46	+8.6	+5.9	+220	+230	+1.2	+0.9	+0.8	-51.2
800	1.46	+16.0	+13.6	+317	+323	-2.7	-2.5	-2.4	-50.6
900	1.46	+5.8	+3.8	+305	+313	-3.0	-2.5	-1.8	-50.8
1000	1.46	+15.3	+9.8	+292	+300	-2.8	-2.4	-2.0	-50.9
1100	1.46	+15.6	+9.8	+287	+284	-2.2	-1.8	-1.0	-51.0
1200	1.47	+13.1	+6.2	+299	+301	-1.2	-0.4	+0.3	-50.9
1300	1.47	+7.3	+5.6	+294	+343	-1.3	-0.9	-0.2	-50.8
1400	1.48	+5.2	+2.8	+245	+220	+0.8	+1.9	+3.0	-51.2
1500	1.50	+5.3	+3.1	+330	+352	-0.7	-0.2	+0.1	-51.1
1600	1.50	+6.2	+4.5	+302	+289	-1.2	-0.8	-0.6	-50.8
1700	1.50	+4.9	+3.8	+292	+303	-3.0	-3.1	-3.2	-50.9
1800	1.50	+7.9	+4.1	+292	+303	-4.0	-4.7	-5.8	-50.8
1900	1.50	+14.4	+8.5	+292	+272	-5.9	-6.7	-7.1	-50.9
2000	1.50	+13.0	+6.7	+300	+318	-6.3	-6.9	-7.2	-50.7
2100	1.50	+12.2	+7.5	+283	+285	-7.1	-8.3	-8.9	-50.8
2200	1.50	+17.7	+7.8	+251	+247	-7.4	-8.3	-8.8	-51.1
2300	1.50	+11.6	+7.3	+248	+268	-8.1	-9.3	-9.9	-51.1
MAX.		+19.8	+16.3	+330	+352	+1.2	+1.9	+3.0	-50.6
MIN.		+4.9	+2.8	+188	+199	-8.1	-9.3	-9.9	-51.3
AVG.	0.04	+11.3	+7.4	+266	+271	-2.6	-2.8	-2.9	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (330) 26 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+12.9	+9.2	+261	+261	-7.9	-9.1	-10.5	-51.0
100	1.50	+11.8	+6.6	+267	+251	-8.2	-10.2	-11.1	-50.9
200	1.50	+9.3	+4.9	+261	+213	-9.1	-11.7	-13.4	-51.0
300	1.50	+7.3	+5.1	+244	+213	-9.7	-10.9	-12.7	-51.1
400	1.50	+7.7	+6.5	+241	+223	-9.8	-14.0	-15.4	-51.0
500	1.50	+5.9	+4.7	+235	+203	-10.2	-13.7	-15.5	-51.1
600	1.50	+7.8	+7.4	+199	+199	-10.2	-14.9	-16.9	-51.1
700	1.50	+10.3	+9.5	+195	+205	-9.8	-15.5	-16.8	-51.1
800	1.50	+12.2	+9.7	+194	+208	-12.3	-14.4	-14.6	-51.1
900	1.50	+7.1	+4.2	+190	+208	-8.9	-7.9	-6.6	-51.2
1000	1.50	+4.6	+2.6	+208	+169	-5.4	-3.3	-2.1	-51.3
1100	1.50	+4.4	+3.9	+255	+252	-3.4	-2.1	-0.1	-51.2
1200	1.50	+5.6	+4.3	+290	+315	-3.4	-2.9	-1.1	-50.8
1300	1.50	+6.6	+2.7	+284	+317	-1.5	-1.5	+0.2	-51.0
1400	1.50	+4.9	+2.8	+295	+343	-1.6	+0.6	+2.2	-50.8
1500	1.50	+3.6	+3.0	+339	+355	-2.6	-2.0	-1.0	-50.1
1600	1.50	+4.1	+1.9	+322	+335	-4.3	-3.8	-3.6	-50.4
1700	1.50	+2.7	+2.1	+325	+325	-5.7	-5.9	-8.1	-50.4
1800	1.50	+4.9	+1.8	+49	+65	-7.7	-9.3	-11.3	-51.3
1900	1.50	+5.8	+1.7	+36	+29	-8.3	-9.1	-9.9	-51.3
2000	1.50	+4.3	+1.6	+76	+139	-9.2	-11.2	-12.8	-51.2
2100	1.50	+3.2	+1.8	+340	+331	-8.4	-9.3	-11.3	-50.3
2200	1.50	+8.4	+4.6	+323	+318	-9.0	-10.0	-11.7	-50.5
2300	1.50	+7.2	+3.7	+26	+22	-9.2	-10.1	-11.7	-51.2
MAX.		+12.9	+9.7	+340	+355	-1.5	+0.6	+2.2	-50.1
MIN.		+2.7	+1.6	+26	+22	-12.3	-15.5	-16.9	-51.3
AVG.	0.00	+6.8	+4.4	+227	+229	-7.3	-8.4	-9.0	-50.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (331) 27 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+5.3	+2.9	+82	+107	-11.5	-12.6	-14.7	-51.2
100	1.50	+3.5	+1.8	+72	+100	-11.7	-12.9	-14.4	-51.2
200	1.50	+6.8	+2.9	+41	+46	-11.1	-11.6	-13.3	-51.3
300	1.50	+1.9	+2.2	+86	+183	-13.3	-13.2	-15.2	-51.2
400	1.50	+1.7	+1.6	+46	+197	-11.8	-12.7	-16.3	-51.2
500	1.50	+0.2	+5.3	+75	+214	-13.2	-15.6	-18.0	-51.2
600	1.50	+2.4	+0.0	+71	+213	-13.1	-14.3	-15.9	-51.2
700	1.50	+4.4	+4.3	+136	+196	-13.1	-15.9	-18.9	-51.2
800	1.50	+3.5	+3.2	+124	+183	-12.5	-14.0	-16.0	-51.2
900	1.50	+3.7	+2.7	+233	+201	-11.2	-11.4	-10.6	-51.1
1000	1.50	+2.3	+3.4	+337	+354	-8.9	-8.3	-7.2	-50.3
1100	1.50	+5.4	+3.7	+23	+18	-8.2	-7.2	-5.7	-51.3
1200	1.50	+3.6	+2.4	+68	+81	-7.6	-5.8	-4.9	-51.3
1300	1.50	+6.1	+6.1	+27	+21	-8.5	-7.4	-5.4	-51.2
1400	1.50	+5.8	+5.9	+36	+22	-7.5	-6.6	-5.7	-51.3
1500	1.50	+6.9	+5.0	+36	+53	-8.6	-7.8	-7.1	-51.3
1600	1.50	+4.3	+4.4	+19	+15	-9.0	-8.6	-8.2	-51.3
1700	1.50	+7.0	+2.9	+8	+355	-10.2	-11.0	-12.0	-51.1
1800	1.50	+3.9	+3.5	+342	+327	-10.5	-11.1	-13.2	-50.4
1900	1.50	+3.3	+2.4	+77	+118	-12.7	-12.9	-14.6	-51.2
2000	1.50	+3.6	+2.4	+105	+158	-12.6	-13.3	-14.8	-51.1
2100	1.50	+1.9	+3.0	+162	+179	-12.3	-12.8	-14.8	-51.1
2200	1.50	+0.6	+1.1	+105	+212	-14.3	-13.6	-17.2	-51.2
2300	1.50	+8.0	+6.5	+266	+236	-13.2	-18.5	-19.9	-50.9
MAX.		+8.0	+6.5	+342	+355	-7.5	-5.8	-4.9	-50.3
MIN.		+0.2	+0.0	18	115	14.3	-18.5	-19.9	-51.3
AVG.	0.00	+4.0	+3.3	+107	+158	-11.1	-11.6	-12.7	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (332) 28 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+6.7	+5.5	+241	+219	-13.6	-18.5	-20.0	-51.0
100	1.50	+7.4	+6.6	+220	+208	-14.3	-18.3	-19.5	-51.0
200	1.50	+4.0	+4.3	+234	+215	-13.9	-17.9	-19.7	-51.0
300	1.50	+9.0	+5.5	+220	+228	-14.5	-19.4	-21.0	-51.1
400	1.50	+9.0	+8.9	+214	+215	-15.0	-18.6	-19.9	-51.1
500	1.50	+6.9	+6.2	+215	+198	-14.7	-18.4	-19.7	-51.0
600	1.50	+8.5	+5.9	+206	+210	-15.0	-19.1	-20.5	-51.0
700	1.50	+5.5	+5.4	+211	+218	-14.7	-18.9	-20.7	-51.1
800	1.50	+6.9	+5.9	+202	+206	-13.9	-17.4	-18.3	-51.0
900	1.50	+6.4	+4.7	+198	+200	-13.3	-13.0	-12.1	-51.1
1000	1.50	+3.7	+3.6	+288	+315	-9.8	-8.5	-6.8	-50.7
1100	1.50	+3.3	+2.5	+327	+278	-8.0	-7.0	-6.2	-50.5
1200	1.50	+4.3	+2.6	+329	+316	-7.7	-6.4	-3.8	-50.6
1300	1.50	+6.6	+5.0	+34	+18	-7.9	-6.6	-5.4	-51.3
1400	1.50	+2.1	+3.1	+332	+74	-7.2	-6.6	-5.6	-51.3
1500	1.50	+6.6	+6.3	+24	+11	-9.3	-8.6	-7.5	-51.3
1600	1.50	+4.3	+3.9	+53	+46	-10.3	-9.8	-9.3	-51.3
1700	1.50	+6.1	+3.5	+56	+62	-11.4	-12.0	-13.5	-51.3
1800	1.50	+2.6	+2.8	+115	+153	-13.2	-13.5	-15.1	-51.2
1900	1.50	+1.7	+3.9	+136	+211	-12.6	-14.5	-16.6	-51.1
2000	1.50	+6.2	+5.7	+215	+202	-12.3	-15.7	-17.0	-51.1
2100	1.50	+2.9	+0.4	+59	+6	-12.8	-13.5	-16.9	-51.2
2200	1.50	+2.8	+3.9	+244	+217	-13.7	-17.4	-18.4	-50.9
2300	1.50	+5.1	+4.2	+233	+215	-14.0	-17.9	-19.5	-51.0
MAX.		+9.0	+8.9	+332	+316	-7.2	-6.4	-3.8	-50.5
MIN.		+1.7	+0.4	+24	+6	-15.0	-19.4	-21.0	-51.3
AVG.	0.00	+5.4	+4.6	+192	+177	-12.2	-14.1	-14.7	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (333) 29 NOV. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+3.3	+2.4	+144	+184	-13.1	-16.0	-18.4	-51.2
100	1.50	+1.4	+5.5	+118	+213	-14.4	-17.1	-19.6	-51.1
200	1.50	+5.5	+4.8	+210	+207	-13.4	-17.9	-19.8	-51.0
300	1.50	+7.5	+7.7	+210	+206	-14.0	-17.8	-20.1	-51.0
400	1.50	+2.3	+2.2	+124	+175	-13.5	-14.8	-17.4	-51.1
500	1.50	+0.3	+4.8	+234	+208	-13.9	-17.0	-19.7	-51.0
600	1.50	+3.1	+4.7	+198	+208	-13.4	-17.8	-19.9	-51.1
700	1.50	+1.8	+1.8	+125	+182	-14.0	-15.6	-17.7	-51.2
800	1.50	+2.4	+2.5	+268	+244	-13.3	-14.4	-16.6	-50.9
900	1.50	+2.8	+3.2	+287	+282	-12.4	-11.0	-10.2	-50.7
1000	1.50	+2.9	+2.0	+40	+35	-9.7	-9.1	-7.6	-51.3
1100	1.50	+5.7	+2.3	+27	+44	-9.0	-6.6	-5.4	-51.3
1200	1.50	+3.3	+3.1	+37	+10	-7.6	-6.2	-4.8	-51.3
1300	1.50	+6.8	+6.2	+3	+361	-7.5	-6.8	-5.2	-50.2
1400	1.50	+5.4	+7.0	+15	+15	-7.0	-6.2	-5.2	-51.0
1500	1.50	+5.8	+4.2	+29	+50	-8.4	-7.4	-6.4	-51.3
1600	1.50	+5.3	+4.1	+51	+43	-9.5	-9.0	-8.7	-51.3
1700	1.50	+5.5	+4.4	+54	+44	-11.4	-11.8	-12.7	-51.3
1800	1.50	+3.1	+1.2	+44	+90	-11.7	-12.3	-15.3	-51.2
1900	1.50	+0.1	+1.2	+275	+273	-14.1	-13.8	-15.2	-50.8
2000	1.50	+4.7	+5.9	+204	+214	-11.8	-14.8	-15.9	-51.1
2100	1.50	+4.8	+6.1	+221	+210	-11.0	-14.4	-16.2	-51.0
2200	1.50	+1.6	+2.8	+240	+227	-11.5	-12.2	-15.6	-51.0
2300	1.50	+1.4	+3.0	+138	+166	-13.0	-14.2	-15.8	-51.2
MAX.		+7.5	+7.7	+287	+361	-7.0	-6.2	-4.8	50.2
MIN.		+0.1	+1.2	+3	+10	-14.4	-17.9	-20.1	-51.3
AVG.	0.00	+3.6	+3.9	+137	+162	-11.6	-12.7	-13.7	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (334) 30 NOV. '79

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 306		DAY 307		TIME	DAY 308		DAY 309	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.0	0.0	2.3	2.8	0	0.6	2.8	2.8	3.6
0.0	0.0	1.7	2.4	100	1.3	3.2	2.4	3.0
0.0	0.0	1.0	1.5	200	0.8	1.4	3.4	3.8
0.0	0.0	1.2	1.9	300	1.2	2.5	3.4	3.8
0.0	0.0	0.2	0.6	400	1.6	3.3	3.1	3.5
0.0	0.0	0.1	0.3	500	0.9	3.0	3.0	3.2
0.0	0.0	0.2	0.3	600	0.6	1.0	2.4	3.0
0.0	0.0	0.5	0.8	700	1.5	1.4	2.7	3.4
0.0	0.0	-0.4	-0.9	800	1.0	0.9	0.9	0.4
0.0	0.0	-0.6	-1.3	900	-0.2	-0.5	-1.2	-1.8
0.0	0.0	-0.5	-0.8	1000	-1.4	-2.7	-1.0	-1.5
0.0	0.0	-0.8	-1.7	1100	-1.0	-2.1	-0.9	-2.1
0.0	0.0	-0.5	-1.0	1200	-0.1	-0.5	-0.9	-1.6
0.0	0.0	-0.5	-1.0	1300	-0.6	-1.0	-0.5	-1.1
0.0	0.0	-0.9	-2.0	1400	-1.1	-2.0	-0.3	-0.6
0.0	0.0	-0.7	-1.1	1500	-0.4	-0.6	-0.9	-0.7
-1.0	-1.7	-0.3	-0.5	1600	-0.3	-0.6	-0.5	-0.7
0.5	1.1	0.4	0.9	1700	0.6	1.1	0.4	1.2
1.4	3.3	1.2	2.1	1800	1.0	2.5	0.9	2.0
2.0	3.0	0.7	1.4	1900	2.4	2.9	1.8	3.2
0.9	1.8	0.4	0.9	2000	1.9	2.8	1.6	2.0
4.0	4.8	0.3	0.5	2100	2.3	2.8	3.0	3.6
2.6	3.3	1.1	1.5	2200	2.5	2.8	4.3	4.9
1.1	1.6	0.3	1.4	2300	2.7	3.4	4.7	5.1

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

----- DELTA-TEMP CALCULATIONS -----

DAY 310		DAY 311		TIME	DAY 312		DAY 313	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.9	2.2	1.0	1.2	0	2.3	2.8	2.7	3.0
0.9	1.5	0.3	1.4	100	1.0	1.3	1.9	2.3
1.9	2.4	0.6	1.8	200	1.3	1.5	1.9	2.3
3.4	3.6	0.7	2.1	300	1.0	1.5	1.6	2.2
0.7	0.8	1.5	2.9	400	1.7	1.8	2.6	2.9
0.7	1.6	1.7	2.1	500	1.2	1.4	3.3	3.6
0.8	2.0	0.6	0.9	600	0.3	0.4	1.3	1.5
2.3	2.5	0.2	0.3	700	0.1	0.1	2.2	2.4
1.7	1.6	0.0	0.0	800	0.6	0.4	0.7	0.2
-0.8	-0.9	-0.2	-0.2	900	-0.3	-0.5	-0.3	-0.6
-0.2	-0.4	-0.1	-0.3	1000	-0.4	-0.7	-0.4	-0.9
-0.6	-1.4	-0.3	-0.6	1100	-0.4	-0.4	-0.4	-1.0
-0.5	-2.1	-0.1	-0.4	1200	-0.3	-1.0	-0.4	-0.7
-0.3	-0.9	-0.4	-0.7	1300	-0.7	-1.4	-0.5	-1.3
-0.8	-1.2	-0.3	-0.8	1400	-0.5	-1.5	-0.9	-1.4
-0.4	-0.7	-0.4	-0.5	1500	-0.7	-1.0	-0.3	-0.5
-0.2	-0.4	-0.2	-0.5	1600	-0.4	-0.5	-0.1	0.0
0.1	0.0	0.4	0.5	1700	0.6	1.2	0.2	0.5
0.2	0.7	0.3	0.4	1800	0.8	2.0	0.1	0.4
-0.3	0.6	1.0	1.2	1900	2.9	3.2	0.3	0.5
1.7	1.9	0.8	1.1	2000	1.9	2.1	0.4	0.7
1.2	2.3	0.4	0.6	2100	0.7	1.5	0.1	0.2
3.6	4.0	0.4	0.6	2200	1.0	1.7	-0.1	-0.1
2.6	3.2	0.7	1.7	2300	2.1	2.7	0.1	0.2

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 314		DAY 315		TIME	DAY 316		DAY 317	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.1	0.2	0.7	1.0	0	2.0	3.1	0.8	1.1
0.0	0.0	0.3	0.5	100	3.8	4.2	1.8	2.1
-0.1	-0.1	0.2	0.3	200	2.4	2.9	1.0	1.4
0.1	0.1	0.3	0.5	300	2.9	3.8	2.3	2.7
0.4	1.0	0.3	0.4	400	4.1	4.6	2.7	3.2
0.4	1.0	0.1	0.0	500	3.1	3.5	4.0	4.4
1.3	2.2	0.8	1.0	600	1.0	1.1	4.5	4.9
2.6	2.9	0.7	1.0	700	0.7	0.9	2.7	3.0
-0.2	-0.7	0.5	0.5	800	0.1	-0.2	0.5	0.1
-0.6	-1.3	-0.4	-1.2	900	-0.5	-1.3	-0.5	-1.0
-0.3	-1.1	-0.6	-1.2	1000	-0.5	-1.3	-0.5	-1.2
-0.6	-1.4	-0.2	-1.0	1100	-0.9	-1.7	-0.5	-1.2
-0.6	-1.7	-0.8	-1.9	1200	-0.3	-1.3	-0.9	-1.7
-0.9	-2.0	-0.4	-1.3	1300	-0.8	-2.0	-0.5	-1.2
-0.9	-1.6	-0.4	-0.7	1400	-0.6	-1.1	-0.6	-1.6
-0.5	-1.2	-0.4	-0.7	1500	-0.5	-0.9	-0.6	-1.3
-0.4	-0.5	-0.4	-0.4	1600	-0.2	-0.5	-0.3	-0.4
0.1	0.8	-0.2	0.1	1700	0.3	0.4	0.5	1.1
0.4	0.5	0.1	1.4	1800	0.3	0.6	0.6	1.3
0.3	0.4	0.7	1.5	1900	0.6	0.9	2.4	2.6
0.3	0.7	0.8	1.4	2000	1.1	1.4	0.7	1.8
0.6	0.8	0.9	1.5	2100	0.6	0.8	3.1	3.4
0.4	0.8	1.2	1.3	2200	0.3	0.5	3.5	4.2
0.7	1.0	0.8	1.7	2300	0.8	1.0	3.8	4.6

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 318		DAY 319		TIME	DAY 320		DAY 321	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.9	3.0	4.4	4.8	0	0.4	2.7	1.3	2.5
1.5	2.5	3.9	4.4	100	2.8	4.2	2.1	4.7
2.0	3.3	4.5	5.3	200	2.0	3.9	1.1	3.2
4.0	4.8	5.0	5.5	300	2.5	4.4	0.7	2.0
4.3	4.8	4.6	5.1	400	3.2	4.3	0.5	2.2
3.0	3.8	4.7	5.2	500	5.2	6.0	0.8	3.0
4.3	4.7	4.3	5.4	600	4.3	5.4	0.3	1.5
4.1	4.6	1.0	3.1	700	3.8	6.2	1.0	2.0
2.0	1.6	2.8	2.5	800	0.6	0.3	0.5	0.5
-0.7	-1.6	-0.6	-1.2	900	-0.6	-0.9	-0.1	-0.3
-0.3	-0.7	-0.5	-1.1	1000	-0.5	-1.1	-0.4	-1.0
-0.8	-1.8	-0.3	-1.4	1100	-0.8	-1.6	-0.7	-1.7
-0.7	-1.6	-0.7	-1.8	1200	-0.6	-2.0	-0.7	-1.8
-1.1	-2.1	-0.5	-1.5	1300	-1.1	-2.0	-0.6	-1.3
-0.7	-1.5	-0.5	-1.4	1400	-0.4	-0.6	-0.3	-0.7
-0.3	-0.9	-0.9	-1.3	1500	-0.8	-1.5	-0.3	-0.6
-0.3	-0.5	-0.2	-0.5	1600	-0.3	-0.4	0.5	0.4
0.7	1.1	1.2	2.3	1700	0.1	1.3	0.2	0.3
1.4	2.2	2.1	2.4	1800	1.1	1.5	0.3	0.6
-0.1	0.4	2.2	1.9	1900	0.7	1.2	0.4	0.7
-0.2	1.8	0.6	2.6	2000	0.7	1.7	0.6	0.8
3.7	4.4	2.0	2.7	2100	1.5	2.1	0.8	1.4
4.0	4.5	2.9	5.1	2200	2.2	3.0	0.3	0.5
3.7	4.2	3.3	4.5	2300	2.2	3.2	0.2	0.3

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY		TIME
322		
[-33] [-10]		
0.1	0.2	0
0.3	0.4	100
0.4	0.5	200
0.5	0.8	300
0.3	0.3	400
0.0	-0.1	500
0.3	0.3	600
0.3	0.3	700
0.0	-0.4	800
-0.2	-0.5	900
-0.7	-1.6	1000
-0.4	-0.9	1100
-0.5	-0.9	1200
-0.2	-0.5	1300
-0.2	-0.5	1400
-0.5	-1.0	1500
-0.6	-0.9	1600
0.9	1.2	1700
0.8	1.1	1800
0.0	-0.1	1900
-0.2	-0.4	2000
0.3	0.9	2100
1.6	2.2	2200
1.8	2.3	2300

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 323		DAY 324		TIME	DAY 325		DAY 326	
[-33] [-10]		[-33] [-10]			[-33] [-10]		[-33] [-10]	
3.3	3.7	0.0	-0.1	0	0.0	-0.1	4.4	5.6
3.0	4.7	0.0	0.0	100	-0.1	-0.2	4.4	5.4
3.5	4.8	0.0	-0.2	200	-0.1	-0.3	2.1	4.1
0.9	3.1	-0.1	-0.2	300	0.0	-0.2	5.0	6.2
3.4	4.2	0.0	-0.1	400	0.1	0.1	4.9	6.2
3.4	4.6	0.1	0.0	500	0.1	0.1	5.4	6.3
2.5	3.5	-0.1	-0.1	600	0.0	0.1	4.5	5.6
2.7	3.1	-0.1	-0.2	700	0.2	0.8	4.4	5.4
2.8	2.8	-0.2	-0.7	800	-0.5	-1.0	3.4	3.5
-0.7	-1.3	-0.2	-1.1	900	-0.2	-1.2	0.1	-1.4
-0.7	-1.6	-0.9	-2.1	1000	0.2	-1.0	-1.0	-2.6
-0.5	-1.2	-0.8	-1.9	1100	-0.9	-3.2	-1.7	-2.2
-0.5	-1.2	-0.8	-2.8	1200	-2.1	-3.5	-1.5	-3.8
-0.6	-1.7	-0.6	-1.6	1300	-0.5	-1.4	-1.7	-3.0
-0.4	-0.8	-0.6	-1.6	1400	-0.9	-2.2	-1.0	-2.5
-0.3	-0.8	-0.2	-0.8	1500	-0.5	-1.5	-1.1	-1.7
-0.2	-0.6	-0.2	-0.5	1600	0.3	0.2	-0.3	-0.4
-0.1	-0.3	0.0	-0.1	1700	0.8	2.2	0.7	1.1
-0.1	-0.2	-0.1	-0.1	1800	0.7	2.3	0.7	1.7
-0.2	-0.3	-0.2	-0.3	1900	1.2	2.3	0.7	1.2
-0.1	-0.1	-0.2	-0.1	2000	1.2	2.6	1.4	1.9
0.0	-0.2	-0.1	-0.2	2100	2.2	2.5	0.6	0.9
-0.1	-0.2	0.1	0.1	2200	-0.4	1.0	1.1	2.0
-0.1	-0.2	0.0	-0.2	2300	0.4	2.6	1.1	2.9

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 327		DAY 328		TIME	DAY 329		DAY 330	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.8	1.9	1.7	3.3	0	0.4	0.5	0.4	0.6
0.6	1.9	4.0	5.3	100	1.1	1.3	0.5	0.7
0.6	1.1	2.7	4.9	200	1.5	2.0	1.9	2.8
0.9	1.7	2.0	3.7	300	1.1	1.6	0.4	0.7
0.2	0.5	2.7	3.7	400	1.4	2.4	0.5	1.4
0.1	0.5	3.3	5.6	500	0.2	0.4	0.8	1.1
0.1	0.3	4.7	5.4	600	0.3	0.4	0.5	0.7
0.1	0.1	1.6	2.1	700	0.3	0.5	0.3	0.4
-0.2	-0.4	2.0	2.0	800	0.1	0.1	-0.2	-0.3
-1.1	-1.6	-0.1	-1.4	900	-0.1	-0.6	-0.5	-1.2
-0.7	-1.3	-0.8	-1.7	1000	-0.7	-2.0	-0.4	-0.8
-1.3	-2.6	-0.6	-1.4	1100	-1.0	-2.6	-0.4	-1.2
-1.1	-1.8	-0.9	-2.0	1200	-0.9	-2.3	-0.8	-1.5
-0.6	-1.4	-0.7	-1.6	1300	-0.9	-2.2	-0.4	-1.1
-0.3	-0.9	-0.7	-1.7	1400	0.0	-0.6	-1.1	-2.2
-1.0	-2.8	-0.4	-0.9	1500	-0.6	-1.7	-0.5	-0.8
-0.6	-1.1	-0.1	-0.5	1600	-0.4	-0.5	-0.4	-0.6
0.0	-0.2	0.4	0.4	1700	0.2	0.9	0.1	0.2
1.0	1.5	0.5	0.7	1800	0.9	1.2	0.7	1.8
1.5	2.4	0.3	0.5	1900	0.5	0.5	0.8	1.2
1.1	2.5	0.2	0.2	2000	0.9	1.2	0.6	0.9
0.3	1.2	0.4	0.5	2100	0.4	0.5	1.2	1.8
0.7	0.9	0.3	0.6	2200	0.2	0.3	0.9	1.4
0.7	1.7	0.5	0.6	2300	0.2	0.4	1.2	1.8

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 331		DAY 332		TIME	DAY 333		DAY 334	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.2	2.6	1.1	3.2	0	4.9	6.4	2.9	5.3
2.0	2.9	1.2	2.7	100	4.0	5.2	2.7	5.2
2.6	4.3	0.5	2.2	200	4.0	5.8	4.5	6.4
1.2	3.0	-0.1	1.9	300	4.9	6.5	3.8	6.1
4.2	5.6	0.9	4.5	400	3.6	4.9	1.3	3.9
3.5	5.3	2.4	4.8	500	3.7	5.0	3.1	5.8
4.7	6.7	1.2	2.8	600	4.1	5.5	4.4	6.5
5.7	7.0	2.8	5.8	700	4.2	6.0	1.6	3.7
2.1	2.3	1.5	3.5	800	3.5	4.4	1.1	3.3
-1.0	-2.3	0.2	-0.6	900	-0.3	-1.2	-1.4	-2.2
-2.1	-3.3	-0.6	-1.7	1000	-1.3	-3.0	-0.6	-2.1
-1.3	-3.3	-1.0	-2.5	1100	-1.0	-1.8	-2.4	-3.6
-0.5	-2.3	-1.8	-2.7	1200	-1.3	-3.9	-1.4	-2.8
0.0	-1.7	-1.1	-3.1	1300	-1.3	-2.5	-0.7	-2.3
-2.2	-3.8	-0.9	-1.8	1400	-0.6	-1.6	-0.8	-1.8
-0.6	-1.6	-0.8	-1.5	1500	-0.7	-1.8	-1.0	-2.0
-0.5	-0.7	-0.4	-0.8	1600	-0.5	-1.0	-0.5	-0.8
0.2	2.4	0.8	1.8	1700	0.6	2.1	0.4	1.3
1.6	3.6	0.6	2.7	1800	0.3	1.9	0.6	3.6
0.8	1.6	0.2	1.9	1900	1.9	4.0	-0.3	1.1
2.0	3.6	0.7	2.2	2000	3.4	4.7	3.0	4.1
0.9	2.9	0.5	2.5	2100	0.7	4.1	3.4	5.2
1.0	2.7	-0.7	2.9	2200	3.7	4.7	0.7	4.1
0.9	2.5	5.3	6.7	2300	3.9	5.5	1.2	2.8

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station #1

1 DECEMBER 1979 through 31 DECEMBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

6 May 80
James B. Mershon, Vice Pres.

PRECIPITATION RECORDINGS

1 DECEMBER 1979 through 31 DECEMBER 1979

DAY	355	(21 DECEMBER)	-	.01"	1600 hrs.
DAY	356	(22 DECEMBER)	-	.33"	0700 - 1600
DAY	361	(27 DECEMBER)	-	.01"	1100

.35" TOTAL FOR PERIOD

PERFORMANCE EVALUATION

100% data retrieval accomplished with the exception of Soil Temp. (eliminated after tower relocation).

GEOKINETICS MET STATION 1
WIND ROSE VALUES

100' ----- NUMBER OF OCCURRENCES: ----- 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
13	13	3	0	(29)	N	11	22	1	0	(34)	
14	27	5	2	(48)	N N E	20	21	1	1	(43)	
9	32	2	1	(44)	N E	24	23	2	1	(50)	
19	16	2	1	(38)	E N E	12	10	1	0	(23)	
20	22	1	0	(43)	E	18	3	0	0	(21)	
10	17	2	0	(29)	E S E	18	6	0	0	(24)	
13	12	2	0	(27)	S E	24	10	1	1	(36)	
8	18	5	11	(42)	S S E	20	9	5	4	(46)	
10	12	32	72	(126)	S	22	24	40	25	(111)	
9	23	33	29	(94)	S S W	22	55	46	10	(133)	
9	28	10	2	(49)	S W	14	50	12	2	(78)	
11	20	5	2	(38)	W S W	10	18	2	0	(30)	
4	22	7	2	(35)	W	9	10	3	0	(22)	
7	15	8	3	(33)	W N W	10	18	6	1	(35)	
13	20	10	0	(43)	N W	13	21	2	1	(37)	
6	17	3	0	(26)	N N W	9	10	2	0	(21)	

(175)(314)(130)(125)

(264)(310)(124)(46)

100' ----- PERCENTAGES OF OCCURRENCES: ----- 33'

<3	3-7	7-12	>12			<3	3-7	7-12	>12		
1.7	1.7	0.4	0.0	(3.9)	N	1.5	3.0	0.1	0.0	(4.6)	
1.9	3.6	0.7	0.3	(6.5)	N N E	2.7	2.8	0.1	0.1	(5.8)	
1.2	4.3	0.3	0.1	(5.9)	N E	3.2	3.1	0.3	0.1	(6.7)	
2.6	2.2	0.3	0.1	(5.1)	E N E	1.6	1.3	0.1	0.0	(3.1)	
2.7	3.0	0.1	0.0	(5.8)	E	2.4	0.4	0.0	0.0	(2.8)	
1.3	2.3	0.3	0.0	(3.9)	E S E	2.4	0.8	0.0	0.0	(3.2)	
1.7	1.6	0.3	0.0	(3.6)	S E	3.2	1.3	0.1	0.1	(4.8)	
1.1	2.4	0.7	1.5	(5.6)	S S E	3.8	1.2	0.7	0.5	(6.2)	
1.3	1.6	4.3	9.7	(16.9)	S	3.0	3.2	5.4	3.4	(14.9)	
1.2	3.1	4.4	3.9	(12.6)	S S W	3.0	7.4	6.2	1.3	(17.9)	
1.2	3.8	1.3	0.3	(6.6)	S W	1.9	6.7	1.6	0.3	(10.5)	
1.5	2.7	0.7	0.3	(5.1)	W S W	1.3	2.4	0.3	0.0	(4.0)	
0.5	3.0	0.9	0.3	(4.7)	W	1.2	1.3	0.4	0.0	(3.0)	
0.9	2.0	1.1	0.4	(4.4)	W N W	1.3	2.4	0.8	0.1	(4.7)	
1.7	2.7	1.3	0.0	(5.8)	N W	1.7	2.8	0.3	0.1	(5.0)	
0.8	2.3	0.4	0.0	(3.5)	N N W	1.2	1.3	0.3	0.0	(2.8)	

(23.5)(42.2)(17.5)(16.8)

(35.5)(41.7)(16.7)(6.2)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+0.2	+3.8	+182	+200	-13.8	-14.2	-16.4	-51.1
100	1.50	+3.5	+3.5	+227	+235	-11.7	-13.4	-16.6	-51.0
200	1.50	+2.5	+4.2	+269	+214	-12.4	-13.4	-16.0	-51.0
300	1.50	+4.3	+2.6	+319	+313	-12.5	-13.6	-15.2	-50.6
400	1.50	+1.5	+1.0	+214	+348	-13.0	-14.1	-15.2	-50.8
500	1.50	+4.9	+4.4	+221	+219	-11.7	-16.3	-17.5	-51.0
600	1.50	+4.8	+4.6	+284	+229	-11.3	-13.1	-16.7	-50.9
700	1.50	+0.8	+1.5	+125	+121	-13.2	-13.6	-14.9	-51.2
800	1.50	+2.8	+1.6	+6	+42	-12.9	-13.0	-12.9	-51.3
900	1.50	+3.3	+2.9	+165	+178	-10.3	-9.2	-9.1	-51.2
1000	1.50	+2.8	+1.1	+303	+344	-5.4	-3.7	-1.5	-50.8
1100	1.50	+5.6	+5.0	+338	+350	-6.0	-5.1	-3.9	-50.2
1200	1.50	+4.4	+3.2	+53	+26	-6.0	-4.4	-2.8	-51.3
1300	1.50	+2.3	+2.8	+354	+5	-3.9	-2.7	-1.6	-51.0
1400	1.50	+8.1	+5.1	+8	+28	-4.4	-3.2	-1.7	-51.3
1500	1.50	+4.2	+4.1	+63	+41	-5.5	-4.8	-3.9	-51.3
1600	1.50	+5.1	+4.3	+345	+10	-6.5	-6.1	-5.8	-51.0
1700	1.50	+8.9	+6.2	+294	+297	-9.6	-10.3	-10.9	-50.7
1800	1.50	+6.5	+2.5	+95	+115	-10.2	-10.9	-12.1	-51.2
1900	1.50	+2.4	+1.3	+114	+136	-10.2	-10.8	-11.5	-51.2
2000	1.50	+2.1	+1.7	+65	+117	-10.4	-10.8	-12.1	-51.3
2100	1.50	+7.4	+2.5	+259	+203	-8.5	-11.6	-12.7	-51.0
2200	1.50	+0.4	+2.4	+24	+224	-9.2	-8.5	-10.9	-51.2
2300	1.50	+3.1	+5.0	+203	+207	-8.0	-10.8	-12.1	-51.2
MAX.		+8.9	+6.2	+354	+350	-3.9	-2.7	-1.5	-50.2
MIN.		+0.2	+1.0	+6	+5	-13.8	-16.3	-17.5	-51.3
AVG.	0.00	+3.8	+3.2	+189	+175	-9.4	-9.9	-10.6	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (335) 1 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+4.6	+2.8	+146	+180	-5.8	-9.0	-11.3	-51.2
100	1.50	+6.5	+2.8	+278	+263	-8.6	-10.7	-11.8	-50.9
200	1.50	+1.6	+1.6	+271	+212	-9.7	-9.0	-10.3	-51.0
300	1.50	+6.0	+4.3	+259	+250	-9.6	-11.4	-12.3	-50.9
400	1.50	+2.7	+3.8	+124	+148	-9.9	-10.9	-12.9	-51.2
500	1.50	+8.6	+5.8	+291	+283	-9.2	-11.6	-12.0	-50.8
600	1.50	+0.5	+2.6	+246	+172	-8.4	-10.7	-12.1	-51.2
700	1.50	+4.4	+3.2	+93	+63	-6.1	-7.4	-9.2	-51.3
800	1.50	+8.2	+5.0	+185	+196	-4.0	-5.1	-6.3	-51.2
900	1.50	+11.7	+10.0	+174	+171	-1.6	-1.8	-1.8	-51.3
1000	1.50	+14.0	+11.8	+182	+182	+1.6	+2.3	+3.1	-51.3
1100	1.50	+5.3	+4.1	+59	+26	-3.4	-3.2	-2.0	-51.3
1200	1.50	+16.8	+10.2	+180	+189	+2.8	+3.9	+4.9	-51.3
1300	1.50	+18.6	+18.1	+185	+172	+1.8	+2.3	+3.0	-51.3
1400	1.50	+13.7	+15.2	+164	+167	+2.6	+3.3	+4.2	-51.3
1500	1.50	+21.8	+16.5	+185	+177	+0.8	+1.1	+1.5	-51.3
1600	1.50	+16.1	+8.8	+187	+217	+0.2	+0.1	+0.3	-51.3
1700	1.50	+9.7	+6.8	+216	+247	+0.0	-0.4	-0.8	-51.2
1800	1.50	+16.7	+12.7	+185	+181	-0.7	-1.3	-1.6	-51.3
1900	1.50	+14.7	+10.0	+211	+209	-0.5	-0.9	-1.2	-51.2
2000	1.50	+15.5	+10.4	+196	+198	-0.2	-0.7	-0.8	-51.2
2100	1.50	+16.2	+10.7	+207	+215	+1.3	+0.6	+0.3	-51.2
2200	1.50	+11.9	+9.0	+201	+206	+1.2	+0.7	+0.4	-51.3
2300	1.50	+15.5	+8.2	+190	+185	-0.6	-1.0	-1.1	-51.2
MAX.		+21.8	+18.1	+291	+283	+2.8	+3.9	+4.9	-50.8
MIN.		+0.5	+1.6	+59	+26	-9.9	-11.6	-12.9	-51.3
AVG.	0.00	+10.9	+8.1	+192	+180	2.7	-3.4	-3.7	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (336) 2 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+18.5	+10.3	+178	+176	+0.4	-0.8	-1.1	-51.3
100	1.50	+15.7	+13.0	+189	+195	+0.0	-0.5	-0.7	-51.2
200	1.50	+13.7	+9.7	+199	+192	+0.2	-0.1	-0.3	-51.2
300	1.50	+3.9	+0.9	+16	+112	-3.0	-5.4	-5.6	-51.3
400	1.50	+3.0	+2.1	+60	+48	-2.5	-2.9	-3.6	-51.3
500	1.50	+4.6	+5.0	+282	+292	-2.1	-3.9	-4.6	-50.9
600	1.50	+5.6	+6.0	+165	+204	-0.7	-2.8	-4.7	-51.2
700	1.50	+4.4	+2.0	+104	+132	-2.7	-4.3	-5.6	-51.3
800	1.50	+4.4	+2.2	+80	+93	-1.5	-2.1	-2.4	-51.3
900	1.50	+4.7	+4.1	+262	+262	+2.5	+1.1	+1.9	-51.2
1000	1.50	+2.5	+2.3	+255	+304	+4.0	+3.4	+4.9	-51.2
1100	1.50	+0.8	+1.3	+243	+316	+8.4	+10.1	+12.0	-51.2
1200	1.50	+3.7	+4.4	+58	+53	+3.2	+3.4	+5.2	-51.3
1300	1.50	+5.9	+5.3	+331	+313	+1.2	+2.4	+4.6	-50.4
1400	1.50	+3.5	+2.3	+17	+37	+2.6	+4.5	+5.7	-51.3
1500	1.50	+1.8	+0.9	+53	+51	+1.2	+2.0	+2.7	-51.3
1600	1.50	+2.5	+1.8	+314	+327	+0.3	+0.3	+0.3	-50.5
1700	1.50	+5.6	+4.4	+87	+105	-2.4	-2.8	-3.3	-51.3
1800	1.50	+2.4	+2.5	+112	+157	-0.4	-1.2	-2.6	-51.3
1900	1.50	+5.7	+3.2	+283	+251	-1.4	-3.3	-4.2	-51.1
2000	1.50	+4.0	+2.2	+111	+120	-1.2	-1.5	-3.0	-51.3
2100	1.50	+0.4	+0.0	+89	+132	-0.9	-1.2	-4.1	-51.3
2200	1.50	+8.9	+3.7	+243	+253	+1.2	-2.9	-4.1	-51.2
2300	1.50	+4.0	+2.1	+246	+139	-2.3	-4.0	-5.1	-51.2
MAX.		+18.5	+13.0	+331	+327	+8.4	+10.1	+12.0	-50.4
MIN.		+0.4	+0.0	+16	+37	-3.0	-5.4	-5.6	-51.3
AVG.	0.00	+5.4	+3.8	+166	+178	+0.2	-0.5	-0.7	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (337) 3 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+4.6	+0.6	+187	+163	+0.6	-2.5	-3.3	-51.3
100	1.50	+3.8	+0.5	+152	+117	-0.6	-3.0	-4.2	-51.3
200	1.50	+1.8	+2.8	+106	+168	-1.7	-2.7	-4.0	-51.3
300	1.50	+1.9	+3.1	+329	+291	+0.4	-1.3	-2.5	-50.8
400	1.50	+6.5	+4.1	+244	+203	-1.9	-4.1	-5.2	-51.2
500	1.50	+4.8	+2.4	+122	+141	-0.7	-2.2	-3.8	-51.3
600	1.50	+1.5	+1.7	+45	+42	-0.7	-1.7	-2.8	-51.3
700	1.50	+4.2	+2.9	+311	+277	-2.8	-4.0	-5.1	-50.8
800	1.50	+4.4	+1.2	+120	+124	+0.0	-0.9	-1.3	-51.3
900	1.50	+10.1	+7.7	+187	+196	+3.0	+2.2	+3.0	-51.3
1000	1.50	+9.0	+5.6	+186	+176	+6.1	+6.7	+7.3	-51.3
1100	1.50	+12.0	+9.5	+172	+172	+8.4	+9.4	+10.8	-51.4
1200	1.50	+6.8	+5.0	+150	+177	+11.0	+12.6	+14.2	-51.3
1300	1.50	+12.8	+11.0	+184	+177	+9.6	+10.5	+11.3	-51.3
1400	1.50	+15.9	+12.1	+184	+182	+10.4	+11.2	+12.0	-51.3
1500	1.50	+13.6	+9.5	+181	+204	+9.1	+9.7	+10.0	-51.3
1600	1.50	+19.4	+9.6	+188	+181	+7.8	+7.6	+7.4	-51.3
1700	1.50	+19.9	+11.1	+192	+186	+5.5	+4.5	+4.2	-51.3
1800	1.50	+17.2	+16.3	+186	+187	+4.6	+4.2	+3.8	-51.3
1900	1.50	+16.1	+14.7	+189	+203	+3.9	+3.5	+3.1	-51.3
2000	1.50	+18.6	+12.6	+188	+197	+3.9	+3.3	+3.0	-51.3
2100	1.50	+21.7	+16.1	+182	+188	+4.7	+3.7	+3.4	-51.3
2200	1.50	+19.8	+14.4	+210	+207	+6.1	+5.5	+5.2	-51.3
2300	1.50	+21.1	+16.8	+196	+189	+5.8	+4.5	+4.1	-51.3
MAX.		+21.7	+16.8	+329	+291	+11.0	+12.6	+14.2	-50.8
MIN.		+1.5	+0.5	+45	+42	-2.8	-4.1	-5.2	-51.4
AVG.	0.00	+11.1	+8.0	+183	+181	+3.9	+3.2	+2.9	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (338) 4 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+18.8	+17.0	+188	+200	+4.1	+3.4	+2.9	-51.3
100	1.50	+18.6	+12.3	+207	+194	+4.8	+3.4	+3.1	-51.3
200	1.50	+12.8	+9.0	+242	+242	+4.2	+3.0	+2.5	-51.2
300	1.50	+12.8	+9.3	+256	+269	+1.7	+0.5	+0.1	-51.2
400	1.50	+4.4	+2.9	+13	+28	+0.0	-0.3	-1.1	-51.3
500	1.50	+4.2	+3.3	+99	+110	-0.3	-0.8	-1.8	-51.3
600	1.50	+12.7	+9.7	+283	+291	-0.6	-1.4	-2.1	-51.1
700	1.50	+9.1	+5.4	+316	+309	-1.0	-2.0	-3.7	-50.8
800	1.50	+3.7	+1.4	+315	+324	-0.8	-1.3	-1.6	-50.8
900	1.50	+11.5	+7.9	+305	+294	+0.5	+0.9	+1.5	-51.0
1000	1.50	+3.3	+2.9	+330	+291	+1.8	+3.0	+4.3	-50.8
1100	1.50	+15.6	+13.0	+284	+300	+2.6	+3.7	+4.8	-51.0
1200	1.50	+15.0	+10.2	+266	+308	+2.7	+3.3	+4.3	-51.2
1300	1.50	+5.7	+4.0	+315	+315	+3.9	+5.6	+6.7	-50.9
1400	1.50	+4.7	+4.2	+4	+9	+4.0	+5.1	+5.7	-51.3
1500	1.50	+7.0	+4.1	+28	+22	+2.9	+3.3	+3.8	-51.3
1600	1.50	+7.1	+4.2	+63	+81	+1.7	+1.6	+1.7	-51.3
1700	1.50	+1.9	+2.0	+95	+164	+0.0	+0.0	-0.9	-51.3
1800	1.50	+4.8	+4.5	+134	+146	+1.0	-0.2	-1.3	-51.3
1900	1.50	+3.3	+4.4	+155	+221	+0.9	-2.6	-3.4	-51.3
2000	1.50	+8.7	+7.3	+189	+191	-1.5	-3.7	-4.3	-51.3
2100	1.50	+4.6	+0.2	+188	+71	-3.0	-4.3	-4.9	-51.3
2200	1.50	+14.2	+9.9	+179	+203	-0.1	-2.8	-3.5	-51.3
2300	1.50	+10.6	+9.2	+192	+215	+1.3	-3.4	-3.8	-51.3
MAX.		+18.8	+17.0	+330	+324	+4.8	+5.6	+6.7	-50.8
MIN.		+1.9	+0.2	+4	+9	-3.0	-4.3	-4.9	-51.3
AVG.	0.00	+9.0	+6.6	+194	+200	+1.3	+0.6	+0.4	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (339) 5 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+13.6	+9.2	+182	+204	-1.3	-3.2	-3.5	-51.3
100	1.50	+7.8	+8.1	+212	+236	-0.7	-3.0	-4.0	-51.2
200	1.50	+3.4	+3.6	+264	+197	-2.4	-5.2	-6.1	-51.2
300	1.50	+13.8	+7.8	+192	+210	-2.1	-6.1	-6.4	-51.2
400	1.50	+2.0	+2.9	+154	+205	-4.8	-5.5	-6.2	-51.2
500	1.50	+4.1	+2.9	+196	+232	-4.1	-5.3	-6.9	-51.2
600	1.50	+14.4	+10.1	+188	+208	-3.7	-4.4	-4.7	-51.2
700	1.50	+13.0	+12.1	+181	+197	-3.6	-4.3	-4.5	-51.2
800	1.50	+13.8	+10.2	+188	+209	-3.5	-4.3	-4.3	-51.2
900	1.50	+13.1	+7.7	+197	+202	-1.9	-2.1	-1.4	-51.3
1000	1.50	+6.0	+3.6	+180	+189	+2.5	+3.9	+5.1	-51.3
1100	1.50	+3.8	+2.6	+59	+82	+2.4	+3.7	+4.8	-51.3
1200	1.50	+5.3	+2.4	+15	+15	+3.8	+5.1	+6.8	-51.3
1300	1.50	+9.9	+6.4	+334	+349	+3.2	+4.3	+5.5	-50.3
1400	1.50	+2.7	+2.9	+32	+65	+4.0	+5.3	+6.2	-51.3
1500	1.50	+7.7	+5.3	+26	+18	+3.2	+4.1	+5.1	-51.3
1600	1.50	+4.9	+4.4	+40	+44	+2.2	+2.6	+2.9	-51.3
1700	1.50	+5.6	+3.2	+63	+58	+1.2	+0.6	-0.5	-51.3
1800	1.50	+10.2	+5.0	+182	+203	+0.3	-1.5	-2.0	-51.2
1900	1.50	+15.3	+5.5	+189	+191	-0.8	-1.4	-1.6	-51.2
2000	1.50	+12.8	+6.0	+192	+202	-0.3	-1.2	-1.5	-51.3
2100	1.50	+4.5	+2.3	+91	+128	-2.0	-2.5	-3.9	-51.3
2200	1.50	+10.3	+7.4	+200	+217	-0.8	-2.3	-3.0	-51.2
2300	1.50	+8.8	+6.6	+215	+221	+0.8	-2.9	-3.5	-51.2
MAX.		+15.3	+12.1	+334	+349	+4.0	+5.3	+6.8	-50.3
MIN.		+2.0	+2.3	+15	+15	-4.8	-6.1	-6.9	-51.3
AVG.	0.00	+8.6	+5.8	+157	+170	-0.4	-1.1	-1.2	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (340) 6 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+4.7	+8.0	+218	+206	+1.0	-3.4	-4.2	-51.2
100	1.50	+1.6	+4.8	+207	+221	+0.6	-3.4	-3.9	-51.2
200	1.50	+3.9	+1.5	+96	+107	-1.3	-2.2	-3.3	-51.3
300	1.50	+7.6	+3.0	+97	+127	-1.5	-3.0	-4.1	-51.3
400	1.50	+7.5	+3.6	+114	+154	-1.3	-3.4	-4.4	-51.3
500	1.50	+6.3	+3.2	+102	+144	-0.8	-3.0	-3.8	-51.3
600	1.50	+1.3	+1.2	+30	+287	-2.8	-3.6	-4.6	-51.3
700	1.50	+4.2	+2.2	+100	+129	-2.9	-3.4	-4.2	-51.3
800	1.50	+3.7	+3.0	+133	+175	-1.3	-2.3	-2.8	-51.3
900	1.50	+4.4	+1.8	+206	+179	+0.3	+1.1	+2.0	-51.3
1000	1.50	+3.0	+1.3	+230	+219	+3.0	+5.1	+6.5	-51.3
1100	1.50	+4.9	+3.5	+355	+15	+1.7	+2.8	+3.5	-50.2
1200	1.50	+3.6	+3.3	+333	+7	+2.1	+3.1	+3.9	-51.2
1300	1.50	+6.2	+4.9	+321	+326	+1.3	+2.3	+3.4	-50.6
1400	1.50	+3.8	+1.9	+80	+49	+2.4	+4.5	+5.8	-51.3
1500	1.50	+4.0	+4.4	+81	+90	+4.1	+5.7	+6.5	-51.3
1600	1.50	+1.3	+2.6	+46	+47	+2.8	+3.0	+3.4	-51.3
1700	1.50	+4.7	+4.6	+330	+352	+0.7	+0.7	+0.5	-50.3
1800	1.50	+1.9	+2.7	+192	+192	-0.1	-0.3	-0.5	-51.2
1900	1.50	+2.3	+2.9	+172	+218	+0.0	-0.5	-1.6	-51.2
2000	1.50	+1.4	+2.8	+142	+175	-0.1	-1.3	-2.2	-51.3
2100	1.50	+5.9	+6.5	+203	+198	+0.0	-2.3	-2.9	-51.3
2200	1.50	+8.4	+8.1	+197	+211	+1.9	-2.2	-2.6	-51.3
2300	1.50	+3.3	+0.1	+37	+16	-1.2	-2.2	-3.6	-51.3
MAX.		+8.4	+8.1	+355	+352	+4.1	+5.7	+6.5	-50.2
MIN.		+1.3	+0.1	+30	+7	-2.9	-3.6	-4.6	-51.3
AVG.	0.00	+4.2	+3.4	+168	+160	+0.4	-0.3	-0.6	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (341) 7 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+3.5	+1.4	+68	+79	-2.2	-2.9	-3.6	-51.3
100	1.50	+4.3	+1.5	+97	+140	-2.8	-3.1	-3.8	-51.3
200	1.50	+2.4	+3.8	+212	+253	-1.6	-2.9	-4.1	-51.2
300	1.50	+3.3	+2.4	+314	+283	-0.7	-2.6	-4.2	-50.9
400	1.50	+2.4	+4.6	+211	+215	-1.1	-3.5	-4.6	-51.2
500	1.50	+5.8	+7.0	+199	+207	+0.2	-3.2	-3.8	-51.2
600	1.50	+10.5	+6.6	+186	+195	-1.5	-3.4	-3.8	-51.2
700	1.50	+9.4	+7.5	+187	+204	+0.3	-2.1	-2.7	-51.3
800	1.50	+3.9	+3.4	+146	+208	+2.4	-0.2	-1.2	-51.3
900	1.50	+5.2	+4.9	+154	+210	+2.0	+0.6	+1.0	-51.3
1000	1.50	+7.4	+3.9	+207	+197	+3.0	+4.5	+5.5	-51.3
1100	1.50	+8.5	+8.4	+8	+24	+1.9	+2.7	+3.7	-51.3
1200	1.50	+3.7	+2.9	+87	+33	+3.4	+4.4	+6.5	-51.3
1300	1.50	+2.2	+0.1	+60	+49	+5.2	+8.4	+9.5	-51.3
1400	1.50	+5.4	+5.6	+45	+42	+3.4	+4.3	+5.8	-51.3
1500	1.50	+3.9	+2.6	+32	+35	+4.2	+5.2	+6.0	-51.3
1600	1.50	+3.1	+2.1	+46	+57	+5.6	+6.1	+6.3	-51.3
1700	1.50	+1.4	+3.0	+324	+246	+1.1	-0.6	-1.1	-50.8
1800	1.50	+4.3	+2.5	+41	+331	+1.4	+0.0	-1.1	-51.3
1900	1.50	+2.6	+4.5	+162	+197	+0.0	-1.5	-2.5	-51.3
2000	1.50	+2.3	+1.6	+317	+331	+0.2	+0.2	-0.9	-51.0
2100	1.50	+4.8	+5.7	+171	+179	+0.5	-0.2	-2.1	-51.3
2200	1.50	+6.4	+5.3	+196	+185	+0.6	+0.0	-1.9	-51.3
2300	1.50	+8.8	+3.7	+195	+204	+0.6	-2.6	-3.6	-51.2
MAX.		+10.5	+8.4	+324	+331	+5.6	+8.4	+9.5	-50.8
MIN.		+1.4	+0.1	+8	+24	-2.8	-3.5	-4.6	-51.3
AVG.	0.00	+4.8	+4.0	+153	+171	+1.1	+0.3	-0.0	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (342) 8 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+7.2	+5.9	+203	+213	+1.7	-0.7	-1.8	-51.3
100	1.50	+5.7	+4.9	+192	+186	+0.0	-2.8	-4.0	-51.3
200	1.50	+2.3	+2.2	+97	+172	-0.1	-0.6	-1.9	-51.3
300	1.50	+1.8	+0.8	+98	+164	-0.7	-1.1	-2.5	-51.3
400	1.50	+3.1	+3.2	+114	+143	-0.9	-1.7	-3.0	-51.3
500	1.50	+3.4	+0.6	+63	+83	-1.2	-3.2	-3.7	-51.3
600	1.50	+3.4	+2.8	+108	+112	-1.0	-1.3	-2.1	-51.3
700	1.50	+2.0	+0.3	+57	+127	-0.7	-2.3	-3.0	-51.3
800	1.50	+4.1	+4.1	+193	+217	+0.0	-2.4	-3.0	-51.2
900	1.50	+1.9	+0.2	+313	+25	+1.7	+3.2	+3.0	-51.3
1000	1.50	+1.0	+0.1	+3	+20	+3.2	+6.1	+5.8	-51.3
1100	1.50	+4.5	+2.1	+8	+29	+4.0	+5.5	+6.6	-51.3
1200	1.50	+4.9	+3.7	+20	+10	+4.7	+6.0	+7.3	-51.3
1300	1.50	+4.3	+3.7	+39	+55	+3.6	+5.0	+6.7	-51.3
1400	1.50	+3.9	+2.9	+52	+29	+5.7	+6.8	+7.4	-51.3
1500	1.50	+4.4	+3.3	+356	+11	+5.8	+6.7	+7.1	-51.2
1600	1.50	+3.6	+1.7	+30	+44	+3.3	+3.8	+4.1	-51.3
1700	1.50	+2.5	+1.7	+130	+174	+1.1	+0.6	+0.2	-51.3
1800	1.50	+1.8	+1.2	+56	+36	+0.9	+0.7	-0.3	-51.3
1900	1.50	+18.7	+13.7	+170	+187	+2.7	+1.3	+0.9	-51.3
2000	1.50	+20.1	+15.5	+187	+224	+3.2	+2.6	+2.3	-51.3
2100	1.50	+12.8	+7.7	+189	+200	+2.4	+1.2	+0.4	-51.3
2200	1.50	+11.9	+7.1	+165	+177	+2.5	+1.7	+0.8	-51.3
2300	1.50	+18.0	+9.4	+185	+189	+2.8	+2.4	+2.1	-51.3
MAX.		+20.1	+15.5	+356	+224	+5.8	+6.8	+7.4	-51.2
MIN.		+1.0	+0.1	+3	+10	-1.2	-3.2	-4.0	-51.3
AVG.	0.00	+6.1	+4.1	+126	+118	+1.9	+1.6	+1.2	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (343) 9 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+16.5	+10.8	+196	+225	+2.8	+2.1	+1.8	-51.3
100	1.50	+12.5	+9.5	+172	+167	+2.2	+1.7	+1.2	-51.3
200	1.50	+7.2	+4.3	+183	+190	+2.1	+1.6	+0.8	-51.3
300	1.50	+17.6	+8.2	+173	+182	+2.1	+1.7	+1.4	-51.3
400	1.50	+16.6	+9.2	+166	+170	+1.9	+1.6	+1.5	-51.3
500	1.50	+17.5	+13.0	+184	+193	+1.3	+1.1	+1.0	-51.3
600	1.50	+16.0	+13.6	+189	+176	+1.1	+0.7	+0.6	-51.3
700	1.50	+25.1	+15.6	+178	+179	+1.4	+1.1	+1.0	-51.3
800	1.50	+15.7	+11.7	+195	+213	+1.0	+1.1	+1.2	-51.3
900	1.50	+31.3	+27.7	+179	+179	+3.4	+3.8	+4.3	-51.3
1000	1.50	+21.8	+18.0	+185	+178	+4.0	+4.7	+5.5	-51.3
1100	1.50	+24.1	+20.6	+186	+191	+5.4	+6.4	+7.3	-51.3
1200	1.50	+28.0	+20.5	+191	+184	+6.1	+7.0	+8.1	-51.3
1300	1.50	+21.7	+22.2	+200	+208	+6.8	+8.0	+9.2	-51.3
1400	1.50	+23.4	+16.2	+188	+177	+5.9	+6.4	+6.8	-51.3
1500	1.50	+25.7	+23.5	+194	+183	+5.4	+5.9	+6.3	-51.3
1600	1.50	+24.1	+23.3	+180	+177	+5.2	+5.5	+5.7	-51.3
1700	1.50	+20.8	+16.1	+159	+172	+3.2	+3.2	+3.2	-51.3
1800	1.50	+19.4	+14.0	+168	+165	+3.2	+2.9	+2.9	-51.3
1900	1.50	+15.0	+7.8	+195	+210	+2.7	+2.4	+2.3	-51.3
2000	1.50	+15.3	+8.2	+168	+179	+2.5	+1.9	+1.7	-51.3
2100	1.50	+10.0	+6.5	+222	+234	+2.5	+2.0	+1.9	-51.2
2200	1.50	+15.8	+14.3	+299	+314	-0.9	-0.8	-0.6	-50.9
2300	1.50	+9.5	+5.6	+262	+269	-1.4	-1.2	-1.0	-51.2
MAX.		+31.3	+27.7	+299	+314	+6.8	+8.0	+9.2	-50.9
MIN.		+7.2	+4.3	+159	+165	-1.4	-1.2	-1.0	-51.3
AVG.	0.00	+18.8	+14.2	+192	+196	+2.9	+3.0	+3.1	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (344) 10 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+10.4	+9.2	+350	+350	-3.0	-3.0	-3.0	-50.3
100	1.50	+6.6	+5.1	+27	+36	-4.4	-4.3	-4.2	-51.3
200	1.50	+7.7	+3.5	+32	+41	-5.7	-5.9	-6.0	-51.3
300	1.50	+3.4	+2.4	+25	+17	-6.3	-6.3	-6.7	-51.3
400	1.50	+7.3	+3.7	+43	+64	-7.4	-8.2	-9.5	-51.3
500	1.50	+5.6	+2.7	+56	+82	-9.0	-9.7	-10.7	-51.3
600	1.50	+4.0	+0.9	+62	+80	-10.0	-11.8	-12.9	-51.3
700	1.50	+7.6	+3.2	+114	+136	-10.8	-12.0	-13.0	-51.2
800	1.50	+3.4	+1.5	+81	+106	-11.0	-11.3	-12.3	-51.2
900	1.50	+6.3	+3.9	+18	+22	-9.2	-8.6	-7.8	-51.3
1000	1.50	+14.7	+12.4	+47	+54	-9.2	-8.5	-7.3	-51.3
1100	1.50	+14.2	+7.3	+72	+46	-7.2	-5.4	-4.5	-51.3
1200	1.50	+12.9	+11.9	+32	+61	-6.9	-5.7	-4.2	-51.3
1300	1.50	+19.7	+12.2	+17	+27	-7.0	-5.5	-4.4	-51.3
1400	1.50	+5.7	+2.4	+27	+351	-7.0	-5.7	-4.5	-51.3
1500	1.50	+6.6	+4.1	+41	+42	-7.3	-6.6	-5.6	-51.3
1600	1.50	+6.0	+5.8	+51	+39	-8.0	-7.7	-7.5	-51.3
1700	1.50	+6.3	+3.6	+20	+11	-8.8	-9.2	-10.5	-51.3
1800	1.50	+8.5	+5.0	+24	+7	-8.9	-10.0	-12.4	-51.3
1900	1.50	+8.9	+4.6	+17	+4	-9.1	-10.2	-12.2	-51.3
2000	1.50	+4.0	+2.5	+103	+136	-10.6	-11.0	-13.2	-51.2
2100	1.50	+6.4	+3.3	+117	+171	-9.9	-12.6	-13.9	-51.2
2200	1.50	+3.3	+3.8	+157	+217	-11.1	-15.1	-16.2	-51.1
2300	1.50	+9.1	+7.5	+195	+206	-11.0	-14.9	-16.2	-51.1
MAX.		+19.7	+12.4	+350	+351	-3.0	-3.0	-3.0	-50.3
MIN.		+3.3	+0.9	+17	+4	-11.1	-15.1	-16.2	-51.3
AVG.	0.00	+7.9	+5.1	+72	+96	-8.3	-8.7	-9.1	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (345) 11 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+10.3	+9.4	+202	+202	-11.0	-15.3	-16.2	-51.1
100	1.50	+11.2	+8.3	+201	+204	-11.8	-15.6	-16.6	-51.1
200	1.50	+8.9	+9.1	+197	+210	-11.0	-15.7	-16.8	-51.1
300	1.50	+5.4	+5.0	+194	+208	-13.4	-15.9	-17.2	-51.1
400	1.50	+7.3	+4.0	+166	+193	-11.9	-16.2	-17.9	-51.1
500	1.50	+10.1	+7.5	+177	+198	-11.0	-16.6	-17.9	-51.1
600	1.50	+7.3	+7.5	+171	+222	-10.8	-16.0	-17.4	-51.1
700	1.50	+5.3	+5.9	+203	+217	-10.7	-16.5	-17.8	-51.0
800	1.50	+2.8	+4.5	+154	+200	-12.2	-15.4	-16.6	-51.2
900	1.50	+4.8	+2.6	+201	+207	-11.3	-10.8	-10.0	-51.1
1000	1.50	+0.4	+1.2	+353	+53	-5.4	-2.8	-2.1	-51.1
1100	1.50	+6.0	+4.5	+316	+285	-7.4	-6.1	-4.3	-50.6
1200	1.50	+6.1	+4.3	+17	+361	-6.1	-4.5	-3.5	-51.2
1300	1.50	+1.7	+1.2	+29	+50	-3.4	-1.3	-1.0	-51.3
1400	1.50	+6.2	+6.0	+335	+344	-4.1	-3.3	-2.4	-50.3
1500	1.50	+4.2	+3.3	+43	+35	-5.5	-4.4	-3.4	-51.3
1600	1.50	+3.6	+1.4	+49	+82	-6.4	-5.7	-5.3	-51.3
1700	1.50	+4.4	+3.5	+36	+29	-8.7	-8.8	-9.0	-51.3
1800	1.50	+1.3	+0.0	+46	+145	-9.9	-11.2	-12.6	-51.2
1900	1.50	+1.8	+0.1	+82	+85	-10.4	-11.7	-12.9	-51.3
2000	1.50	+0.8	+2.7	+21	+203	-8.3	-9.8	-12.1	-51.3
2100	1.50	+5.2	+3.1	+122	+145	-8.3	-9.6	-11.7	-51.2
2200	1.50	+3.0	+1.4	+83	+138	-8.0	-8.4	-10.5	-51.3
2300	1.50	+2.0	+1.9	+75	+150	-6.9	-7.1	-9.6	-51.2
MAX.		+11.2	+9.4	+353	+361	-3.4	-1.3	-1.0	-50.3
MIN.		+0.4	+0.0	+17	+29	-13.4	-16.6	-17.9	-51.3
AVG.	0.00	+5.0	+4.1	+145	+174	-8.9	-10.4	-11.0	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (346) 12 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+7.7	+3.9	+283	+260	-9.0	-10.7	-11.5	-50.9
100	1.50	+1.3	+0.9	+325	+332	-10.3	-12.8	-13.2	-50.4
200	1.50	+7.0	+4.5	+216	+216	-10.1	-14.0	-15.0	-51.1
300	1.50	+0.9	+1.1	+69	+133	-11.2	-12.5	-15.4	-51.2
400	1.50	+2.8	+2.3	+243	+226	-11.6	-11.8	-12.9	-51.1
500	1.50	+2.2	+4.0	+272	+211	-11.4	-11.3	-13.6	-51.0
600	1.50	+3.7	+4.8	+211	+206	-9.9	-12.6	-14.7	-51.2
700	1.50	+2.4	+4.0	+247	+217	-10.9	-13.1	-14.7	-51.0
800	1.50	+3.3	+2.9	+265	+239	-10.6	-12.9	-15.3	-50.9
900	1.50	+3.7	+2.0	+248	+264	-10.3	-10.8	-11.1	-50.9
1000	1.50	+1.5	+1.2	+284	+309	-6.3	-5.6	-3.8	-50.8
1100	1.50	+3.4	+3.1	+296	+247	-4.7	-3.2	-2.1	-51.1
1200	1.50	+5.1	+3.7	+330	+6	-6.2	-5.1	-4.1	-51.1
1300	1.50	+5.0	+6.0	+328	+328	-5.3	-4.0	-2.9	-50.3
1400	1.50	+1.4	+1.9	+342	+29	-3.8	-3.5	-2.5	-51.1
1500	1.50	+2.3	+3.4	+337	+358	-3.6	-3.2	-2.5	-50.2
1600	1.50	+4.8	+3.7	+56	+35	-5.6	-5.2	-4.8	-51.4
1700	1.50	+1.1	+1.4	+88	+76	-7.4	-7.3	-8.0	-51.3
1800	1.50	+4.2	+2.1	+134	+167	-6.7	-8.2	-9.2	-51.2
1900	1.50	+5.7	+4.7	+214	+208	-6.1	-7.8	-9.9	-51.2
2000	1.50	+6.2	+3.3	+209	+232	-7.6	-9.0	-10.9	-51.2
2100	1.50	+5.8	+4.8	+224	+208	-7.1	-10.2	-11.3	-51.2
2200	1.50	+7.3	+7.1	+216	+213	-7.2	-11.3	-12.3	-51.2
2300	1.50	+5.3	+5.4	+220	+216	-7.2	-11.1	-12.1	-51.2
MAX.		+7.7	+7.1	+342	+358	-3.6	-3.2	-2.1	-50.2
MIN.		+0.9	+0.9	+56	+6	-11.6	-14.0	-15.4	-51.4
AVG.	0.00	+3.9	+3.4	+236	+206	-7.9	-9.1	-9.7	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (347) 13 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+4.9	+0.8	+240	+232	-7.1	-11.5	-12.0	-51.0
100	1.50	+4.2	+1.6	+351	+322	-6.9	-8.5	-11.0	-51.1
200	1.50	+1.8	+2.0	+104	+131	-10.1	-10.0	-11.7	-51.2
300	1.50	+1.8	+1.8	+301	+270	-9.0	-11.1	-11.3	-50.8
400	1.50	+2.6	+1.8	+23	+363	-8.2	-9.0	-12.8	-51.3
500	1.50	+1.8	+3.2	+116	+163	-9.6	-10.6	-11.8	-51.2
600	1.50	+2.5	+2.0	+91	+158	-9.1	-9.2	-11.0	-51.2
700	1.50	+1.7	+0.9	+59	+100	-8.1	-8.9	-10.3	-51.3
800	1.50	+2.5	+1.9	+127	+134	-7.8	-8.3	-9.8	-51.3
900	1.50	+2.8	+2.3	+29	+43	-7.2	-6.6	-5.8	-51.3
1000	1.50	+2.7	+2.5	+27	+361	-5.1	-3.7	-3.4	-51.3
1100	1.50	+5.1	+4.5	+18	+22	-4.5	-3.2	-2.0	-51.3
1200	1.50	+3.7	+2.4	+34	+60	-2.7	-1.7	-0.4	-51.2
1300	1.50	+4.3	+4.8	+36	+32	-2.3	-1.1	+0.1	-51.3
1400	1.50	+3.7	+3.0	+85	+60	-0.1	+0.9	+1.8	-51.3
1500	1.50	+6.0	+4.0	+42	+35	-1.8	-1.1	-0.2	-51.3
1600	1.50	+3.3	+2.9	+9	+9	-3.0	-2.6	-2.3	-51.3
1700	1.50	+3.3	+4.9	+248	+286	-4.7	-6.1	-6.1	-50.9
1800	1.50	+1.4	+2.3	+333	+210	-6.7	-7.3	-8.2	-50.8
1900	1.50	+2.5	+2.3	+91	+114	-6.8	-7.3	-8.5	-51.3
2000	1.50	+1.3	+2.0	+61	+146	-8.1	-7.2	-8.2	-51.3
2100	1.50	+6.4	+5.4	+191	+205	-3.6	-7.4	-8.5	-51.2
2200	1.50	+4.0	+1.8	+117	+127	-3.1	-4.7	-6.1	-51.3
2300	1.50	+2.9	+1.9	+36	+56	-5.4	-6.1	-7.2	-51.3
MAX.		+6.4	+5.4	+351	+363	-0.1	+0.9	+1.8	-50.8
MIN.		+1.3	+0.8	+9	+9	-10.1	-11.5	-12.8	-51.3
AVG.	0.00	+3.2	+2.6	+115	+152	-5.9	-6.3	-6.9	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (348) 14 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+1.7	+2.2	+172	+166	-4.8	-5.6	-6.8	-51.3
100	1.50	+7.0	+6.0	+299	+299	-4.5	-5.8	-7.3	-50.8
200	1.50	+3.7	+2.5	+113	+137	-4.4	-6.0	-8.1	-51.3
300	1.50	+0.9	+0.1	+71	+29	-4.1	-4.1	-5.8	-51.3
400	1.50	+4.4	+1.5	+153	+163	-2.9	-4.3	-5.6	-51.3
500	1.50	+4.8	+1.2	+33	+93	-3.9	-7.2	-7.6	-51.3
600	1.50	+1.7	+1.8	+90	+170	-5.9	-6.6	-7.3	-51.3
700	1.50	+9.2	+4.6	+197	+182	-3.6	-4.7	-6.1	-51.2
800	1.50	+3.7	+2.0	+36	+79	-4.7	-6.3	-6.8	-51.3
900	1.50	+5.2	+1.5	+250	+246	-0.5	-0.3	+0.6	-51.2
1000	1.50	+1.1	+1.3	+33	+315	-1.2	-0.2	+0.9	-51.3
1100	1.50	+0.6	+3.1	+186	+360	+7.1	+6.7	+7.5	-51.3
1200	1.50	+7.7	+7.9	+324	+336	+3.0	+4.2	+5.3	-50.7
1300	1.50	+2.7	+4.3	+315	+311	+4.9	+5.8	+7.1	-51.2
1400	1.50	+6.8	+5.4	+30	+4	+2.9	+4.0	+5.0	-51.4
1500	1.50	+2.9	+2.0	+210	+153	+4.6	+6.3	+6.2	-51.4
1600	1.50	+5.3	+3.4	+205	+169	+6.2	+6.3	+6.2	-51.4
1700	1.50	+15.5	+8.5	+236	+244	+6.4	+5.3	+4.7	-51.3
1800	1.50	+13.4	+8.0	+208	+207	+5.3	+3.3	+2.6	-51.3
1900	1.50	+13.8	+9.2	+196	+203	+3.3	+1.8	+1.3	-51.3
2000	1.50	+15.0	+9.9	+201	+212	+3.6	+1.6	+0.9	-51.3
2100	1.50	+14.2	+9.8	+209	+208	+3.7	+1.8	+1.1	-51.3
2200	1.50	+12.6	+8.8	+199	+191	+2.9	+0.5	-0.5	-51.3
2300	1.50	+16.3	+12.2	+209	+219	+3.7	+1.4	+0.7	-51.3
MAX.		+16.3	+12.2	+324	+360	+7.1	+6.7	+7.5	-50.7
MIN.		+0.6	+0.1	+30	+4	-5.9	-7.2	-8.1	-51.4
AVG.	0.00	+7.1	+4.9	+174	+196	+0.7	-0.1	-0.5	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (349) 15 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+15.5	+9.0	+207	+191	+3.6	+1.1	+0.1	-51.3
100	1.50	+15.2	+10.6	+220	+225	+3.6	+0.5	+0.1	-51.3
200	1.50	+7.5	+4.7	+225	+235	+2.7	+0.9	-0.8	-51.2
300	1.50	+6.0	+3.6	+231	+224	+2.9	+0.8	-0.7	-51.3
400	1.50	+0.8	+3.3	+162	+206	+1.2	+1.6	-0.8	-51.3
500	1.50	+3.5	+4.7	+233	+216	+2.5	+2.6	-0.3	-51.3
600	1.50	+2.7	+4.3	+158	+205	+2.8	-1.0	-2.0	-51.3
700	1.50	+4.4	+4.7	+163	+212	+3.5	-1.1	-2.3	-51.3
800	1.50	+1.3	+3.2	+346	+200	+3.5	+2.5	-0.3	-51.0
900	1.50	+2.0	+4.2	+250	+223	+5.0	+3.2	+3.8	-51.3
1000	1.50	+2.3	+2.7	+45	+9	+6.0	+7.1	+7.7	-51.3
1100	1.50	+4.5	+3.9	+82	+44	+5.7	+6.8	+7.6	-51.3
1200	1.50	+5.7	+5.2	+32	+57	+6.2	+7.3	+8.5	-51.3
1300	1.50	+4.6	+4.4	+261	+265	+9.0	+10.8	+12.0	-51.3
1400	1.50	+5.2	+2.9	+281	+312	+8.4	+9.0	+10.1	-51.2
1500	1.50	+5.8	+3.6	+24	+29	+8.2	+9.1	+9.6	-51.3
1600	1.50	+3.8	+2.2	+75	+59	+5.5	+5.7	+6.0	-51.3
1700	1.50	+3.6	+2.1	+74	+70	+2.6	+1.9	+1.3	-51.4
1800	1.50	+6.3	+1.4	+195	+192	+3.0	+0.5	+0.0	-51.3
1900	1.50	+3.2	+2.3	+320	+259	+0.2	-3.1	-3.3	-50.9
2000	1.50	+3.1	+4.0	+253	+202	-1.2	-2.1	-3.2	-51.2
2100	1.50	+0.7	+4.3	+201	+217	-0.8	-2.9	-4.5	-51.2
2200	1.50	+8.6	+7.5	+206	+211	-0.3	-4.3	-4.6	-51.2
2300	1.50	+7.9	+8.1	+208	+210	+1.0	-3.1	-4.3	-51.2
MAX.		+15.5	+10.6	+346	+312	+9.0	+10.8	+12.0	-50.9
MIN.		+0.7	+1.4	+24	+9	-1.2	-4.3	-4.6	-51.4
AVG.	0.00	+5.2	+4.5	+186	+178	+3.5	+2.2	+1.7	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (350) 16 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+7.9	+5.4	+196	+225	-0.1	-3.3	-4.9	-51.2
100	1.50	+5.5	+6.4	+198	+206	-0.4	-3.4	-4.7	-51.2
200	1.50	+3.0	+1.2	+51	+182	-1.0	-2.2	-4.6	-51.3
300	1.50	+2.0	+2.1	+127	+187	-1.9	-2.7	-3.4	-51.3
400	1.50	+6.8	+4.5	+190	+185	-1.2	-2.2	-4.6	-51.3
500	1.50	+3.3	+1.2	+99	+130	-1.9	-2.9	-3.8	-51.3
600	1.50	+2.6	+3.6	+203	+237	-0.1	-1.7	-3.5	-51.2
700	1.50	+3.6	+3.7	+218	+182	-2.1	-3.7	-4.7	-51.2
800	1.50	+1.4	+2.4	+144	+209	-1.2	-2.1	-3.2	-51.3
900	1.50	+3.2	+0.9	+138	+93	+1.5	+2.0	+2.5	-51.3
1000	1.50	+2.8	+2.7	+6	+13	+2.6	+3.7	+4.5	-51.3
1100	1.50	+3.6	+4.5	+33	+44	+2.8	+3.8	+4.9	-51.3
1200	1.50	+4.0	+3.4	+41	+47	+2.9	+4.1	+5.2	-51.3
1300	1.50	+5.1	+4.0	+11	+23	+4.4	+5.9	+6.9	-51.3
1400	1.50	+2.3	+1.7	+349	+8	+5.4	+6.5	+7.2	-51.3
1500	1.50	+3.8	+4.3	+7	+363	+4.1	+4.8	+5.3	-50.2
1600	1.50	+4.6	+4.1	+345	+350	+2.0	+2.3	+2.4	-50.2
1700	1.50	+0.8	+1.2	+58	+343	-2.0	-2.0	-2.5	-51.2
1800	1.50	+1.7	+0.1	+101	+43	-2.0	-2.9	-3.6	-51.4
1900	1.50	+1.7	+3.4	+216	+224	-2.0	-2.5	-3.5	-51.2
2000	1.50	+1.5	+2.4	+322	+196	+0.3	-1.9	-3.3	-51.1
2100	1.50	+4.2	+1.6	+14	+8	+0.5	-0.1	-4.0	-51.3
2200	1.50	+0.2	+1.3	+351	+204	-1.5	-0.4	-1.1	-50.9
2300	1.50	+5.5	+2.8	+277	+278	-0.5	-2.7	-3.7	-51.1
MAX.		+7.9	+6.4	+351	+363	+5.4	+6.5	+7.2	-50.2
MIN.		+0.2	+0.1	+6	+8	-2.1	-3.7	-4.9	-51.4
AVG.	0.00	+3.4	+2.9	+154	+166	+0.4	-0.2	-0.8	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (351) 17 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+3.5	+0.0	+334	+321	-0.8	-4.4	-4.0	-50.6
100	1.50	+2.7	+1.5	+349	+359	-0.9	-1.5	-3.7	-50.3
200	1.50	+2.4	+1.6	+76	+115	-2.9	-2.7	-4.3	-51.3
300	1.50	+2.7	+2.4	+136	+180	-1.9	-3.1	-4.2	-51.3
400	1.50	+0.2	+0.0	+86	+147	-1.8	-3.9	-5.1	-51.3
500	1.50	+3.5	+2.3	+127	+163	-1.9	-3.3	-4.3	-51.3
600	1.50	+2.0	+5.6	+178	+209	-1.5	-4.5	-6.0	-51.2
700	1.50	+2.7	+4.4	+233	+221	-2.4	-3.5	-5.1	-51.2
800	1.50	+3.2	+3.5	+307	+280	-1.1	-2.4	-3.6	-51.0
900	1.50	+2.0	+1.6	+30	+36	-0.8	-0.4	+0.2	-51.3
1000	1.50	+3.6	+3.1	+82	+116	+1.2	+2.7	+3.6	-51.3
1100	1.50	+3.4	+4.4	+40	+44	+2.0	+2.9	+3.8	-51.3
1200	1.50	+4.2	+4.3	+13	+12	+3.4	+4.3	+5.6	-51.3
1300	1.50	+3.1	+3.8	+3	+361	+4.2	+5.6	+6.1	-50.3
1400	1.50	+5.2	+4.5	+4	+11	+4.3	+5.3	+6.1	-51.4
1500	1.50	+4.1	+3.3	+17	+341	+3.5	+4.3	+4.7	-51.2
1600	1.50	+3.6	+2.5	+46	+49	+1.7	+2.1	+2.4	-51.4
1700	1.50	+1.9	+0.0	+75	+324	-2.0	-3.9	-2.8	-51.2
1800	1.50	+3.3	+1.8	+96	+109	-2.1	-2.7	-3.6	-51.3
1900	1.50	+1.6	+0.7	+106	+136	-2.6	-3.0	-3.4	-51.3
2000	1.50	+4.3	+5.6	+188	+206	-0.5	-4.2	-4.8	-51.2
2100	1.50	+5.3	+4.9	+226	+224	+0.8	-3.3	-4.7	-51.2
2200	1.50	+2.9	+2.6	+288	+282	-0.5	-2.6	-3.8	-51.1
2300	1.50	+0.2	+3.6	+251	+213	-3.3	-1.9	-3.7	-51.2
MAX.		+5.3	+5.6	+349	+361	+4.3	+5.6	+6.1	-50.3
MIN.		+0.2	+0.0	+3	+11	-3.3	-4.5	-6.0	-51.4
AVG.	0.00	+3.0	+2.8	+137	+186	-0.2	-1.0	-1.4	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (352) 18 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+2.1	+3.9	+176	+213	-1.4	-3.6	-5.2	-51.2
100	1.50	+8.0	+7.0	+234	+212	+0.4	-3.1	-5.7	-51.2
200	1.50	+5.0	+4.3	+150	+207	-0.8	-2.8	-4.6	-51.3
300	1.50	+2.1	+2.3	+89	+168	-3.6	-3.8	-4.3	-51.3
400	1.50	+0.2	+2.1	+171	+197	-2.9	-2.6	-4.6	-51.3
500	1.50	+1.5	+0.9	+51	+91	-3.2	-5.9	-6.7	-51.3
600	1.50	+3.8	+2.9	+109	+151	-2.0	-2.7	-4.7	-51.3
700	1.50	+6.4	+3.9	+186	+209	-1.2	-1.2	-2.2	-51.3
800	1.50	+2.5	+2.6	+118	+149	-2.5	-2.9	-4.0	-51.3
900	1.50	+3.6	+3.1	+166	+158	+0.2	+0.9	+1.6	-51.3
1000	1.50	+0.6	+0.1	+105	+26	+5.4	+6.2	+7.5	-51.3
1100	1.50	+6.5	+6.5	+71	+74	+1.7	+3.7	+4.5	-51.3
1200	1.50	+6.5	+6.3	+327	+336	+1.7	+2.6	+3.8	-50.6
1300	1.50	+4.3	+3.3	+4	+11	+2.5	+3.7	+4.8	-51.3
1400	1.50	+6.0	+4.6	+70	+64	+2.8	+4.2	+5.1	-51.4
1500	1.50	+3.2	+2.7	+71	+67	+4.0	+4.6	+5.3	-51.4
1600	1.50	+10.7	+9.7	+180	+156	+5.7	+5.9	+5.9	-51.4
1700	1.50	+12.7	+4.7	+172	+184	+2.9	+2.2	+1.8	-51.3
1800	1.50	+14.5	+8.1	+194	+187	+1.6	+0.7	+0.4	-51.3
1900	1.50	+11.9	+6.0	+193	+210	+1.2	+0.5	+0.0	-51.3
2000	1.50	+8.3	+4.1	+182	+197	+0.8	+0.2	-0.2	-51.3
2100	1.50	+12.8	+9.0	+209	+225	+1.4	+0.4	-0.1	-51.3
2200	1.50	+9.5	+7.5	+198	+226	+0.8	+0.4	-0.1	-51.3
2300	1.50	+1.5	+0.0	+83	+123	+0.5	+0.0	-0.2	-51.3
MAX.		+14.5	+9.7	+327	+336	+5.7	+6.2	+7.5	-50.6
MIN.		+0.2	+0.0	+4	+11	-3.6	-5.9	-6.7	-51.4
AVG.	0.00	+6.0	+4.4	+146	+160	+0.7	+0.3	-0.1	-51.3
(DAY TOTAL)		MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (353) 19 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+16.9	+11.2	+180	+185	+1.9	+1.0	+0.7	-51.3
100	1.50	+6.8	+2.6	+202	+212	+1.1	+0.2	-0.2	-51.3
200	1.50	+14.6	+10.8	+191	+178	+1.0	+0.2	-0.2	-51.3
300	1.50	+15.7	+13.4	+185	+190	+1.0	+0.1	-0.1	-51.3
400	1.50	+13.9	+8.8	+185	+190	+1.2	+0.8	+0.6	-51.3
500	1.50	+7.5	+2.0	+128	+111	+0.4	-0.5	-1.8	-51.3
600	1.50	+9.7	+7.7	+172	+188	+1.3	+0.9	+0.6	-51.3
700	1.50	+4.2	+3.0	+108	+53	+0.1	-0.1	+0.0	-51.3
800	1.50	+7.9	+5.0	+192	+185	+1.0	+0.5	+0.3	-51.3
900	1.50	+10.0	+6.7	+169	+177	+2.4	+2.6	+2.9	-51.3
1000	1.50	+14.8	+10.7	+174	+172	+3.0	+3.4	+3.7	-51.4
1100	1.50	+12.6	+11.8	+170	+169	+4.0	+4.6	+4.9	-51.3
1200	1.50	+15.5	+14.3	+178	+175	+3.5	+4.0	+4.3	-51.3
1300	1.50	+11.1	+9.3	+183	+187	+4.2	+5.0	+5.7	-51.3
1400	1.50	+12.9	+10.5	+179	+161	+5.6	+6.7	+7.5	-51.4
1500	1.50	+3.3	+2.0	+151	+17	+5.4	+5.1	+5.4	-51.4
1600	1.50	+1.3	+2.0	+178	+216	+2.7	+2.6	+2.7	-51.3
1700	1.50	+10.5	+5.3	+170	+166	+1.7	+1.1	+0.4	-51.3
1800	1.50	+13.1	+10.3	+185	+185	+0.2	-0.3	-0.7	-51.3
1900	1.50	+12.1	+6.2	+170	+181	+0.2	-0.4	-0.7	-51.3
2000	1.50	+14.0	+9.0	+186	+199	+0.1	-0.3	-0.6	-51.3
2100	1.50	+18.5	+10.9	+183	+183	+0.2	-0.3	-0.5	-51.3
2200	1.50	+15.3	+9.9	+191	+193	+0.4	+0.1	+0.0	-51.3
2300	1.50	+17.0	+10.8	+186	+190	+0.6	+0.4	+0.4	-51.3
MAX.		+18.5	+14.3	+202	+216	+5.6	+6.7	+7.5	-51.3
MIN.		+1.3	+2.0	+108	+17	+0.1	-0.5	-1.8	-51.4
AVG.	0.00	+11.6	+8.1	+175	+169	+1.8	+1.6	+1.5	-51.3
(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C	

DATE: (354) 20 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.50	+19.5	+10.9	+181	+181	+0.3	-0.2	-0.4	-51.3
100	1.50	+19.2	+13.1	+169	+171	+0.7	+0.2	+0.1	-51.3
200	1.50	+14.4	+9.1	+164	+173	+0.4	+0.0	-0.2	-51.3
300	1.50	+10.9	+8.2	+181	+186	+0.0	-0.8	-1.1	-51.3
400	1.50	+7.6	+4.9	+188	+197	-0.7	-1.0	-2.2	-51.3
500	1.50	+8.0	+5.4	+174	+188	+0.0	-1.4	-2.1	-51.3
600	1.50	+3.7	+1.7	+246	+210	-1.4	-1.4	-2.1	-51.2
700	1.50	+2.1	+1.9	+200	+178	-1.7	-2.3	-2.7	-51.3
800	1.50	+2.9	+0.4	+117	+192	-1.5	-2.1	-3.3	-51.3
900	1.50	+2.7	+2.0	+82	+49	+0.7	+1.2	+1.8	-51.4
1000	1.50	+4.5	+3.3	+148	+158	+2.1	+2.9	+3.2	-51.3
1100	1.50	+5.9	+5.0	+158	+144	+1.0	+1.5	+1.9	-51.3
1200	1.50	+11.8	+12.4	+151	+155	+2.6	+3.4	+4.0	-51.3
1300	1.50	+7.4	+3.3	+283	+314	-0.3	+0.4	+1.1	-50.8
1400	1.50	+5.3	+3.5	+271	+296	-0.9	-0.6	-0.2	-51.0
1500	1.50	+1.1	+0.0	+219	+343	-2.0	-2.1	-1.7	-51.0
1600	1.51	+1.9	+0.6	+92	+62	-1.5	-1.8	-1.5	-51.3
1700	1.51	+0.4	+0.1	+354	+17	-3.2	-3.3	-3.1	-51.0
1800	1.51	+2.4	+3.1	+275	+295	-4.1	-4.6	-4.3	-51.0
1900	1.51	+4.5	+2.0	+297	+295	-5.2	-5.4	-5.4	-50.8
2000	1.51	+5.6	+3.8	+255	+248	-4.8	-4.8	-4.6	-51.2
2100	1.51	+7.1	+4.7	+234	+233	-4.8	-4.7	-4.5	-51.2
2200	1.51	+7.9	+5.5	+231	+233	-4.6	-4.5	-4.3	-51.2
2300	1.51	+6.0	+2.9	+216	+205	-4.0	-4.1	-3.8	-51.2
MAX.		+19.5	+13.1	+354	+343	+2.6	+3.4	+4.0	-50.8
MIN.		+0.4	+0.0	+82	+17	-3.2	-5.4	-5.4	-51.4
AVG.	0.01	+6.8	+4.5	+204	+197	-1.4	-1.5	-1.5	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (355) 21 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.51	+4.8	+3.6	+220	+255	-3.0	-3.7	-3.5	-51.2
100	1.51	+4.8	+3.5	+222	+226	-2.7	-3.1	-3.1	-51.2
200	1.51	+6.8	+3.5	+222	+228	-2.5	-3.0	-3.0	-51.2
300	1.51	+10.5	+6.6	+211	+227	-2.6	-2.6	-2.5	-51.3
400	1.51	+10.9	+6.5	+213	+203	-2.6	-2.6	-2.4	-51.2
500	1.51	+5.9	+2.1	+238	+242	-2.8	-2.8	-2.7	-51.2
600	1.51	+5.0	+3.5	+226	+238	-2.9	-2.9	-2.7	-51.2
700	1.53	+9.0	+6.2	+242	+228	-3.4	-3.3	-3.1	-51.2
800	1.54	+8.2	+6.9	+241	+242	-3.4	-3.3	-3.1	-51.2
900	1.56	+6.2	+4.3	+285	+317	-3.3	-3.1	-2.7	-51.1
1000	1.58	+15.4	+9.5	+272	+278	-2.4	-2.1	-1.2	-51.1
1100	1.62	+9.9	+3.8	+253	+252	-1.3	-0.8	+0.4	-51.2
1200	1.66	+6.6	+5.3	+230	+226	-1.1	-0.5	+0.5	-51.2
1300	1.72	+10.8	+7.9	+276	+287	-1.9	-1.5	-0.7	-50.9
1400	1.76	+2.8	+1.2	+317	+38	-1.7	-1.1	-0.3	-51.2
1500	1.83	+3.4	+3.8	+120	+110	-1.2	-0.5	+0.1	-51.3
1600	1.84	+5.3	+3.4	+77	+49	-1.8	-1.4	-0.5	-51.3
1700	1.84	+6.6	+3.5	+129	+138	-3.7	-3.8	-3.9	-51.3
1800	1.84	+8.2	+2.7	+137	+157	-3.4	-4.9	-5.7	-51.3
1900	1.84	+6.6	+4.6	+191	+204	-3.6	-4.8	-5.2	-51.2
2000	1.84	+5.2	+3.5	+219	+214	-3.3	-5.3	-5.7	-51.2
2100	1.84	+5.2	+3.6	+279	+247	-3.5	-4.5	-5.4	-51.1
2200	1.84	+6.9	+6.3	+227	+224	-4.0	-5.4	-5.7	-51.2
2300	1.84	+2.2	+2.5	+312	+245	-3.9	-5.4	-6.1	-50.9
MAX.		+15.4	+9.5	+317	+317	-1.1	-0.5	+0.5	-50.9
MIN.		+2.2	+1.2	+77	+38	-4.0	-5.4	-6.1	-51.3
AVG.	0.33	+7.0	+4.5	+223	+211	-2.8	-3.0	-2.8	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (356) 22 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.84	+4.1	+4.6	+217	+211	-4.6	-6.4	-6.8	-51.2
100	1.84	+7.2	+6.2	+235	+220	-4.8	-7.1	-7.3	-51.2
200	1.84	+5.5	+5.3	+221	+202	-4.7	-6.5	-6.9	-51.2
300	1.84	+4.9	+5.9	+225	+204	-5.2	-7.7	-8.1	-51.2
400	1.84	+7.0	+5.5	+272	+226	-5.5	-7.4	-8.1	-51.1
500	1.84	+4.3	+4.6	+203	+215	-5.1	-7.3	-7.7	-51.2
600	1.84	+7.3	+5.4	+191	+207	-6.4	-8.1	-8.2	-51.2
700	1.84	+4.4	+3.7	+234	+231	-5.9	-8.6	-9.2	-51.2
800	1.84	+5.7	+4.3	+277	+220	-5.8	-7.5	-9.0	-51.2
900	1.84	+7.0	+4.6	+261	+225	-4.6	-6.2	-4.9	-51.2
1000	1.84	+5.3	+4.0	+261	+233	-2.9	-2.0	-0.4	-51.2
1100	1.84	+6.7	+6.3	+263	+277	-2.0	-1.6	-0.4	-51.1
1200	1.84	+2.8	+2.1	+148	+153	-0.3	+1.2	+2.4	-51.3
1300	1.84	+5.4	+4.4	+124	+107	+0.3	+2.6	+3.8	-51.4
1400	1.84	+11.0	+9.0	+296	+299	-3.1	-2.2	-0.8	-50.7
1500	1.84	+8.1	+7.3	+306	+322	-4.1	-3.3	-2.0	-50.6
1600	1.84	+4.4	+3.3	+42	+41	-4.8	-4.4	-3.7	-51.4
1700	1.84	+1.7	+1.1	+73	+42	-7.5	-7.2	-8.6	-51.3
1800	1.84	+2.2	+2.7	+128	+192	-5.9	-7.0	-8.3	-51.3
1900	1.84	+3.3	+3.9	+187	+209	-5.7	-7.1	-8.4	-51.2
2000	1.84	+13.2	+9.2	+172	+209	-5.1	-8.9	-9.4	-51.2
2100	1.84	+9.8	+8.2	+203	+210	-6.1	-7.2	-8.3	-51.2
2200	1.84	+10.6	+5.5	+207	+195	-7.8	-9.9	-10.7	-51.2
2300	1.84	+12.4	+7.1	+197	+214	-7.9	-8.5	-8.9	-51.2
MAX.		+13.2	+9.2	+306	+322	+0.3	+2.6	+3.8	-50.6
MIN.		+1.7	+1.1	+42	+41	-7.9	-9.9	-10.7	-51.4
AVG.	0.00	+6.4	+5.2	+206	+203	-4.8	-5.8	-5.8	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (357) 23 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.84	+20.1	+11.1	+169	+170	-5.7	-7.3	-7.8	-51.2
100	1.84	+10.8	+7.8	+169	+189	-6.8	-7.7	-8.1	-51.2
200	1.84	+13.0	+4.7	+163	+172	-6.7	-8.1	-8.5	-51.2
300	1.84	+14.4	+9.6	+168	+178	-6.2	-8.3	-9.2	-51.2
400	1.84	+12.2	+5.5	+203	+218	-7.0	-9.0	-9.2	-51.2
500	1.84	+10.8	+6.8	+188	+185	-6.4	-7.2	-7.4	-51.2
600	1.84	+8.8	+4.4	+154	+161	-5.4	-6.0	-6.3	-51.3
700	1.84	+9.8	+3.9	+177	+160	-5.3	-5.5	-5.4	-51.2
800	1.84	+13.0	+7.2	+174	+148	-4.6	-4.6	-4.7	-51.2
900	1.84	+9.3	+4.6	+204	+194	-4.0	-3.7	-3.5	-51.2
1000	1.84	+9.4	+10.0	+202	+188	-2.7	-2.3	-1.7	-51.3
1100	1.84	+20.2	+19.7	+182	+180	-1.4	-0.4	+0.5	-51.3
1200	1.84	+13.6	+12.9	+174	+166	-0.7	+0.0	+0.7	-51.3
1300	1.84	+16.8	+16.5	+157	+146	-0.1	+0.7	+1.9	-51.3
1400	1.84	+8.7	+8.5	+170	+141	+0.9	+2.0	+3.2	-51.3
1500	1.84	+15.0	+10.3	+191	+190	-0.6	-0.2	+0.3	-51.2
1600	1.84	+16.7	+10.1	+178	+184	-1.7	-1.7	-1.6	-51.2
1700	1.84	+4.8	+2.0	+166	+163	-2.9	-3.1	-3.2	-51.3
1800	1.84	+7.2	+3.4	+183	+196	-3.1	-3.2	-3.3	-51.2
1900	1.84	+13.6	+7.9	+164	+178	-3.0	-3.1	-3.3	-51.3
2000	1.84	+12.8	+7.2	+188	+203	-3.0	-3.6	-3.9	-51.2
2100	1.84	+8.8	+7.0	+179	+166	-2.6	-2.9	-3.2	-51.3
2200	1.84	+7.1	+3.8	+197	+182	-2.3	-2.6	-2.8	-51.2
2300	1.84	+6.7	+6.3	+136	+140	-2.2	-2.8	-3.6	-51.3
MAX.		+20.2	+19.7	+204	+218	+0.9	+2.0	+3.2	-51.2
MIN.		+4.8	+2.0	+136	+140	-7.0	-9.0	-9.2	-51.3
AVG.	0.00	+11.8	+8.0	+177	+175	-3.5	-3.8	-3.8	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (358) 24 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.84	+12.4	+7.6	+185	+199	-2.5	-3.1	-3.3	-51.3
100	1.84	+21.6	+15.0	+192	+207	-2.2	-2.3	-2.5	-51.2
200	1.84	+18.3	+12.8	+169	+182	-2.6	-2.9	-3.2	-51.3
300	1.84	+24.3	+21.5	+168	+172	-2.5	-3.0	-3.3	-51.3
400	1.84	+10.6	+7.0	+210	+203	-2.4	-3.3	-3.5	-51.2
500	1.84	+4.3	+2.4	+245	+179	-2.6	-5.0	-6.2	-51.2
600	1.84	+9.8	+4.7	+197	+222	-2.5	-4.3	-5.8	-51.2
700	1.84	+15.6	+5.7	+194	+189	-1.5	-2.2	-2.5	-51.3
800	1.84	+11.4	+8.8	+246	+267	-2.3	-3.8	-5.0	-51.2
900	1.84	+1.9	+1.1	+21	+87	-2.8	-3.0	-2.6	-51.3
1000	1.84	+14.2	+10.0	+189	+180	+2.5	+3.5	+4.4	-51.3
1100	1.84	+14.6	+13.9	+172	+171	+4.0	+4.9	+5.8	-51.3
1200	1.84	+5.9	+3.7	+25	+17	+0.7	+1.7	+2.9	-51.3
1300	1.84	+6.2	+5.6	+32	+27	-0.3	+1.1	+3.2	-51.3
1400	1.84	+5.2	+5.3	+42	+3	+0.5	+1.6	+2.7	-51.3
1500	1.84	+7.3	+7.9	+34	+43	-0.8	-0.3	+0.7	-51.4
1600	1.84	+3.4	+3.1	+64	+41	-1.1	-0.9	-0.5	-51.4
1700	1.84	+1.0	+0.1	+355	+19	-2.3	-3.3	-6.0	-51.0
1800	1.84	+1.1	+2.0	+139	+172	-3.6	-4.5	-5.1	-51.3
1900	1.84	+2.4	+1.8	+70	+130	-4.3	-4.9	-5.1	-51.3
2000	1.84	+8.5	+7.7	+208	+208	-0.8	-2.9	-4.6	-51.2
2100	1.84	+5.5	+3.8	+278	+258	-2.0	-2.3	-3.6	-51.2
2200	1.84	+4.0	+4.2	+221	+218	-3.2	-5.1	-7.4	-51.2
2300	1.84	+7.9	+5.7	+191	+198	-1.8	-6.1	-6.9	-51.2
MAX.		+24.3	+21.5	+355	+267	+4.0	+4.9	+5.8	-51.0
MIN.		+1.0	+0.1	+21	+3	-4.3	-6.1	-7.4	-51.4
AVG.	0.00	+9.1	+6.7	+160	+150	-1.5	-2.1	-2.4	-51.3
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (359) 25 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.84	+1.6	+4.1	+224	+315	-2.6	-6.0	-7.1	-51.1
100	1.84	+0.2	+0.0	+180	+161	-5.2	-6.9	-7.5	-51.2
200	1.84	+1.6	+2.2	+96	+165	-6.4	-6.7	-7.2	-51.3
300	1.84	+3.8	+2.0	+244	+217	-6.1	-6.7	-8.5	-51.2
400	1.84	+3.8	+4.2	+269	+232	-5.8	-8.5	-9.8	-51.0
500	1.84	+7.7	+3.4	+264	+226	-6.3	-8.6	-9.7	-51.1
600	1.84	+6.4	+4.7	+247	+202	-7.4	-9.5	-10.0	-51.1
700	1.84	+6.9	+3.9	+273	+235	-6.6	-7.8	-8.0	-51.0
800	1.84	+7.5	+3.4	+265	+240	-7.0	-7.7	-7.5	-51.0
900	1.84	+4.9	+3.1	+225	+251	-6.8	-6.5	-6.0	-51.1
1000	1.84	+4.1	+3.4	+259	+292	-4.7	-4.1	-3.5	-51.0
1100	1.84	+7.4	+7.2	+316	+300	-5.2	-4.3	-2.9	-50.6
1200	1.84	+8.8	+7.7	+307	+298	-5.7	-5.0	-4.2	-50.6
1300	1.84	+4.3	+4.0	+290	+287	-3.9	-2.5	-1.5	-51.0
1400	1.84	+6.3	+7.3	+321	+339	-4.1	-3.3	-2.8	-50.3
1500	1.84	+6.2	+4.5	+306	+300	-5.1	-4.5	-4.1	-50.7
1600	1.84	+3.4	+2.6	+307	+302	-5.3	-4.8	-4.6	-50.7
1700	1.84	+3.3	+3.2	+284	+281	-5.9	-5.9	-5.9	-50.8
1800	1.84	+8.5	+4.7	+315	+310	-5.5	-6.0	-6.1	-50.6
1900	1.84	+6.2	+1.6	+18	+354	-5.4	-6.3	-6.6	-51.2
2000	1.84	+10.5	+6.0	+341	+336	-4.8	-5.7	-5.9	-50.3
2100	1.84	+8.3	+5.8	+306	+309	-6.1	-6.7	-7.5	-50.7
2200	1.84	+4.0	+3.6	+328	+280	-5.7	-7.3	-8.5	-50.6
2300	1.84	+6.0	+4.7	+352	+323	-5.5	-6.2	-7.7	-50.4
MAX.		+10.5	+7.7	+352	+354	-2.6	-2.5	-1.5	-50.3
MTN.		+0.2	+0.0	+18	+161	-7.4	-9.5	-10.0	-51.3
AVG.	0.00	+5.5	+4.1	+264	+273	-5.5	-6.1	-6.4	-50.9
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (360) 26 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.84	+5.4	+3.1	+5	+331	-5.8	-6.3	-7.8	-51.2
100	1.84	+6.5	+3.8	+342	+330	-5.5	-6.1	-6.5	-50.5
200	1.84	+8.5	+5.6	+320	+309	-5.8	-6.6	-6.7	-50.6
300	1.84	+6.3	+4.1	+296	+288	-7.4	-8.1	-8.6	-50.8
400	1.84	+2.5	+2.3	+316	+250	-6.8	-8.3	-8.8	-50.7
500	1.84	+8.2	+6.0	+286	+289	-7.9	-9.2	-10.0	-50.8
600	1.84	+5.3	+2.5	+237	+212	-8.5	-9.1	-9.3	-51.1
700	1.84	+5.7	+4.6	+320	+316	-8.4	-8.6	-8.8	-50.5
800	1.84	+3.3	+2.4	+324	+317	-8.4	-8.6	-8.5	-50.6
900	1.84	+4.3	+2.2	+272	+283	-8.0	-7.9	-7.7	-50.9
1000	1.84	+5.2	+4.7	+271	+283	-6.9	-6.8	-6.6	-50.9
1100	1.85	+6.3	+4.4	+286	+326	-5.5	-4.6	-3.8	-50.9
1200	1.85	+7.5	+4.5	+284	+299	-5.4	-4.8	-3.8	-50.8
1300	1.85	+6.9	+4.9	+313	+305	-5.3	-4.2	-3.6	-50.7
1400	1.85	+5.2	+3.8	+314	+320	-5.4	-4.8	-4.1	-50.5
1500	1.85	+7.4	+6.3	+339	+347	-5.0	-4.5	-4.2	-50.3
1600	1.85	+5.7	+5.0	+322	+322	-5.6	-5.3	-5.0	-50.4
1700	1.85	+1.5	+1.0	+345	+25	-6.4	-6.3	-6.1	-51.0
1800	1.85	+6.2	+4.0	+286	+300	-6.7	-6.9	-6.7	-50.8
1900	1.85	+3.9	+1.9	+266	+243	-7.1	-7.2	-7.1	-51.0
2000	1.85	+6.7	+3.7	+260	+290	-7.2	-7.3	-7.2	-51.0
2100	1.85	+4.5	+1.6	+274	+243	-7.5	-7.8	-7.6	-51.0
2200	1.85	+3.7	+3.4	+295	+270	-7.4	-7.8	-8.2	-50.8
2300	1.85	+4.3	+3.4	+252	+225	-7.8	-8.5	-8.5	-51.1
MAX.		+8.5	+6.3	+345	+347	-5.0	-4.2	-3.6	-50.3
MIN.		+1.5	+1.0	+5	+25	-8.5	-9.2	-10.0	-51.2
AVG.	0.01	+5.5	+3.7	+284	+280	-6.7	-6.9	-6.9	-50.8
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (361) 27 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.85	+5.3	+2.9	+250	+218	-8.2	-9.1	-9.2	-51.1
100	1.85	+5.3	+2.9	+238	+222	-8.1	-8.9	-8.9	-51.2
200	1.85	+3.9	+2.8	+288	+259	-7.7	-8.2	-8.1	-50.9
300	1.85	+5.2	+2.8	+295	+294	-7.9	-7.9	-7.8	-50.8
400	1.85	+2.4	+0.7	+11	+5	-7.7	-7.6	-7.6	-51.3
500	1.85	+3.2	+1.5	+117	+116	-7.8	-7.7	-7.7	-51.3
600	1.85	+2.0	+1.8	+155	+169	-7.6	-7.6	-7.5	-51.2
700	1.85	+0.5	+0.0	+74	+257	-7.7	-7.6	-7.5	-51.2
800	1.85	+2.6	+1.4	+113	+147	-7.2	-7.2	-7.2	-51.3
900	1.85	+4.8	+3.8	+48	+73	-5.8	-5.6	-5.2	-51.3
1000	1.85	+5.8	+2.2	+83	+88	-3.9	-3.3	-2.7	-51.3
1100	1.85	+5.9	+4.6	+38	+17	-4.4	-3.7	-2.7	-51.3
1200	1.85	+5.1	+5.9	+31	+22	-3.7	-3.0	-2.4	-51.3
1300	1.85	+3.6	+3.5	+37	+37	-4.4	-3.6	-2.8	-51.4
1400	1.85	+2.6	+2.9	+5	+55	-4.1	-3.8	-2.8	-51.3
1500	1.85	+5.1	+3.6	+346	+338	-4.1	-3.7	-3.3	-50.2
1600	1.85	+0.4	+0.7	+216	+184	-4.0	-3.2	-2.7	-51.2
1700	1.85	+5.8	+3.6	+93	+101	-5.9	-6.2	-6.6	-51.3
1800	1.85	+6.3	+2.3	+124	+149	-6.3	-7.5	-8.2	-51.3
1900	1.85	+4.0	+2.9	+140	+185	-6.0	-8.1	-8.8	-51.2
2000	1.85	+5.2	+7.0	+198	+217	-6.1	-9.6	-10.2	-51.2
2100	1.85	+6.8	+6.4	+194	+220	-5.7	-9.9	-10.6	-51.2
2200	1.85	+8.1	+7.8	+194	+200	-5.6	-10.2	-10.7	-51.2
2300	1.85	+11.0	+7.2	+176	+201	-7.7	-10.0	-10.6	-51.2
MAX.		+11.0	+7.8	+346	+338	-3.7	-3.0	-2.4	-50.2
MIN.		+0.4	+0.0	+5	+5	-8.2	-10.2	-10.7	-51.4
AVG.	0.00	+4.6	+3.4	+144	+157	-6.2	-6.8	-6.7	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (362) 28 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.85	+13.1	+9.7	+174	+199	-7.9	-9.3	-9.7	-51.1
100	1.85	+13.5	+9.3	+177	+179	-8.5	-9.2	-9.6	-51.2
200	1.85	+11.0	+7.6	+190	+196	-8.1	-8.8	-9.2	-51.2
300	1.85	+14.1	+7.1	+170	+199	-8.2	-9.0	-9.2	-51.2
400	1.85	+10.3	+8.1	+188	+206	-8.7	-8.9	-9.2	-51.2
500	1.85	+9.0	+2.0	+194	+214	-8.7	-10.3	-11.1	-51.2
600	1.85	+5.0	+1.9	+166	+129	-9.0	-9.7	-11.1	-51.2
700	1.85	+2.3	+2.4	+70	+24	-9.5	-9.8	-10.4	-51.3
800	1.85	+0.1	+0.6	+64	+70	-10.0	-10.7	-11.5	-51.3
900	1.85	+4.3	+0.3	+192	+232	-7.9	-8.8	-8.6	-51.2
1000	1.85	+10.7	+2.2	+154	+132	-5.8	-5.2	-4.7	-51.3
1100	1.85	+7.7	+6.6	+192	+197	-4.1	-3.3	-2.2	-51.2
1200	1.85	+7.4	+6.3	+209	+198	-3.9	-2.7	-1.6	-51.1
1300	1.85	+4.9	+3.3	+13	+56	-4.7	-3.7	-2.1	-51.3
1400	1.85	+6.4	+3.9	+41	+29	-5.4	-4.3	-3.2	-51.3
1500	1.85	+6.9	+6.8	+38	+48	-5.9	-5.3	-4.4	-51.3
1600	1.85	+2.1	+2.6	+320	+321	-7.6	-7.1	-7.0	-50.6
1700	1.85	+1.2	+1.4	+295	+307	-8.0	-8.0	-7.9	-50.7
1800	1.85	+2.0	+0.9	+61	+35	-8.3	-8.4	-8.3	-51.3
1900	1.85	+6.0	+4.4	+172	+161	-8.0	-7.8	-7.6	-51.2
2000	1.85	+7.7	+5.4	+180	+181	-8.1	-7.8	-7.6	-51.2
2100	1.85	+5.8	+3.7	+218	+217	-8.5	-8.7	-8.9	-51.1
2200	1.85	+5.6	+4.2	+203	+197	-9.1	-9.7	-9.9	-51.2
2300	1.85	+4.0	+0.9	+169	+166	-9.7	-10.5	-10.7	-51.2
MAX.		+14.1	+9.7	+320	+321	-3.9	-2.7	-1.6	-50.6
MIN.		+0.1	+0.3	+13	+24	-10.0	-10.7	-11.5	-51.3
AVG.	0.00	+6.7	+4.2	+160	+162	-7.7	-7.8	-7.7	-51.2
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (363) 29 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.85	+5.9	+1.7	+161	+165	-9.2	-10.0	-10.2	-51.1
100	1.85	+4.3	+2.2	+224	+221	-9.2	-9.4	-9.3	-51.1
200	1.85	+2.4	+1.2	+247	+274	-9.9	-11.0	-11.4	-51.0
300	1.85	+1.6	+1.8	+211	+174	-9.9	-10.0	-10.9	-51.2
400	1.85	+2.1	+1.8	+87	+109	-10.4	-10.8	-12.0	-51.3
500	1.85	+1.3	+1.4	+134	+171	-10.4	-10.5	-10.7	-51.2
600	1.85	+1.4	+0.0	+237	+155	-10.0	-10.0	-10.0	-51.2
700	1.85	+3.7	+1.2	+162	+121	-10.1	-10.0	-9.9	-51.2
800	1.85	+1.1	+1.5	+93	+48	-10.0	-10.1	-10.0	-51.3
900	1.85	+3.3	+2.8	+255	+262	-9.5	-9.1	-8.8	-51.0
1000	1.85	+4.4	+1.8	+227	+193	-8.7	-7.7	-7.5	-51.2
1100	1.85	+1.2	+0.9	+18	+33	-8.1	-7.8	-7.2	-51.3
1200	1.85	+1.9	+1.7	+96	+79	-5.9	-4.9	-4.6	-51.3
1300	1.85	+3.3	+5.4	+335	+31	-5.7	-4.8	-4.4	-50.9
1400	1.85	+2.7	+3.0	+354	+21	-4.4	-3.6	-2.7	-51.4
1500	1.85	+4.0	+4.2	+314	+327	-5.1	-4.3	-3.6	-50.6
1600	1.85	+3.7	+3.6	+346	+18	-6.4	-6.1	-5.7	-51.0
1700	1.85	+7.8	+3.8	+67	+61	-8.4	-8.6	-8.9	-51.3
1800	1.85	+8.3	+6.7	+320	+324	-9.4	-10.3	-11.2	-50.5
1900	1.85	+1.8	+1.5	+76	+100	-11.5	-12.0	-12.8	-51.3
2000	1.85	+4.9	+3.1	+111	+144	-10.5	-11.5	-12.5	-51.2
2100	1.85	+0.8	+1.5	+24	+215	-10.5	-11.2	-12.0	-51.2
2200	1.85	+3.7	+3.1	+86	+114	-10.8	-11.2	-11.9	-51.3
2300	1.85	+2.5	+2.1	+152	+159	-11.4	-11.6	-11.8	-51.2
MAX.		+8.3	+6.7	+354	+327	-4.4	-3.6	-2.7	-50.5
MIN.		+0.8	+0.0	+18	+18	-11.5	-12.0	-12.8	-51.4
AVG.	0.00	+3.3	+2.4	+181	+147	-9.0	-9.0	-9.2	-51.1
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (364) 30 DEC. '79

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #1

TIME	PRECIP	WS 100'	WS 33'	WD 100'	WD 33'	AT 100'	AT 33'	AT 10'	SOIL T
0	1.85	+1.8	+1.8	+138	+178	-10.9	-11.1	-12.4	-51.2
100	1.85	+3.4	+5.5	+203	+201	-10.2	-12.9	-14.3	-51.2
200	1.85	+1.5	+2.9	+292	+212	-11.0	-11.5	-13.0	-51.0
300	1.85	+5.3	+4.6	+306	+277	-11.0	-13.3	-13.6	-50.9
400	1.85	+3.2	+0.0	+39	+76	-11.1	-11.4	-11.7	-51.3
500	1.85	+0.2	+0.2	+172	+172	-11.7	-11.6	-11.6	-51.2
600	1.85	+1.2	+0.8	+135	+148	-14.8	-15.0	-15.1	-51.2
700	1.85	+5.0	+1.2	+241	+213	-12.7	-13.9	-14.1	-51.1
800	1.85	+2.1	+1.7	+225	+191	-13.7	-14.5	-14.5	-51.2
900	1.85	+1.8	+0.9	+254	+290	-11.5	-11.0	-10.7	-51.0
1000	1.85	+0.4	+0.5	+303	+258	-6.7	-5.8	-5.0	-51.2
1100	1.85	+2.2	+1.8	+13	+33	-7.6	-6.7	-5.7	-50.4
1200	1.85	+2.8	+3.4	+309	+315	-6.8	-6.4	-5.5	-50.7
1300	1.85	+0.9	+2.1	+224	+300	-5.4	-3.2	-2.7	-51.1
1400	1.85	+5.4	+6.3	+308	+320	-4.3	-4.3	-3.2	-50.6
1500	1.85	+2.9	+2.8	+309	+344	-4.0	-3.2	-2.5	-50.5
1600	1.85	+4.6	+4.2	+45	+61	-6.7	-6.0	-5.4	-51.3
1700	1.85	+2.9	+2.1	+56	+72	-8.2	-8.6	-8.6	-51.3
1800	1.85	+6.0	+3.9	+294	+306	-8.9	-9.3	-10.5	-50.7
1900	1.85	+2.2	+2.5	+246	+213	-9.8	-10.2	-10.3	-51.0
2000	1.85	+2.2	+0.7	+92	+105	-9.9	-10.1	-10.1	-51.3
2100	1.85	+3.2	+3.9	+242	+242	-9.6	-9.6	-9.4	-51.1
2200	1.85	+2.5	+1.3	+71	+89	-9.5	-9.4	-9.4	-51.3
2300	1.85	+1.3	+1.5	+234	+243	-9.0	-8.9	-8.7	-51.1
MAX.		+6.0	+6.3	+309	+344	-4.0	-3.2	-2.5	-50.4
MIN.		+0.2	+0.0	+13	+33	-14.8	-15.0	-15.1	-51.3
AVG.	0.00	+2.7	+2.4	+198	+202	-9.4	-9.5	-9.5	-51.0
	(DAY TOTAL)	MPH	MPH	DEG.	DEG.	°C	°C	°C	°C

DATE: (365) 31 DEC. '79

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 335		DAY 336		TIME	DAY 337		DAY 338	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.4	2.6	3.2	5.5	0	1.2	1.5	3.1	3.9
-1.7	4.9	2.1	3.2	100	0.5	0.7	2.4	3.6
1.0	3.6	-0.7	0.6	200	0.3	0.5	1.0	2.3
1.1	2.7	1.8	2.7	300	2.4	2.6	1.7	2.9
1.1	2.2	1.0	3.0	400	0.4	1.1	2.2	3.3
4.6	5.8	2.4	2.8	500	1.8	2.5	1.5	3.1
1.8	5.4	2.3	3.7	600	2.1	4.0	1.0	2.1
0.4	1.7	1.3	3.1	700	1.6	2.9	1.2	2.3
0.1	0.0	1.1	2.3	800	0.6	0.9	0.9	1.3
-1.1	-1.2	0.2	0.2	900	1.4	0.6	0.8	0.0
-1.7	-3.9	-0.7	-1.5	1000	0.6	-0.9	-0.6	-1.2
-0.9	-2.1	-0.2	-1.4	1100	-1.7	-3.6	-1.0	-2.4
-1.6	-3.2	-1.1	-2.1	1200	-0.2	-2.0	-1.6	-3.2
-1.2	-2.3	-0.5	-1.2	1300	-1.2	-3.4	-0.9	-1.7
-1.2	-2.7	-0.7	-1.6	1400	-1.9	-3.1	-0.8	-1.6
-0.7	-1.6	-0.3	-0.7	1500	-0.8	-1.5	-0.6	-0.9
-0.4	-0.7	0.1	-0.1	1600	0.0	0.0	0.2	0.4
0.7	1.3	0.4	0.8	1700	0.4	0.9	1.0	1.3
0.7	1.9	0.6	0.9	1800	0.8	2.2	0.4	0.8
0.6	1.3	0.4	0.7	1900	1.9	2.8	0.4	0.8
0.4	1.7	0.5	0.6	2000	0.3	1.8	0.6	0.9
3.1	4.2	0.7	1.0	2100	0.3	3.2	1.0	1.3
-0.7	1.7	0.5	0.8	2200	4.1	5.3	0.6	0.9
2.8	4.1	0.4	0.5	2300	1.7	2.8	1.3	1.7

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 339		DAY 340		TIME	DAY 341		DAY 342	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.7	1.2	1.9	2.2	0	4.4	5.2	0.7	1.4
1.4	1.7	2.3	3.3	100	4.0	4.5	0.3	1.0
1.2	1.7	2.8	3.7	200	0.9	2.0	1.3	2.5
1.2	1.6	4.0	4.3	300	1.5	2.6	1.9	3.5
0.3	1.1	0.7	1.4	400	2.1	3.1	2.4	3.5
0.5	1.5	1.2	2.8	500	2.2	3.0	3.4	4.0
0.8	1.5	0.7	1.0	600	0.8	1.8	1.9	2.3
1.0	2.7	0.7	0.9	700	0.5	1.3	2.4	3.0
0.5	0.8	0.8	0.8	800	1.0	1.5	2.6	3.6
-0.4	-1.0	0.2	-0.5	900	-0.8	-1.7	1.4	1.0
-1.2	-2.5	-1.4	-2.6	1000	-2.1	-3.5	-1.5	-2.5
-1.1	-2.2	-1.3	-2.4	1100	-1.1	-1.8	-0.8	-1.8
-0.6	-1.6	-1.3	-3.0	1200	-1.0	-1.8	-1.0	-3.1
-1.7	-2.8	-1.1	-2.3	1300	-1.0	-2.1	-3.2	-4.3
-1.1	-1.7	-1.3	-2.2	1400	-2.1	-3.4	-0.9	-2.4
-0.4	-0.9	-0.9	-1.9	1500	-1.6	-2.4	-1.0	-1.8
0.1	0.0	-0.4	-0.7	1600	-0.2	-0.6	-0.5	-0.7
0.0	0.9	0.6	1.7	1700	0.0	0.2	1.7	2.2
1.2	2.3	1.8	2.3	1800	0.2	0.4	1.4	2.5
3.5	4.3	0.6	0.8	1900	0.5	1.6	1.5	2.5
2.2	2.8	0.9	1.2	2000	1.2	2.1	0.0	1.1
1.3	1.9	0.5	1.9	2100	2.3	2.9	0.7	2.6
2.7	3.4	1.5	2.2	2200	4.1	4.5	0.6	2.5
4.7	5.1	3.7	4.3	2300	1.0	2.4	3.2	4.2

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C .)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 343		DAY 344		TIME	DAY 345		DAY 346	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
2.4	3.5	0.7	1.0	0	0.0	0.0	4.3	5.2
2.8	4.0	0.5	1.0	100	-0.1	-0.2	3.8	4.8
0.5	1.8	0.5	1.3	200	0.2	0.3	4.7	5.8
0.4	1.8	0.4	0.7	300	0.0	0.4	2.5	3.8
0.8	2.1	0.3	0.4	400	0.8	2.1	4.3	6.0
2.0	2.5	0.2	0.3	500	0.7	1.7	5.6	6.9
0.3	1.1	0.4	0.5	600	1.8	2.9	5.2	6.6
1.6	2.3	0.3	0.4	700	1.2	2.2	5.8	7.1
2.4	3.0	-0.1	-0.2	800	0.3	1.3	3.2	4.4
-1.5	-1.3	-0.4	-0.9	900	-0.6	-1.4	-0.5	-1.3
-2.9	-2.6	-0.7	-1.5	1000	-0.7	-1.9	-2.6	-3.3
-1.5	-2.6	-1.0	-1.9	1100	-1.8	-2.7	-1.3	-3.1
-1.3	-2.6	-0.9	-2.0	1200	-1.2	-2.7	-1.6	-2.6
-1.4	-3.1	-1.2	-2.4	1300	-1.5	-2.6	-2.1	-2.4
-1.1	-1.7	-0.5	-0.9	1400	-1.3	-2.5	-0.8	-1.7
-0.9	-1.3	-0.5	-0.9	1500	-0.7	-1.7	-1.1	-2.1
-0.5	-0.8	-0.3	-0.5	1600	-0.3	-0.5	-0.7	-1.1
0.5	0.9	0.0	0.0	1700	0.4	1.7	0.1	0.3
0.2	1.2	0.3	0.3	1800	1.1	3.5	1.3	2.7
1.4	1.8	0.3	0.4	1900	1.1	3.1	1.3	2.5
0.6	0.9	0.6	0.8	2000	0.4	2.6	1.5	3.8
1.2	2.0	0.5	0.6	2100	2.7	4.0	1.3	3.4
0.8	1.7	-0.1	-0.3	2200	4.0	5.1	0.4	2.5
0.4	0.7	-0.2	-0.4	2300	3.9	5.2	0.2	2.7

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 347		DAY 348		TIME	DAY 349		DAY 350	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
1.7	2.5	4.4	4.9	0	0.8	2.0	2.5	3.5
2.5	2.9	1.6	4.1	100	1.3	2.8	3.1	3.5
3.9	4.9	-0.1	1.6	200	1.6	3.7	1.8	3.5
1.3	4.2	2.1	2.3	300	0.0	1.7	2.1	3.6
0.2	1.3	0.8	4.6	400	1.4	2.7	-0.4	2.0
-0.1	2.2	1.0	2.2	500	3.3	3.7	-0.1	2.8
2.7	4.8	0.1	1.9	600	0.7	1.4	3.8	4.8
2.2	3.8	0.8	2.2	700	1.1	2.5	4.6	5.8
2.3	4.7	0.5	2.0	800	1.6	2.1	1.0	3.8
0.5	0.8	-0.6	-1.4	900	-0.2	-1.1	1.8	1.2
-0.7	-2.5	-1.4	-1.7	1000	-1.0	-2.1	-1.1	-1.7
-1.5	-2.6	-1.3	-2.5	1100	0.4	-0.4	-1.1	-1.9
-1.1	-2.1	-1.0	-2.3	1200	-1.2	-2.3	-1.1	-2.3
-1.3	-2.4	-1.2	-2.4	1300	-0.9	-2.2	-1.8	-3.0
-0.3	-1.3	-1.0	-1.9	1400	-1.1	-2.1	-0.6	-1.7
-0.4	-1.1	-0.7	-1.6	1500	-1.7	-1.6	-0.9	-1.4
-0.4	-0.8	-0.4	-0.7	1600	-0.1	0.0	-0.2	-0.5
-0.1	0.6	1.4	1.4	1700	1.1	1.7	0.7	1.3
1.5	2.5	0.6	1.5	1800	2.0	2.7	2.5	3.0
1.7	3.8	0.5	1.7	1900	1.5	2.0	3.3	3.5
1.4	3.3	-0.9	0.1	2000	2.0	2.7	0.9	2.0
3.1	4.2	3.8	4.9	2100	1.9	2.6	2.1	3.7
4.1	5.1	1.6	3.0	2200	2.4	3.4	4.0	4.3
3.9	4.9	0.7	1.8	2300	2.3	3.0	4.1	5.3

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 351		DAY 352		TIME	DAY 353		DAY 354	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
3.2	4.8	3.6	3.2	0	2.2	3.8	0.9	1.2
3.0	4.3	0.6	2.8	100	3.5	6.1	0.9	1.3
1.2	3.6	-0.2	1.4	200	2.0	3.8	0.8	1.2
0.8	1.5	1.2	2.3	300	0.2	0.7	0.9	1.1
1.0	3.4	2.1	3.3	400	-0.3	1.7	0.4	0.6
1.0	1.9	1.4	2.4	500	2.7	3.5	0.9	2.2
1.6	3.4	3.0	4.5	600	0.7	2.7	0.4	0.7
1.6	2.6	1.1	2.7	700	0.0	1.0	0.2	0.1
0.9	2.0	1.3	2.5	800	0.4	1.5	0.5	0.7
-0.5	-1.0	-0.4	-1.0	900	-0.7	-1.4	-0.2	-0.5
-1.1	-1.9	-1.5	-2.4	1000	-0.8	-2.1	-0.4	-0.7
-1.0	-2.1	-0.9	-1.8	1100	-2.0	-2.8	-0.6	-0.9
-1.2	-2.3	-0.9	-2.2	1200	-0.9	-2.1	-0.5	-0.8
-1.5	-2.5	-1.4	-1.9	1300	-1.2	-2.3	-0.8	-1.5
-1.1	-1.8	-1.0	-1.8	1400	-1.4	-2.3	-1.1	-1.9
-0.7	-1.2	-0.8	-1.2	1500	-0.6	-1.3	0.3	0.0
-0.3	-0.4	-0.4	-0.7	1600	-0.2	-0.2	0.1	0.0
0.0	0.5	1.9	0.8	1700	0.7	1.1	0.6	1.3
0.9	1.6	0.6	1.5	1800	0.9	1.2	0.5	0.9
0.5	1.5	0.4	0.8	1900	0.7	1.2	0.6	0.9
2.2	3.6	3.7	4.3	2000	0.6	1.0	0.4	0.7
0.6	4.5	4.1	5.5	2100	1.0	1.5	0.5	0.7
-1.1	-0.4	2.1	3.3	2200	0.4	0.9	0.3	0.4
2.2	3.2	-1.4	0.4	2300	0.5	0.7	0.2	0.2

[DELTAS ARE 100'-33' AND 100'-10']
(ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 355		DAY 356		TIME	DAY 357		DAY 358	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.5	0.7	0.7	0.5	0	1.8	2.2	1.6	2.1
0.5	0.6	0.4	0.4	100	2.3	2.5	0.9	1.3
0.4	0.6	0.5	0.5	200	1.8	2.2	1.4	1.8
0.8	1.1	0.0	-0.1	300	2.5	2.9	2.1	3.0
0.3	1.5	0.0	-0.2	400	1.9	2.6	2.0	2.2
1.4	2.1	0.0	-0.1	500	2.2	2.6	0.8	1.0
0.0	0.7	0.0	-0.2	600	1.7	1.8	0.6	0.9
0.6	1.0	-0.1	-0.3	700	2.7	3.3	0.2	0.1
0.6	1.8	-0.1	-0.3	800	1.7	3.2	0.0	0.1
-0.5	-1.1	-0.2	-0.6	900	1.6	0.3	-0.3	-0.5
-0.8	-1.1	-0.3	-1.2	1000	-0.9	-2.5	-0.4	-1.0
-0.5	-0.9	-0.5	-1.7	1100	-0.4	-1.6	-1.0	-1.9
-0.8	-1.4	-0.6	-1.6	1200	-1.5	-2.7	-0.7	-1.4
-0.7	-1.4	-0.4	-1.2	1300	-2.3	-3.5	-0.8	-2.0
-0.3	-0.7	-0.6	-1.4	1400	-0.9	-2.3	-1.1	-2.3
0.1	-0.3	-0.7	-1.3	1500	-0.8	-2.1	-0.4	-0.9
0.3	0.0	-0.4	-1.3	1600	-0.4	-1.1	0.0	-0.1
0.1	-0.1	0.1	0.2	1700	-0.3	1.1	0.2	0.3
0.5	0.2	1.5	2.3	1800	1.1	2.4	0.1	0.2
0.2	0.2	1.2	1.6	1900	1.4	2.7	0.1	0.3
0.0	-0.2	2.0	2.4	2000	3.8	4.3	0.6	0.9
-0.1	-0.3	1.0	1.9	2100	1.1	2.2	0.3	0.6
-0.1	-0.3	1.4	1.7	2200	2.1	2.9	0.3	0.5
0.1	-0.2	1.5	2.2	2300	0.6	1.0	0.6	1.4

[DELTAS ARE 100' -33' AND 100' -10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 359		DAY 360		TIME	DAY 361		DAY 362	
[-33]	[-10]	[-33]	[-10]		[-33]	[-10]	[-33]	[-10]
0.6	0.8	3.4	4.5	0	0.5	2.0	0.9	1.0
0.1	0.3	1.7	2.3	100	0.6	1.0	0.8	0.8
0.3	0.6	0.3	0.8	200	0.8	0.9	0.5	0.4
0.5	0.8	0.6	2.4	300	0.7	1.2	0.0	-0.1
0.9	1.1	2.7	4.0	400	1.5	2.0	-0.1	-0.1
2.4	3.6	2.3	3.4	500	1.3	2.1	-0.1	-0.1
1.8	3.3	2.1	2.6	600	0.6	0.8	0.0	-0.1
0.7	1.0	1.2	1.4	700	0.2	0.4	-0.1	-0.2
1.5	2.7	0.7	0.5	800	0.2	0.1	0.0	0.0
0.2	-0.2	-0.3	-0.8	900	-0.1	-0.3	-0.2	-0.6
-1.0	-1.9	-0.6	-1.2	1000	-0.1	-0.3	-0.6	-1.2
-0.9	-1.8	-0.9	-2.3	1100	-0.9	-1.7	-0.7	-1.7
-1.0	-2.2	-0.7	-1.5	1200	-0.6	-1.6	-0.7	-1.3
-1.4	-3.5	-1.4	-2.4	1300	-1.1	-1.7	-0.8	-1.6
-1.1	-2.2	-0.8	-1.3	1400	-0.6	-1.3	-0.3	-1.3
-0.5	-1.5	-0.6	-1.0	1500	-0.5	-0.8	-0.4	-0.8
-0.2	-0.6	-0.5	-0.7	1600	-0.3	-0.6	-0.8	-1.3
1.0	3.7	0.0	0.0	1700	-0.1	-0.3	0.3	0.7
0.9	1.5	0.5	0.6	1800	0.2	0.0	1.2	1.9
0.6	0.8	0.9	1.2	1900	0.1	0.0	2.1	2.8
2.1	3.8	0.9	1.1	2000	0.1	0.0	3.5	4.1
0.3	1.6	0.6	1.4	2100	0.3	0.1	4.2	4.9
1.9	4.2	1.6	2.8	2200	0.4	0.8	4.6	5.1
4.3	5.1	0.7	2.2	2300	0.7	0.7	2.3	2.9

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS MET STATION 1

~~~~~ DELTA-TEMP CALCULATIONS ~~~~~

DAY 363		DAY 364		TIME	DAY 365	
[-33] [-10]		[-33] [-10]			[-33] [-10]	
1.4	1.8	0.8	1.0	0	0.2	1.5
0.7	1.1	0.2	0.1	100	2.7	4.1
0.7	1.1	1.1	1.5	200	0.5	2.0
0.8	1.0	0.1	1.0	300	2.3	2.6
0.2	0.5	0.4	1.6	400	0.3	0.6
1.6	2.4	0.1	0.3	500	-0.1	-0.1
0.7	2.1	0.0	0.0	600	0.2	0.3
0.3	0.9	-0.1	-0.2	700	1.2	1.4
0.7	1.5	0.1	0.0	800	0.8	0.8
0.9	0.7	-0.4	-0.7	900	-0.5	-0.8
-0.6	-1.1	-1.0	-1.2	1000	-0.9	-1.7
-0.8	-1.9	-0.3	-0.9	1100	-0.9	-1.9
-1.2	-2.3	-1.0	-1.3	1200	-0.4	-1.3
-1.0	-2.6	-0.9	-1.3	1300	-2.2	-2.7
-1.1	-2.2	-0.8	-1.7	1400	0.0	-1.1
-0.6	-1.5	-0.8	-1.5	1500	-0.8	-1.5
-0.5	-0.6	-0.3	-0.7	1600	-0.7	-1.3
0.0	-0.1	0.2	0.5	1700	0.4	0.4
0.1	0.0	0.9	1.8	1800	0.4	1.6
-0.2	-0.4	0.5	1.3	1900	0.4	0.5
-0.3	-0.5	1.0	2.0	2000	0.2	0.2
0.2	0.4	0.7	1.5	2100	0.0	-0.2
0.6	0.8	0.4	1.1	2200	-0.1	-0.1
0.8	1.0	0.2	0.4	2300	-0.1	-0.3

[DELTAS ARE 100'-33' AND 100'-10']
 (ALL TEMPERATURES IN DEGREES C)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station # 2

7 AUGUST 1979 through 31 AUGUST 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

James B. Mershon, Vice Pres.

GEOKINETICS MET STATION 2
WIND ROSE VALUES

33' ----- NUMBER OF OCCURRENCES: ----- 33'

	<3	3-7	7-12	>12	
N	2	6	4	2	(14)
N N E	4	8	7	2	(21)
N E	4	8	4	2	(18)
E N E	4	3	9	0	(16)
E	5	6	1	0	(12)
E S E	11	4	5	1	(21)
S E	5	8	7	2	(22)
S S E	3	7	11	6	(27)
S	19	31	19	10	(79)
S S W	10	76	68	5	(159)
S W	10	57	24	6	(97)
W S W	11	13	7	4	(35)
W	6	12	5	1	(24)
W N W	1	16	9	0	(26)
N W	6	5	7	1	(19)
N N W	6	6	5	1	(18)

(107) (266) (192) (43)

33' ----- PERCENTAGES OF OCCURRENCES: ----- 33'

	<3	3-7	7-12	>12	
N	0.3	1.0	0.7	0.3	(2.3)
N N E	0.7	1.3	1.2	0.3	(3.5)
N E	0.7	1.3	0.7	0.3	(3.0)
E N E	0.7	0.5	1.5	0.0	(2.6)
E	0.8	1.0	0.2	0.0	(2.0)
E S E	1.8	0.7	0.8	0.2	(3.5)
S E	0.8	1.3	1.2	0.3	(3.6)
S S E	0.5	1.2	1.8	1.0	(4.4)
S	3.1	5.1	3.1	1.6	(13.0)
S S W	1.6	12.5	11.2	0.8	(26.2)
S W	1.6	9.4	3.9	1.0	(16.0)
W S W	1.8	2.1	1.2	0.7	(5.8)
W	1.0	2.0	0.8	0.2	(3.9)
W N W	0.2	2.6	1.5	0.0	(4.3)
N W	1.0	0.8	1.2	0.2	(3.1)
N N W	1.0	1.0	0.8	0.2	(3.0)

(17.6) (43.8) (31.6) (7.1)

FROM 218 1500 THRU 243 2300 FOR 608 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.0	0	0.0	0	9.4	208	22.6
100	0.0	0	0.0	100	8.1	136	23.3
200	0.0	0	0.0	200	5.7	174	21.5
300	0.0	0	0.0	300	6.1	208	20.6
400	0.0	0	0.0	400	7.5	198	19.4
500	0.0	0	0.0	500	10.1	268	18.6
600	0.0	0	0.0	600	4.3	173	16.8
700	0.0	0	0.0	700	5.4	189	18.1
800	0.0	0	0.0	800	4.1	211	21.4
900	0.0	0	0.0	900	6.3	153	24.7
1000	0.0	0	0.0	1000	14.1	199	23.2
1100	0.0	0	0.0	1100	10.2	184	23.6
1200	0.0	0	0.0	1200	9.6	196	28.8
1300	0.0	0	0.0	1300	10.4	73	31.8
1400	0.0	0	0.0	1400	11.9	326	29.4
1500	8.5	292	29.9	1500	7.0	306	23.9
1600	10.0	291	30.7	1600	8.2	332	23.9
1700	1.0	358	32.6	1700	7.2	325	27.1
1800	11.0	272	31.5	1800	6.2	285	25.2
1900	4.3	331	30.5	1900	6.0	255	23.7
2000	13.8	165	25.6	2000	3.6	257	23.0
2100	11.4	184	23.8	2100	7.9	280	21.9
2200	7.3	182	23.9	2200	3.8	9	17.8
2300	4.4	114	23.7	2300	2.5	227	15.8
MAX	13.8	358	32.6		14.1	332	31.8
MIN	0.0	0	0.0		2.5	9	15.8
AVG	3.0	91	10.5		7.3	216	22.8
	MPH	DEG	CENT		MPH	DEG	CENT

6 AUG. '79 (218)

7 AUG. '79 (219)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	3.8	212	18.3	0	6.6	219	20.3
100	0.0	206	15.7	100	2.0	112	17.5
200	5.4	215	17.7	200	5.0	209	17.7
300	2.0	254	16.9	300	8.6	212	17.2
400	1.5	249	16.0	400	6.7	212	16.6
500	2.6	210	16.3	500	7.4	205	15.6
600	6.9	215	16.3	600	8.8	204	15.6
700	5.8	188	16.0	700	8.9	204	16.3
800	5.2	224	20.9	800	4.5	221	20.2
900	4.2	230	22.3	900	6.3	10	21.7
1000	4.8	206	22.4	1000	8.4	51	23.5
1100	5.0	271	22.4	1100	2.9	107	26.3
1200	3.8	191	24.9	1200	7.3	307	27.0
1300	4.6	271	24.8	1300	9.5	286	28.2
1400	3.9	30	26.9	1400	9.8	285	27.5
1500	3.3	292	27.1	1500	9.4	158	27.0
1600	9.4	3	29.4	1600	6.1	98	30.7
1700	7.2	117	26.3	1700	8.0	130	27.4
1800	12.0	107	25.8	1800	2.6	313	27.7
1900	2.7	118	25.4	1900	3.6	75	28.3
2000	3.5	145	24.9	2000	7.9	348	25.4
2100	2.9	170	21.9	2100	15.1	53	23.3
2200	6.1	186	20.6	2200	16.8	38	21.1
2300	3.3	187	19.8	2300	10.1	53	19.5
MAX	12.0	292	29.4		16.8	348	30.7
MIN	0.0	3	15.7		2.0	10	15.6
AVG	4.6	187	21.6		7.6	171	22.6
	MPH	DEG	CENT		MPH	DEG	CENT

8 AUG. '79 (220)

9 AUG. '79 (221)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	14.6	25	17.7	0	0.0	190	16.6
100	7.0	66	16.8	100	1.6	188	16.7
200	2.3	107	15.4	200	5.9	218	15.7
300	5.4	278	15.2	300	9.2	215	15.7
400	7.3	276	14.6	400	6.1	219	15.2
500	4.7	293	13.8	500	9.3	210	14.5
600	4.4	281	13.7	600	4.5	217	13.7
700	3.5	274	13.7	700	4.7	203	13.3
800	4.0	16	16.3	800	7.2	213	17.6
900	8.0	65	17.6	900	5.8	249	21.0
1000	13.9	5	19.2	1000	3.0	226	24.5
1100	8.6	58	21.5	1100	5.7	111	28.7
1200	8.5	31	23.3	1200	7.2	284	27.2
1300	13.4	19	24.6	1300	3.6	223	30.3
1400	7.4	48	26.0	1400	10.3	291	28.5
1500	10.3	13	25.9	1500	12.0	338	29.6
1600	9.1	61	27.1	1600	5.4	317	28.9
1700	9.5	25	26.7	1700	7.5	339	28.7
1800	5.7	56	26.2	1800	4.0	343	27.1
1900	9.6	23	25.5	1900	3.5	47	27.9
2000	3.8	14	24.0	2000	0.9	276	25.5
2100	0.2	346	19.7	2100	0.0	238	19.8
2200	1.0	35	17.8	2200	0.8	191	19.8
2300	3.8	190	18.2	2300	8.2	199	20.3
MAX	14.6	346	27.1		12.0	343	30.3
MIN	0.2	5	13.7		0.0	47	13.3
AVG	6.9	109	20.0		5.3	231	21.9
	MPH	DEG	CENT		MPH	DEG	CENT

10 AUG. '79 (222)

11 AUG. '79 (223)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.8	189	19.8	0	6.4	232	14.4
100	5.8	225	19.8	100	0.3	203	13.8
200	7.1	217	20.3	200	4.3	201	13.7
300	3.8	208	20.9	300	6.0	203	13.8
400	6.1	223	18.7	400	4.6	203	13.9
500	5.2	175	19.4	500	2.5	191	13.4
600	10.1	206	19.5	600	2.2	175	13.3
700	7.9	164	19.6	700	2.0	64	13.3
800	8.7	183	21.7	800	3.5	139	15.5
900	14.1	206	22.6	900	13.4	163	17.4
1000	14.8	214	23.4	1000	12.2	180	19.2
1100	8.3	199	23.3	1100	11.5	169	19.0
1200	9.5	170	23.3	1200	8.7	205	19.4
1300	5.0	144	25.4	1300	13.3	191	21.9
1400	5.1	191	26.3	1400	18.2	125	20.8
1500	6.1	158	28.7	1500	7.7	156	23.2
1600	10.8	190	28.2	1600	12.7	210	23.6
1700	8.1	165	25.6	1700	8.4	196	24.8
1800	11.3	177	25.3	1800	12.3	305	19.4
1900	12.0	169	24.7	1900	8.3	32	20.3
2000	4.9	140	23.4	2000	3.7	75	17.8
2100	3.1	246	21.3	2100	1.0	78	15.7
2200	4.3	291	19.4	2200	0.6	155	14.6
2300	5.5	287	15.8	2300	2.8	125	15.1
MAX	14.8	291	28.7		18.2	305	24.8
MIN	3.1	140	15.8		0.3	32	13.3
AVG	7.7	197	22.4		6.9	166	17.4
	MPH	DEG	CENT		MPH	DEG	CENT

12 AUG. '79 (224)

13 AUG. '79 (225)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.7	222	13.2	0	5.7	268	13.1
100	7.8	210	13.1	100	3.5	305	12.4
200	8.4	202	13.3	200	2.5	177	11.2
300	4.7	212	13.2	300	0.1	187	11.0
400	0.5	229	10.9	400	2.1	190	9.9
500	1.7	263	11.8	500	7.3	202	9.9
600	1.9	181	11.9	600	7.0	203	9.7
700	3.9	187	13.5	700	5.5	208	9.9
800	1.8	132	12.9	800	6.3	220	13.0
900	2.0	115	15.1	900	2.0	29	15.3
1000	3.5	245	16.9	1000	1.3	340	17.3
1100	4.1	101	19.0	1100	4.2	19	18.3
1200	9.6	122	20.9	1200	5.4	291	17.9
1300	6.2	182	21.2	1300	15.1	244	15.9
1400	12.1	166	21.4	1400	12.3	250	18.3
1500	8.4	114	21.2	1500	8.6	255	17.0
1600	10.9	75	20.3	1600	8.8	259	18.2
1700	7.3	126	20.3	1700	6.0	267	17.3
1800	5.1	204	18.7	1800	4.0	264	13.5
1900	3.3	136	18.6	1900	0.8	95	12.5
2000	5.5	284	14.6	2000	2.3	216	12.8
2100	1.2	186	12.7	2100	2.0	204	12.5
2200	3.0	242	12.8	2200	2.5	220	12.5
2300	5.3	296	12.8	2300	4.2	210	12.2
MAX	12.1	296	21.4		15.1	340	18.3
MTN	0.5	75	10.9		0.1	19	9.7
AVG	5.0	185	15.8		5.0	213	13.8
	MPH	DEG	CENT		MPH	DEG	CENT

14 AUG. '79 (226)

15 AUG. '79 (227)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.3	204	12.1	0	7.0	212	10.5
100	0.1	185	11.9	100	7.4	196	9.4
200	3.9	286	12.0	200	7.4	207	9.1
300	2.6	182	12.0	300	9.2	199	8.7
400	3.0	178	11.6	400	10.0	207	8.8
500	4.4	218	12.0	500	7.5	206	9.1
600	3.7	229	11.5	600	3.4	220	8.3
700	4.0	204	11.9	700	6.9	215	9.7
800	3.6	205	12.6	800	3.2	214	13.3
900	5.2	199	15.7	900	3.7	190	15.6
1000	4.1	224	16.4	1000	5.5	194	17.7
1100	2.9	319	18.8	1100	9.3	207	19.5
1200	1.7	181	19.5	1200	6.5	208	18.1
1300	2.5	119	19.7	1300	8.4	195	16.7
1400	6.7	185	18.1	1400	6.6	185	16.3
1500	8.7	215	16.1	1500	6.8	175	18.6
1600	10.3	171	13.5	1600	2.7	241	20.9
1700	7.9	193	12.7	1700	3.1	227	21.2
1800	7.0	215	12.4	1800	6.5	215	18.9
1900	6.8	221	12.1	1900	6.3	206	16.9
2000	0.4	16	12.1	2000	3.1	213	17.4
2100	2.8	186	11.7	2100	4.5	283	15.4
2200	6.1	220	11.4	2200	1.7	273	12.9
2300	6.7	202	10.8	2300	4.4	279	13.4
MAX	10.3	319	19.7		10.0	283	21.2
MIN	0.1	16	10.8		1.7	175	8.3
AVG	4.6	198	13.7		5.9	215	14.4
	MPH	DEG	CENT		MPH	DEG	CENT

16 AUG. '79 (228)

17 AUG. '79 (229)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.0	217	11.4	0	4.7	184	12.7
100	1.2	211	12.1	100	4.1	230	12.1
200	5.8	216	11.6	200	3.3	201	11.6
300	6.6	226	11.3	300	1.8	234	11.6
400	5.1	242	11.8	400	4.9	209	11.0
500	2.4	231	14.3	500	6.8	196	11.0
600	3.3	336	11.6	600	5.3	213	11.7
700	5.6	271	10.9	700	4.7	217	9.9
800	5.7	164	14.9	800	1.3	18	9.2
900	2.7	47	16.0	900	1.3	43	9.7
1000	2.8	119	18.4	1000	3.9	41	11.7
1100	1.3	252	19.5	1100	0.8	330	13.1
1200	4.5	231	18.5	1200	6.5	33	10.4
1300	6.9	209	19.4	1300	1.5	188	10.4
1400	10.5	245	17.7	1400	2.5	195	11.4
1500	8.2	151	22.0	1500	1.9	109	14.5
1600	9.7	162	20.8	1600	1.6	165	16.5
1700	7.9	123	20.4	1700	1.9	142	15.5
1800	14.1	169	19.3	1800	5.7	183	15.2
1900	10.1	319	15.9	1900	5.3	255	11.2
2000	2.4	41	13.8	2000	3.1	55	10.7
2100	2.0	178	12.6	2100	1.2	109	10.2
2200	5.8	160	14.0	2200	4.3	222	10.9
2300	5.4	214	13.4	2300	4.3	190	11.5
MAX	14.1	336	22.0		6.8	330	16.5
MIN	0.0	41	10.9		0.0	18	9.2
AVG	5.4	197	15.5		3.4	165	11.8
	MPH	DEG	CENT		MPH	DEG	CENT

18 AUG. '79 (230)

19 AUG. '79 (231)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.6	165	11.7	0	6.8	200	11.0
100	6.6	180	12.2	100	8.7	193	10.7
200	4.2	201	11.3	200	10.2	210	10.4
300	3.8	200	11.0	300	9.2	203	10.2
400	3.7	207	10.8	400	6.7	209	10.1
500	3.8	212	10.6	500	8.5	203	10.4
600	4.1	199	10.5	600	7.3	213	10.4
700	5.0	214	10.7	700	6.9	209	10.3
800	4.8	234	11.1	800	5.1	209	13.3
900	3.3	219	13.0	900	4.3	186	16.5
1000	4.5	206	15.7	1000	1.1	242	18.3
1100	7.4	146	15.3	1100	3.5	254	19.5
1200	3.8	285	12.2	1200	6.0	4	21.5
1300	1.9	160	13.0	1300	3.8	353	20.9
1400	3.8	21	14.2	1400	4.2	174	25.1
1500	9.4	99	17.5	1500	8.2	142	23.1
1600	11.2	61	17.5	1600	4.0	88	20.7
1700	9.0	298	16.1	1700	8.0	69	21.5
1800	10.3	308	15.6	1800	4.0	307	23.5
1900	2.5	315	15.5	1900	6.8	238	22.3
2000	2.6	75	14.5	2000	5.0	230	19.9
2100	0.6	185	11.8	2100	5.0	210	17.2
2200	3.7	202	12.0	2200	8.0	204	15.8
2300	6.6	206	11.9	2300	9.0	219	14.9
MAX	11.2	315	17.5		10.2	353	25.1
MIN	0.6	21	10.5		1.1	4	10.1
AVG	5.2	192	13.2		6.3	199	16.6
	MPH	DEG	CENT		MPH	DEG	CENT

20 AUG. '79 (232)

21 AUG. '79 (233)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.1	197	14.3	0	5.4	216	16.2
100	5.6	217	13.6	100	4.8	212	14.5
200	8.4	216	13.7	200	9.0	217	12.8
300	9.3	210	11.9	300	8.5	208	12.3
400	8.3	212	12.1	400	5.3	208	11.3
500	6.8	213	11.4	500	6.9	206	11.4
600	8.0	213	10.5	600	5.8	202	10.9
700	5.8	207	11.1	700	3.8	209	11.0
800	7.0	207	12.1	800	5.9	218	15.8
900	1.2	18	17.4	900	0.8	347	19.7
1000	0.4	253	19.7	1000	2.6	260	21.2
1100	0.6	315	23.0	1100	3.8	338	22.5
1200	4.4	65	24.3	1200	8.9	31	24.9
1300	7.9	45	24.5	1300	4.0	303	25.7
1400	6.1	9	24.5	1400	8.9	247	25.3
1500	5.6	138	25.1	1500	3.4	133	28.5
1600	3.5	97	25.4	1600	3.0	84	27.5
1700	2.1	339	24.9	1700	1.8	84	26.3
1800	7.9	26	25.1	1800	4.8	53	26.7
1900	5.1	52	23.6	1900	6.1	339	25.4
2000	4.0	48	21.7	2000	7.1	229	22.4
2100	4.0	91	19.2	2100	6.9	205	19.5
2200	0.0	114	17.7	2200	7.9	207	18.8
2300	1.7	321	18.0	2300	5.4	203	18.0
MAX	9.3	339	25.4		9.0	347	28.5
MIN	0.0	9	10.5		0.8	31	10.9
AVG	5.1	159	18.5		5.5	207	19.5
	MPH	DEG	CENT		MPH	DEG	CENT

22 AUG. '79 (234)

23 AUG. '79 (235)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.2	217	17.5	0	4.2	213	14.1
100	8.4	217	17.1	100	9.1	214	14.3
200	8.0	200	16.1	200	1.2	241	14.0
300	8.5	223	16.4	300	1.9	211	13.3
400	9.2	221	14.1	400	2.2	265	11.1
500	8.0	214	12.9	500	7.1	212	11.5
600	4.4	215	13.0	600	10.5	205	11.3
700	10.0	209	11.6	700	7.8	238	11.6
800	9.0	211	15.5	800	3.9	206	14.7
900	6.1	233	19.4	900	1.5	284	17.1
1000	13.9	273	20.4	1000	2.7	318	19.3
1100	4.3	297	22.2	1100	2.4	72	21.3
1200	2.6	332	24.4	1200	3.5	8	23.5
1300	10.6	357	26.2	1300	9.6	57	24.0
1400	7.9	355	25.6	1400	1.5	99	27.6
1500	7.4	340	26.4	1500	3.5	256	26.6
1600	7.9	308	27.0	1600	1.2	84	28.3
1700	9.1	349	25.8	1700	7.6	161	25.1
1800	7.1	336	25.6	1800	11.4	227	24.2
1900	9.4	292	24.3	1900	5.0	251	23.3
2000	3.4	273	22.5	2000	5.1	298	20.8
2100	4.3	304	20.9	2100	1.1	94	17.8
2200	0.5	264	16.7	2200	2.8	190	16.9
2300	2.4	246	15.3	2300	5.0	202	16.4
MAX	13.9	357	27.0		11.4	318	28.3
MIN	0.5	200	11.6		1.1	8	11.1
AVG	7.0	270	19.9		4.7	192	18.7
	MPH	DEG	CENT		MPH	DEG	CENT

24 AUG. '79 (236)

25 AUG. '79 (237)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.9	195	14.8	0	8.2	198	15.3
100	7.5	207	14.1	100	7.8	202	14.7
200	11.3	219	13.7	200	5.9	213	14.2
300	8.4	216	13.5	300	6.8	213	14.1
400	3.0	213	12.1	400	5.8	224	13.5
500	1.0	237	11.4	500	6.6	220	13.9
600	1.5	207	10.5	600	0.8	205	12.6
700	2.1	229	11.4	700	8.4	189	16.0
800	2.0	220	15.1	800	12.3	181	18.6
900	5.8	205	18.1	900	9.3	204	21.6
1000	2.0	4	20.9	1000	7.4	221	22.7
1100	3.7	339	23.3	1100	9.2	182	26.6
1200	5.6	314	24.6	1200	10.7	222	26.4
1300	6.6	49	25.4	1300	12.6	231	27.6
1400	9.2	175	25.1	1400	12.9	212	27.9
1500	10.3	188	25.3	1500	18.9	191	27.0
1600	7.8	161	27.5	1600	14.5	220	27.8
1700	4.5	167	24.8	1700	9.0	231	26.8
1800	4.6	116	22.7	1800	12.5	221	26.0
1900	8.1	207	19.6	1900	6.0	246	25.7
2000	5.7	202	18.7	2000	2.8	201	23.1
2100	6.4	220	17.4	2100	5.0	193	21.0
2200	7.1	212	16.7	2200	6.6	209	19.9
2300	7.9	201	15.7	2300	10.0	210	20.3
MAX	11.3	339	27.5		18.9	246	27.9
MIN	1.0	4	10.5		0.8	181	12.6
AVG	5.8	196	18.4		8.8	210	21.0
	MPH	DEG	CENT		MPH	DEG	CENT

26 AUG. '79 (238)

27 AUG. '79 (239)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.3	212	18.9	0	8.0	182	19.8
100	4.7	222	17.8	100	8.3	200	18.8
200	7.5	197	17.7	200	6.1	179	18.2
300	8.5	204	17.8	300	7.4	198	17.8
400	10.1	206	18.0	400	8.4	207	17.0
500	8.1	203	17.8	500	6.2	211	16.2
600	8.9	212	17.0	600	4.3	226	15.8
700	7.8	212	16.9	700	5.6	231	15.1
800	4.6	222	18.5	800	5.2	215	19.0
900	11.2	287	19.5	900	13.2	164	22.2
1000	4.9	283	24.6	1000	11.5	169	24.4
1100	4.1	22	25.7	1100	14.0	195	25.5
1200	3.9	20	25.6	1200	13.5	163	25.8
1300	1.5	110	28.0	1300	17.3	187	26.9
1400	10.2	240	27.3	1400	12.3	189	27.2
1500	8.8	211	27.5	1500	8.7	131	29.1
1600	7.5	248	27.2	1600	13.2	154	28.3
1700	9.6	233	27.7	1700	9.4	196	27.4
1800	1.4	244	28.2	1800	13.3	182	26.8
1900	11.0	201	26.2	1900	9.4	212	25.2
2000	4.4	213	23.4	2000	4.1	186	21.8
2100	4.5	210	20.4	2100	3.0	204	18.6
2200	4.5	190	19.3	2200	5.3	220	17.9
2300	6.6	208	19.6	2300	6.5	195	17.5
MAX	11.2	287	28.2		17.3	231	29.1
MIN	1.4	20	16.9		3.0	131	15.1
AVG	6.7	200	22.1		8.9	192	21.8
	MPH	DEG	CENT		MPH	DEG	CENT

28 AUG. '79 (240)

29 AUG. '79 (241)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.5	201	17.4	0	7.6	148	17.9
100	3.9	194	15.9	100	4.9	204	15.6
200	4.1	211	15.2	200	5.5	225	14.8
300	5.3	173	17.8	300	6.9	221	15.7
400	3.0	169	17.4	400	9.4	219	15.8
500	1.9	144	17.0	500	4.9	215	14.6
600	3.5	163	16.8	600	6.7	212	12.7
700	5.3	152	17.9	700	6.6	208	12.1
800	6.3	191	18.1	800	6.5	212	16.1
900	5.3	141	18.6	900	12.2	221	19.2
1000	2.9	141	20.1	1000	12.9	231	19.9
1100	8.2	161	20.2	1100	7.2	219	22.1
1200	11.3	204	21.7	1200	12.4	174	24.3
1300	20.5	140	23.2	1300	16.4	240	23.6
1400	7.4	197	24.9	1400	6.0	226	24.7
1500	10.3	134	23.8	1500	8.6	234	24.9
1600	8.3	182	23.9	1600	9.0	250	25.0
1700	7.5	188	23.5	1700	6.8	235	25.5
1800	5.1	183	22.7	1800	12.6	238	24.1
1900	11.6	116	20.7	1900	8.4	235	23.5
2000	5.3	205	18.2	2000	3.1	219	20.7
2100	6.5	121	17.9	2100	5.2	205	18.1
2200	7.3	180	17.3	2200	4.0	281	18.2
2300	8.5	179	17.7	2300	3.7	291	17.9
MAX	20.5	211	24.9		16.4	291	25.5
MIN	1.9	116	15.2		3.1	148	12.1
AVG	7.0	170	19.5		7.8	223	19.5
	MPH	DEG	CENT		MPH	DEG	CENT

30 AUG. '79 (242)

31 AUG. '79 (243)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station # 2

1 SEPTEMBER 1979 through 30 SEPTEMBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

16 May 80
James B. Mershon, Vice Pres.

GEOKINETICS MET STATION 2
WIND ROSE VALUES

33' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	2	16	13	4	(35)
N N E	3	10	10	3	(26)
N E	3	8	8	3	(22)
E N E	5	4	3	0	(12)
E	1	3	1	0	(5)
E S E	3	1	1	0	(5)
S E	5	4	2	1	(12)
S S E	4	10	5	5	(24)
S	5	23	17	1	(46)
S S W	12	79	106	10	(207)
S W	24	56	59	7	(146)
W S W	20	12	10	8	(50)
W	15	16	12	4	(47)
W N W	8	17	3	3	(31)
N W	4	10	8	0	(22)
N N W	5	17	7	1	(30)

(119)(286)(265)(50)

33' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	0.3	2.2	1.8	0.6	(4.9)
N N E	0.4	1.4	1.4	0.4	(3.6)
N E	0.4	1.1	1.1	0.4	(3.1)
E N E	0.7	0.6	0.4	0.0	(1.7)
E	0.1	0.4	0.1	0.0	(0.7)
E S E	0.4	0.1	0.1	0.0	(0.7)
S E	0.7	0.6	0.3	0.1	(1.7)
S S E	0.6	1.4	0.7	0.7	(3.3)
S	0.7	3.2	2.4	0.1	(6.4)
S S W	1.7	11.0	14.7	1.4	(28.8)
S W	3.3	7.8	8.2	1.0	(20.3)
W S W	2.8	1.7	1.4	1.1	(6.9)
W	2.1	2.2	1.7	0.6	(6.5)
W N W	1.1	2.4	0.4	0.4	(4.3)
N W	0.6	1.4	1.1	0.0	(3.1)
N N W	0.7	2.4	1.0	0.1	(4.2)

(16.5)(39.7)(36.8)(6.9)

FROM 244 0 THRU 273 2300 FOR 720 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.5	259	13.4	0	6.9	219	15.7
100	1.2	248	13.0	100	6.7	207	15.4
200	0.3	253	11.8	200	7.1	215	15.9
300	1.0	175	12.6	300	6.9	196	15.8
400	1.2	250	12.8	400	6.5	216	15.3
500	1.3	248	10.2	500	7.1	187	14.8
600	2.3	256	9.7	600	8.0	203	14.2
700	2.2	234	9.8	700	7.0	214	14.7
800	3.7	205	14.4	800	5.9	194	17.6
900	2.4	345	18.7	900	5.8	171	22.2
1000	8.2	44	20.7	1000	6.3	184	23.0
1100	5.2	32	23.2	1100	6.5	266	23.8
1200	11.9	3	24.7	1200	7.1	206	25.3
1300	4.7	41	27.3	1300	17.8	198	27.2
1400	9.4	306	25.8	1400	12.6	239	25.6
1500	6.2	158	28.7	1500	12.0	273	25.8
1600	7.0	136	28.9	1600	7.4	228	26.9
1700	11.2	218	27.2	1700	16.5	241	25.7
1800	6.7	173	27.0	1800	3.5	135	26.5
1900	7.0	205	25.5	1900	8.8	215	24.8
2000	3.7	213	22.3	2000	3.8	239	22.3
2100	4.3	224	19.0	2100	4.4	203	19.7
2200	5.7	218	18.0	2200	4.8	204	18.8
2300	5.6	227	16.7	2300	4.0	217	17.4
MAX	11.9	345	28.9		17.8	273	27.2
MIN	0.3	3	9.7		3.5	135	14.2
AVG	4.7	195	19.2		7.6	211	20.6
	MPH	DEG	CENT		MPH	DEG	CENT

1 SEP. '79 (244)

2 SEP. '79 (245)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	3.8	208	17.7	0	4.6	188	19.5
100	5.6	214	16.5	100	7.6	229	18.7
200	4.8	212	16.9	200	5.6	209	17.7
300	2.9	202	17.4	300	8.7	205	15.9
400	9.0	253	14.7	400	7.2	208	15.4
500	8.5	231	14.4	500	7.2	219	14.5
600	6.1	218	13.8	600	7.4	211	14.8
700	7.3	215	15.6	700	7.8	196	14.9
800	5.8	184	20.4	800	7.6	211	17.6
900	5.9	152	23.5	900	7.6	191	22.3
1000	9.8	191	25.9	1000	11.6	199	24.1
1100	7.7	191	27.1	1100	3.8	263	25.9
1200	18.5	170	27.6	1200	4.6	179	27.6
1300	16.9	127	28.6	1300	12.3	246	27.0
1400	9.2	151	29.5	1400	3.3	149	28.8
1500	7.0	167	29.3	1500	8.9	202	27.9
1600	17.3	204	28.9	1600	11.4	260	27.9
1700	20.2	212	28.1	1700	13.9	262	27.2
1800	5.5	209	27.1	1800	9.2	266	27.3
1900	10.1	206	26.0	1900	5.1	225	25.5
2000	3.3	33	22.4	2000	3.9	226	22.1
2100	5.8	170	20.6	2100	6.9	208	19.8
2200	3.7	177	20.1	2200	8.8	202	18.5
2300	5.3	216	18.9	2300	7.3	222	18.3
MAX	20.2	253	29.5		13.9	266	28.8
MIN	2.9	33	13.8		3.3	149	14.5
AVG	8.3	188	22.1		7.6	216	21.6
	MPH	DEG	CENT		MPH	DEG	CENT

3 SEP. '79 (246)

4 SEP. '79 (247)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.2	212	17.3	0	8.6	200	17.7
100	10.1	208	17.5	100	8.2	310	17.2
200	10.9	198	16.4	200	9.7	216	16.1
300	8.1	201	16.6	300	8.2	214	14.3
400	1.1	290	14.0	400	7.8	207	14.3
500	5.1	233	14.3	500	8.4	210	14.0
600	7.7	204	16.1	600	9.3	207	14.4
700	7.8	221	14.7	700	7.6	211	14.4
800	1.8	226	17.3	800	6.8	211	17.6
900	3.8	213	21.9	900	2.2	273	21.0
1000	2.6	198	25.5	1000	5.0	278	22.9
1100	4.1	354	26.4	1100	4.4	291	24.0
1200	5.6	283	27.2	1200	4.2	332	27.4
1300	11.3	340	28.2	1300	6.3	345	27.6
1400	6.6	298	28.4	1400	6.9	285	29.3
1500	7.4	346	30.9	1500	5.3	241	30.8
1600	3.4	36	30.3	1600	4.5	326	30.8
1700	8.7	156	30.9	1700	2.6	345	29.3
1800	7.6	355	28.8	1800	2.4	280	28.8
1900	5.1	254	27.4	1900	6.8	40	27.3
2000	4.0	209	23.6	2000	4.1	172	24.2
2100	6.0	206	21.6	2100	7.8	189	21.1
2200	8.8	205	19.7	2200	7.2	201	20.0
2300	9.1	201	18.8	2300	6.6	208	19.5
MAX	11.3	355	30.9		9.7	345	30.8
MIN	1.1	36	14.0		2.2	40	14.0
AVG	6.5	235	22.2		6.3	241	21.8
	MPH	DEG	CENT		MPH	DEG	CENT

5 SEP. '79 (248)

6 SEP. '79 (249)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.7	200	18.1	0	6.0	216	19.7
100	10.3	208	17.2	100	5.3	212	19.2
200	9.1	214	17.5	200	8.5	220	19.0
300	10.3	204	17.1	300	7.0	198	19.7
400	7.8	213	16.1	400	5.0	221	19.1
500	7.3	211	15.1	500	6.2	204	17.7
600	8.6	199	15.7	600	7.2	206	18.3
700	9.1	199	16.0	700	8.7	208	19.2
800	4.4	207	19.5	800	5.2	199	20.0
900	4.1	5	24.2	900	3.6	201	24.8
1000	4.8	316	25.1	1000	4.0	181	26.6
1100	8.1	10	25.4	1100	4.7	235	29.1
1200	10.5	340	28.5	1200	3.1	69	30.5
1300	4.0	332	27.3	1300	9.5	305	28.2
1400	4.3	41	32.1	1400	7.3	348	28.7
1500	8.1	162	31.5	1500	16.8	243	29.1
1600	4.4	133	32.0	1600	12.1	227	30.2
1700	8.3	213	28.4	1700	6.5	225	30.1
1800	4.8	272	29.4	1800	9.2	215	27.8
1900	6.4	245	27.7	1900	11.4	235	26.9
2000	4.9	212	24.5	2000	6.2	229	25.5
2100	7.0	195	21.9	2100	4.3	216	23.7
2200	6.1	203	20.8	2200	3.8	214	21.3
2300	6.3	219	20.2	2300	8.4	210	20.5
MAX	10.5	340	32.1		16.8	348	30.5
MIN	4.0	5	15.1		3.1	69	17.7
AVG	7.0	198	23.0		7.1	221	24.0
	MPH	DEG	CENT		MPH	DEG	CENT

7 SEP. '79 (250)

8 SEP. '79 (251)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.5	202	20.9	0	1.4	153	15.0
100	7.8	278	19.6	100	4.3	216	17.5
200	1.5	211	17.0	200	9.5	192	17.4
300	2.3	145	15.6	300	14.4	152	18.6
400	4.4	204	18.3	400	6.9	177	18.2
500	7.9	224	18.5	500	6.1	180	17.6
600	7.8	218	18.0	600	5.7	193	16.6
700	8.2	266	19.3	700	4.4	186	16.6
800	2.2	114	19.3	800	0.9	339	17.7
900	6.9	208	25.2	900	1.5	104	19.4
1000	6.6	2	26.1	1000	6.9	166	23.1
1100	9.1	264	25.4	1100	16.3	226	25.3
1200	5.8	194	28.2	1200	6.6	266	25.0
1300	6.0	102	27.3	1300	6.1	289	27.0
1400	2.8	291	29.5	1400	7.8	238	26.5
1500	14.2	297	26.6	1500	5.1	239	27.7
1600	6.9	298	26.5	1600	12.4	268	26.7
1700	5.4	291	23.5	1700	13.4	239	27.0
1800	4.8	351	23.8	1800	6.4	319	25.5
1900	6.9	351	23.4	1900	8.0	358	23.7
2000	3.4	328	20.6	2000	1.8	73	22.0
2100	4.4	348	17.9	2100	5.1	354	20.7
2200	2.6	275	16.3	2200	7.3	297	19.6
2300	0.6	198	14.5	2300	3.6	313	16.8
MAX	14.2	351	29.5		16.3	358	27.7
MIN	0.6	2	14.5		0.9	73	15.0
AVG	5.6	236	21.7		6.7	231	21.3
	MPH	DEG	CENT		MPH	DEG	CENT

9 SEP. '79 (252)

10 SEP. '79 (253)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.2	250	17.2	0	2.9	270	14.4
100	8.9	229	16.8	100	4.3	326	13.8
200	3.6	198	13.8	200	7.0	268	12.5
300	2.2	201	12.9	300	6.1	278	11.8
400	8.3	216	12.1	400	6.3	268	11.9
500	7.4	203	11.2	500	3.2	287	10.7
600	9.2	227	11.2	600	2.3	220	6.2
700	9.0	212	11.1	700	1.6	243	4.5
800	7.0	200	14.3	800	0.3	222	10.9
900	6.7	224	16.0	900	4.2	32	13.4
1000	1.1	242	19.7	1000	6.2	7	15.4
1100	0.8	353	23.9	1100	6.3	11	17.3
1200	4.3	345	23.4	1200	11.1	25	17.8
1300	4.3	331	25.4	1300	5.3	81	19.9
1400	3.1	357	27.6	1400	6.7	261	19.4
1500	12.2	293	25.7	1500	0.0	331	23.0
1600	8.9	322	25.8	1600	6.9	354	22.1
1700	6.6	279	25.0	1700	11.7	35	21.6
1800	12.1	298	26.5	1800	7.6	3	20.9
1900	12.9	260	24.9	1900	5.0	46	19.0
2000	15.8	258	22.9	2000	0.7	240	14.7
2100	5.2	310	20.5	2100	2.3	226	14.6
2200	2.7	264	17.9	2200	0.9	248	12.5
2300	5.0	260	16.9	2300	1.6	239	10.0
MAX	15.8	357	27.6		11.7	354	23.0
MIN	0.8	198	11.1		0.0	3	4.5
AVG	6.6	264	19.3		4.6	188	14.9
	MPH	DEG	CENT		MPH	DEG	CENT

11 SEP. '79 (254)

12 SEP. '79 (255)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.2	217	9.7	0	8.3	39	9.7
100	3.0	226	8.6	100	4.3	22	8.6
200	10.1	210	8.9	200	3.7	327	7.6
300	9.4	207	8.1	300	5.3	329	7.3
400	8.7	208	7.7	400	4.1	10	6.1
500	7.5	214	6.7	500	5.9	354	6.0
600	9.0	208	6.6	600	4.6	325	5.0
700	8.3	200	6.1	700	1.4	341	4.0
800	7.5	208	8.3	800	4.5	29	6.2
900	3.2	232	11.1	900	6.1	9	8.1
1000	2.9	280	14.0	1000	7.2	13	9.6
1100	5.1	15	15.4	1100	12.4	346	11.4
1200	1.5	50	18.9	1200	8.6	337	12.3
1300	1.5	60	18.4	1300	17.3	9	13.9
1400	4.0	50	19.8	1400	9.1	11	15.5
1500	10.2	62	19.3	1500	13.3	3	16.7
1600	9.4	35	19.9	1600	8.7	341	17.7
1700	6.2	51	20.8	1700	7.1	7	17.7
1800	14.9	28	18.1	1800	11.1	24	17.2
1900	11.6	57	16.7	1900	8.9	9	16.0
2000	14.3	53	15.4	2000	1.2	293	12.7
2100	10.7	28	13.9	2100	1.2	222	10.1
2200	14.3	49	12.5	2200	0.8	232	11.1
2300	12.9	25	11.1	2300	10.6	27	13.1
MAX	14.9	280	20.8		17.3	354	17.7
MIN	1.5	15	6.1		0.8	3	4.0
AVG	8.1	124	13.2		6.9	152	11.0
	MPH	DEG	CENT		MPH	DEG	CENT

13 SEP. '79 (256)

14 SEP. '79 (257)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.8	217	7.2	0	8.7	196	11.2
100	0.0	247	8.9	100	7.5	202	10.4
200	1.7	234	9.3	200	12.4	208	11.3
300	1.2	281	9.2	300	8.0	206	10.2
400	4.8	205	5.0	400	8.7	218	10.4
500	2.5	218	4.9	500	5.4	216	11.1
600	2.7	214	4.1	600	6.5	216	8.8
700	9.5	202	4.0	700	8.5	207	7.5
800	8.0	180	6.8	800	6.6	205	11.8
900	1.4	267	13.0	900	5.4	202	17.2
1000	4.8	71	15.3	1000	3.7	237	19.1
1100	2.1	143	17.9	1100	6.0	355	22.3
1200	6.0	21	19.4	1200	4.8	356	23.4
1300	6.5	336	19.0	1300	5.1	328	23.8
1400	7.6	355	20.6	1400	8.3	308	23.7
1500	3.8	340	21.4	1500	6.5	32	26.0
1600	11.1	8	22.2	1600	4.9	329	25.2
1700	6.1	341	21.9	1700	5.5	315	25.3
1800	10.1	37	21.2	1800	8.3	289	24.1
1900	4.1	4	19.4	1900	1.9	319	22.5
2000	2.8	285	15.1	2000	1.3	268	18.2
2100	0.9	258	13.6	2100	2.2	271	17.7
2200	2.2	236	12.1	2200	0.0	205	13.0
2300	8.4	207	10.6	2300	1.5	245	12.2
MAX	11.1	355	22.2		12.4	356	26.0
MIN	0.0	4	4.0		0.0	32	7.5
AVG	4.6	204	13.4		5.7	247	16.9
	MPH	DEG	CENT		MPH	DEG	CENT

15 SEP. '79 (258)

16 SEP. '79 (259)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.8	214	12.1	0	9.6	230	16.0
100	11.7	212	12.1	100	2.0	200	12.3
200	7.4	207	12.0	200	8.7	217	12.0
300	4.5	207	10.7	300	9.1	222	12.7
400	8.7	209	10.1	400	6.2	210	12.4
500	9.2	206	9.6	500	2.4	231	10.6
600	7.3	200	9.7	600	3.1	213	11.7
700	5.2	206	7.8	700	5.4	211	10.6
800	8.2	204	12.0	800	6.7	206	12.8
900	2.9	256	17.1	900	4.7	220	17.2
1000	1.7	256	19.2	1000	2.6	10	21.7
1100	2.5	32	21.2	1100	3.7	316	22.9
1200	12.3	358	23.0	1200	8.0	246	24.2
1300	11.9	26	24.3	1300	9.3	244	24.5
1400	15.8	43	25.5	1400	1.8	177	27.6
1500	8.1	344	25.8	1500	8.4	227	27.0
1600	14.8	19	26.4	1600	11.5	235	26.0
1700	8.7	22	26.1	1700	8.7	110	25.4
1800	8.5	30	25.1	1800	2.4	125	23.5
1900	5.8	331	23.2	1900	2.3	130	22.5
2000	3.3	289	20.7	2000	5.0	168	20.0
2100	4.5	293	20.4	2100	5.6	195	17.6
2200	4.8	295	20.0	2200	5.9	214	16.7
2300	6.8	255	18.5	2300	8.4	216	16.8
MAX	15.8	358	26.4		11.5	316	27.6
MIN	1.7	19	7.8		1.8	10	10.6
AVG	7.5	196	18.0		5.9	199	18.5
	MPH	DEG	CENT		MPH	DEG	CENT

17 SEP. '79 (260)

18 SEP. '79 (261)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	9.2	199	16.8	0	3.3	128	16.9
100	6.9	201	15.6	100	0.0	218	14.0
200	8.2	199	15.9	200	7.3	215	13.1
300	7.0	218	15.4	300	2.0	227	11.5
400	1.0	191	14.0	400	10.5	207	12.2
500	0.0	65	12.3	500	3.7	200	10.8
600	11.2	189	15.4	600	5.4	265	14.0
700	11.2	204	15.0	700	7.6	224	11.8
800	12.6	192	16.3	800	2.4	264	13.1
900	14.2	195	18.4	900	6.9	233	14.8
1000	12.1	204	20.0	1000	4.2	208	16.0
1100	8.7	195	21.0	1100	5.2	177	18.6
1200	6.3	231	22.8	1200	5.0	93	21.8
1300	11.0	226	24.4	1300	9.1	75	20.1
1400	5.9	286	25.5	1400	7.7	131	21.5
1500	4.7	291	23.7	1500	4.5	89	21.0
1600	4.0	177	22.7	1600	7.7	224	19.5
1700	14.6	195	22.5	1700	4.3	245	21.4
1800	9.1	202	19.0	1800	2.8	61	21.5
1900	2.7	203	19.4	1900	3.4	28	18.9
2000	5.0	208	16.4	2000	9.1	189	16.0
2100	8.3	209	14.9	2100	7.9	215	14.6
2200	9.4	211	14.0	2200	7.5	211	13.0
2300	3.8	164	13.6	2300	8.1	201	12.1
MAX	14.6	291	25.5		10.5	265	21.8
MIN	0.0	65	12.3		0.0	28	10.8
AVG	7.8	202	18.1		5.7	180	16.2
	MPH	DEG	CENT		MPH	DEG	CENT

19 SEP. '79 (262)

20 SEP. '79 (263)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.6	182	10.4	0	5.7	200	14.9
100	1.9	200	10.0	100	7.5	225	14.2
200	7.6	225	10.5	200	6.4	197	14.0
300	5.5	214	10.0	300	6.5	191	13.6
400	9.7	215	9.1	400	7.7	170	13.1
500	10.4	221	9.7	500	9.6	213	12.9
600	5.0	211	8.4	600	7.2	215	13.5
700	4.9	211	8.3	700	6.7	207	14.3
800	5.4	207	9.9	800	2.7	216	14.4
900	5.8	258	14.1	900	3.9	228	16.3
1000	5.3	261	16.7	1000	9.8	184	21.1
1100	6.9	231	19.0	1100	9.1	215	21.7
1200	2.1	320	21.9	1200	3.0	223	23.5
1300	9.9	317	21.6	1300	13.3	257	22.8
1400	1.8	232	23.8	1400	8.4	243	23.2
1500	2.8	295	22.7	1500	9.5	266	25.2
1600	2.2	36	21.5	1600	10.3	274	25.1
1700	4.2	143	23.3	1700	11.5	209	24.1
1800	3.7	155	21.6	1800	8.6	206	23.3
1900	3.4	152	19.1	1900	5.1	228	21.5
2000	4.9	218	16.6	2000	5.8	215	19.0
2100	5.6	204	15.5	2100	6.7	214	16.6
2200	8.0	226	14.6	2200	8.6	208	16.1
2300	7.6	189	14.9	2300	10.5	209	15.7
MAX	10.4	320	23.8		13.3	274	25.2
MIN	1.8	36	8.3		2.7	170	12.9
AVG	5.3	213	15.6		7.7	217	18.3
	MPH	DEG	CENT		MPH	DEG	CENT

21 SEP. '79 (264)

22 SEP. '79 (265)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.7	226	15.6	0	6.5	220	16.4
100	8.1	224	14.2	100	8.6	192	16.7
200	9.0	210	15.7	200	4.7	207	16.5
300	7.8	196	15.1	300	5.0	195	15.8
400	7.5	225	15.1	400	0.8	37	13.0
500	6.3	217	14.5	500	4.9	194	14.6
600	7.2	218	14.2	600	5.6	227	14.8
700	6.3	214	12.0	700	5.3	206	13.4
800	2.3	165	15.2	800	6.5	200	15.2
900	2.9	133	19.1	900	5.3	186	19.6
1000	0.1	222	23.0	1000	4.7	272	21.8
1100	4.7	173	24.0	1100	3.8	166	24.5
1200	6.5	321	24.6	1200	6.8	193	26.0
1300	7.4	355	26.0	1300	8.5	250	23.2
1400	8.3	219	28.0	1400	9.8	235	23.8
1500	14.5	223	25.8	1500	4.7	211	24.4
1600	14.7	221	25.3	1600	15.5	204	24.6
1700	11.9	248	24.8	1700	11.4	235	24.9
1800	11.2	239	23.7	1800	5.5	217	23.7
1900	6.2	205	21.6	1900	3.4	195	21.8
2000	5.4	209	18.3	2000	3.9	198	19.1
2100	5.0	202	17.5	2100	5.5	211	17.3
2200	6.9	206	17.3	2200	8.4	206	16.1
2300	5.0	206	16.8	2300	7.0	212	16.1
MAX	14.7	355	28.0		15.5	272	26.0
MIN	0.1	133	12.0		0.8	37	13.0
AVG	7.2	220	19.5		6.3	203	19.3
	MPH	DEG	CENT		MPH	DEG	CENT

23 SEP. '79 (266)

24 SEP. '79 (267)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.1	204	15.5	0	8.0	252	17.5
100	6.7	204	15.3	100	4.4	195	17.0
200	6.0	225	14.6	200	3.6	184	16.7
300	7.0	207	14.7	300	7.6	223	16.8
400	5.2	220	15.0	400	8.1	210	15.3
500	7.7	201	14.4	500	3.5	217	14.6
600	7.4	184	14.7	600	4.9	204	14.6
700	8.4	199	15.4	700	12.5	161	12.1
800	8.0	206	16.0	800	6.9	188	12.2
900	4.4	231	17.5	900	14.2	162	13.8
1000	2.4	194	23.4	1000	11.8	207	18.0
1100	5.0	210	21.6	1100	7.1	199	20.4
1200	9.6	215	24.0	1200	7.1	177	22.6
1300	7.0	217	24.1	1300	10.3	195	20.3
1400	14.3	217	23.8	1400	16.3	153	21.0
1500	13.9	157	25.3	1500	19.2	246	21.8
1600	7.9	207	24.7	1600	10.1	233	21.6
1700	13.2	227	23.6	1700	18.7	234	21.4
1800	7.1	187	23.7	1800	6.0	177	20.6
1900	3.7	211	22.1	1900	7.7	186	18.8
2000	2.9	209	18.8	2000	6.1	215	17.0
2100	4.2	206	18.4	2100	7.7	162	16.0
2200	4.3	192	16.2	2200	3.5	178	15.3
2300	8.2	186	16.7	2300	6.9	168	14.6
MAX	14.3	231	25.3		19.2	252	22.6
MIN	2.4	157	14.4		3.5	153	12.1
AVG	7.2	205	19.1		8.8	197	17.5
	MPH	DEG	CENT		MPH	DEG	CENT

25 SEP. '79 (268)

26 SEP. '79 (269)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	3.2	181	13.3	0	0.0	253	9.9
100	6.2	223	11.7	100	0.8	270	7.5
200	9.5	226	11.7	200	2.1	232	7.9
300	7.9	226	11.0	300	1.6	236	7.4
400	7.3	223	10.5	400	2.4	241	7.5
500	6.6	210	9.0	500	2.0	233	7.5
600	6.9	200	8.0	600	2.0	219	6.6
700	8.8	208	7.7	700	9.0	208	7.9
800	6.1	207	9.6	800	8.7	189	8.9
900	0.9	79	15.4	900	6.4	226	15.1
1000	0.3	19	17.4	1000	3.2	258	18.2
1100	5.7	348	18.3	1100	3.3	272	19.0
1200	7.8	10	18.7	1200	9.9	316	20.6
1300	13.7	357	20.6	1300	8.6	289	21.3
1400	3.1	282	20.5	1400	5.4	257	21.1
1500	7.8	34	21.4	1500	10.2	281	21.9
1600	2.9	310	22.0	1600	11.4	14	22.8
1700	7.2	80	21.7	1700	0.9	105	23.3
1800	7.9	42	20.3	1800	6.9	61	22.2
1900	3.7	55	17.8	1900	2.8	264	20.4
2000	0.6	167	13.3	2000	5.5	216	17.8
2100	2.3	282	14.0	2100	7.5	207	15.5
2200	1.4	257	11.2	2200	7.0	193	14.3
2300	3.2	281	13.7	2300	8.8	201	13.3
MAX	13.7	357	22.0		11.4	316	23.3
MIN	0.3	10	7.7		0.0	14	6.6
AVG	5.5	188	15.0		5.3	218	14.9
	MPH	DEG	CENT		MPH	DEG	CENT

27 SEP. '79 (270)

28 SEP. '79 (271)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP. 33'
0	5.4	222	14.7	0	8.9	241	13.1
100	5.5	237	13.1	100	12.3	203	12.0
200	7.5	212	10.6	200	9.5	223	12.2
300	0.7	221	9.6	300	10.1	222	11.4
400	2.5	214	10.6	400	8.7	203	11.1
500	3.0	216	9.9	500	8.0	205	10.5
600	7.0	205	9.4	600	9.4	203	9.9
700	7.9	212	8.9	700	9.5	207	9.9
800	2.8	179	9.0	800	7.7	202	11.1
900	4.1	201	15.5	900	5.1	204	16.4
1000	2.3	263	19.0	1000	3.1	267	20.5
1100	3.8	297	19.7	1100	4.1	283	21.6
1200	2.3	14	22.0	1200	6.2	297	22.8
1300	1.8	255	22.6	1300	3.9	329	23.5
1400	2.8	303	23.2	1400	7.9	323	24.5
1500	2.1	320	23.5	1500	9.6	262	23.8
1600	9.5	22	23.6	1600	8.8	3	24.5
1700	7.9	50	22.9	1700	7.0	273	24.0
1800	5.1	32	21.0	1800	5.7	63	23.0
1900	0.6	65	18.0	1900	2.6	155	20.0
2000	2.2	193	15.5	2000	4.0	197	18.2
2100	1.7	290	15.6	2100	4.1	221	16.1
2200	9.2	223	14.5	2200	7.4	210	15.5
2300	9.2	203	14.3	2300	9.6	197	14.9
MAX	9.5	320	23.6		12.3	329	24.5
MIN	0.6	14	8.9		2.6	3	9.9
AVG	4.5	194	16.1		7.2	216	17.1
	MPH	DEG	CENT		MPH	DEG	CENT

29 SEP. '79 (272)

30 SEP. '79 (273)

**GEOKINETICS, INC.
KAMP KEROGEN, UTAH**

Meteorological Station # 2

1 OCTOBER 1979 through 31 OCTOBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

James B. Mershon, Vice Pres.

GEOKINETICS MET STATION 2
WIND ROSE VALUES

33' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	10	13	8	8	(39)
N N E	8	21	12	1	(42)
N E	7	12	5	0	(24)
E N E	6	5	2	1	(14)
E	8	9	1	0	(18)
E S E	4	0	0	0	(4)
S E	3	2	0	2	(7)
S S E	6	4	3	4	(17)
S	11	25	8	9	(53)
S S W	11	71	82	10	(174)
S W	24	59	38	5	(126)
W S W	20	6	5	0	(31)
W	12	23	8	1	(44)
W N W	17	24	13	3	(57)
N W	17	27	11	0	(55)
N N W	12	22	5	0	(39)
	(176)	(323)	(201)	(44)	

33' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	1.3	1.7	1.1	1.1	(5.2)
N N E	1.1	2.8	1.6	0.1	(5.6)
N E	0.9	1.6	0.7	0.0	(3.2)
E N E	0.8	0.7	0.3	0.1	(1.9)
E	1.1	1.2	0.1	0.0	(2.4)
E S E	0.5	0.0	0.0	0.0	(0.5)
S E	0.4	0.3	0.0	0.3	(0.9)
S S E	0.8	0.5	0.4	0.5	(2.3)
S	1.5	3.4	1.1	1.2	(7.1)
S S W	1.5	9.5	11.0	1.3	(23.4)
S W	3.2	7.9	5.1	0.7	(16.9)
W S W	2.7	0.8	0.7	0.0	(4.2)
W	1.6	3.1	1.1	0.1	(5.9)
W N W	2.3	3.2	1.7	0.4	(7.7)
N W	2.3	3.6	1.5	0.0	(7.4)
N N W	1.6	3.0	0.7	0.0	(5.2)
	(23.7)	(43.4)	(27.0)	(5.9)	

FROM 274 0 THRU 304 2300 FOR 744 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	10.3	212	14.5	0	6.2	263	15.8
100	8.8	216	13.6	100	4.4	213	14.8
200	9.0	221	12.4	200	7.1	202	13.9
300	8.6	214	11.7	300	7.3	210	14.6
400	6.4	227	11.0	400	8.0	223	13.9
500	9.5	215	10.2	500	9.7	210	13.0
600	9.6	202	9.9	600	9.4	215	12.9
700	4.4	210	8.5	700	8.4	207	12.8
800	7.3	209	9.9	800	8.3	204	13.6
900	6.4	209	14.7	900	4.0	209	18.2
1000	2.3	306	19.0	1000	7.6	212	21.6
1100	4.8	85	21.8	1100	8.0	293	23.3
1200	1.1	15	23.5	1200	19.9	290	23.7
1300	3.0	354	23.4	1300	11.9	325	25.0
1400	7.6	292	23.5	1400	11.8	267	22.9
1500	7.7	287	23.8	1500	7.7	273	25.1
1600	7.7	296	23.6	1600	15.6	269	25.6
1700	10.3	12	24.2	1700	10.3	273	23.9
1800	4.4	272	23.6	1800	5.4	322	22.9
1900	1.5	206	20.8	1900	7.4	302	21.3
2000	3.5	219	17.7	2000	3.6	230	18.9
2100	9.6	210	16.4	2100	1.0	246	16.5
2200	7.2	223	16.1	2200	4.1	255	17.2
2300	7.8	205	15.1	2300	5.0	220	15.9
MAX	10.3	354	24.2		19.9	325	25.6
MIN	1.1	12	8.5		1.0	202	12.8
AVG	6.6	213	17.0		8.0	247	18.6
	MPH	DEG	CENT		MPH	DEG	CENT

1 OCT. '79 (274)

2 OCT. '79 (275)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.1	245	16.7	0	5.8	217	8.4
100	6.4	219	14.5	100	8.6	205	8.3
200	7.6	230	14.9	200	4.6	213	7.1
300	1.8	243	11.0	300	6.6	212	6.6
400	1.2	267	10.4	400	1.7	225	6.2
500	0.0	2	11.7	500	6.1	214	7.2
600	1.9	283	12.1	600	9.0	209	5.7
700	0.5	236	9.3	700	6.6	210	6.4
800	4.2	80	8.8	800	1.5	265	7.6
900	3.1	84	13.2	900	5.1	276	11.8
1000	6.7	66	15.7	1000	2.3	291	14.4
1100	7.6	8	16.1	1100	1.3	33	17.1
1200	5.7	10	17.4	1200	1.6	340	19.6
1300	6.6	92	20.5	1300	4.3	19	21.5
1400	7.9	326	19.2	1400	4.2	335	22.5
1500	6.3	27	20.5	1500	5.4	216	22.7
1600	9.8	34	21.1	1600	3.1	288	22.1
1700	6.0	38	20.2	1700	3.7	349	21.6
1800	5.2	84	18.8	1800	3.4	37	21.0
1900	3.9	11	15.6	1900	5.0	310	18.6
2000	2.3	18	13.2	2000	2.1	192	13.7
2100	3.2	38	12.1	2100	7.5	205	14.2
2200	1.5	97	10.1	2200	7.8	221	14.1
2300	8.4	211	8.9	2300	7.9	214	13.1
MAX	9.8	326	21.1		9.0	349	22.7
MIN	0.0	2	8.8		1.3	19	5.7
AVG	4.7	123	14.7		4.8	221	13.8
	MPH	DEG	CENT		MPH	DEG	CENT

3 OCT. '79 (276)

4 OCT. '79 (277)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	10.4	210	12.2	0	2.6	220	10.2
100	3.7	234	10.5	100	0.7	174	8.2
200	4.2	210	9.9	200	5.0	205	9.8
300	5.0	216	9.3	300	6.4	205	10.0
400	3.3	224	6.7	400	5.8	206	9.4
500	0.5	3	6.2	500	1.0	232	6.9
600	9.8	203	6.9	600	7.2	209	7.1
700	6.8	219	9.5	700	6.1	213	9.0
800	5.6	212	9.5	800	10.3	209	8.7
900	3.8	235	15.5	900	5.6	224	14.3
1000	9.7	288	16.7	1000	5.7	271	17.5
1100	3.9	261	18.8	1100	6.1	286	18.5
1200	4.4	20	21.8	1200	3.6	328	21.0
1300	2.4	304	22.9	1300	3.9	271	22.2
1400	5.5	266	23.1	1400	3.8	338	25.4
1500	4.5	303	22.6	1500	9.3	28	24.8
1600	1.4	318	24.7	1600	4.5	285	24.2
1700	2.0	54	24.6	1700	7.4	323	24.4
1800	2.9	59	23.5	1800	3.1	352	24.0
1900	0.2	92	17.8	1900	3.4	188	20.1
2000	2.2	220	15.9	2000	6.1	230	16.6
2100	7.8	202	15.1	2100	6.6	214	16.0
2200	8.1	201	14.5	2200	7.1	215	15.7
2300	9.7	224	14.7	2300	7.4	208	14.9
MAX	10.4	318	24.7		10.3	352	25.4
MIN	0.2	3	6.2		0.7	28	6.9
AVG	4.9	199	15.5		5.4	235	15.8
	MPH	DEG	CENT		MPH	DEG	CENT

5 OCT. '79 (278)

6 OCT. '79 (279)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.9	216	15.7	0	9.8	207	14.6
100	7.7	200	14.2	100	7.8	200	15.2
200	8.7	212	13.7	200	7.5	194	14.6
300	7.7	202	13.0	300	2.7	235	13.4
400	7.1	212	12.3	400	1.1	253	10.5
500	10.5	200	11.8	500	8.1	208	13.6
600	8.3	205	12.3	600	8.0	218	13.4
700	9.1	208	11.3	700	8.2	208	11.5
800	5.9	198	12.1	800	6.7	204	12.9
900	5.8	196	17.6	900	2.6	206	18.2
1000	2.2	48	21.8	1000	5.9	284	20.1
1100	4.7	336	21.4	1100	4.0	34	21.7
1200	4.0	305	24.2	1200	8.9	354	22.2
1300	4.6	342	25.3	1300	3.8	292	22.8
1400	10.5	356	26.6	1400	3.0	319	25.0
1500	7.0	24	26.9	1500	8.7	320	23.5
1600	5.6	292	25.8	1600	7.6	297	23.7
1700	5.8	126	26.4	1700	10.0	229	23.2
1800	7.7	248	24.6	1800	10.4	247	21.6
1900	5.9	197	20.5	1900	6.9	234	18.4
2000	5.5	220	17.6	2000	5.7	207	15.9
2100	6.2	217	16.1	2100	7.6	211	14.7
2200	9.1	198	15.6	2200	7.1	215	13.8
2300	9.1	205	15.1	2300	7.7	218	13.6
/							
MAX	10.5	356	26.9		10.4	354	25.0
MIN	2.2	24	11.3		1.1	34	10.5
AVG	6.9	215	18.4		6.7	233	17.4
	MPH	DEG	CENT		MPH	DEG	CENT

7 OCT. '79 (280)

8 OCT. '79 (281)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.8	213	13.4	0	8.1	206	7.6
100	5.8	43	11.0	100	9.1	217	7.5
200	4.0	187	9.6	200	8.5	202	8.0
300	1.1	295	7.3	300	8.5	197	8.7
400	0.6	278	6.7	400	8.9	203	7.6
500	2.3	255	4.3	500	4.4	198	7.0
600	3.3	307	4.7	600	2.2	253	6.2
700	6.0	235	3.0	700	1.4	234	3.8
800	4.3	260	3.9	800	2.7	237	6.6
900	5.6	309	5.8	900	7.6	215	11.9
1000	7.5	299	7.5	1000	5.6	195	17.6
1100	5.5	5	9.7	1100	6.5	286	18.6
1200	5.2	309	11.4	1200	4.8	311	19.2
1300	11.6	294	13.3	1300	5.9	316	19.9
1400	4.3	327	15.7	1400	6.4	342	21.3
1500	5.6	23	16.8	1500	8.1	279	21.8
1600	0.6	32	18.0	1600	6.7	294	21.9
1700	2.0	42	18.0	1700	6.1	338	22.1
1800	3.7	76	16.5	1800	0.7	13	21.7
1900	1.6	16	12.5	1900	0.0	162	16.2
2000	0.4	259	9.5	2000	6.3	218	14.9
2100	2.4	221	9.1	2100	6.7	220	14.6
2200	7.7	211	8.8	2200	6.2	215	13.9
2300	8.9	201	8.1	2300	7.5	213	13.4
MAX	11.6	327	18.0		9.1	342	22.1
MIN	0.4	5	3.0		0.0	13	3.8
AVG	4.5	196	10.2		5.8	232	13.8
	MPH	DEG	CENT		MPH	DEG	CENT

9 OCT. '79 (282)

10 OCT. '79 (283)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.1	200	12.3	0	11.5	211	11.7
100	5.6	206	11.2	100	9.1	208	10.2
200	2.2	253	9.3	200	1.7	207	8.7
300	4.2	206	9.1	300	3.2	212	9.0
400	5.7	197	9.3	400	5.7	208	9.7
500	4.4	203	9.4	500	8.3	203	9.6
600	2.3	215	8.5	600	7.2	209	10.3
700	9.7	217	8.7	700	8.9	195	9.2
800	9.2	206	8.5	800	6.8	208	9.7
900	4.9	210	13.9	900	6.1	226	12.5
1000	9.5	262	17.0	1000	6.6	260	15.2
1100	10.3	275	18.1	1100	3.3	288	16.9
1200	7.1	298	19.6	1200	3.8	5	18.4
1300	6.2	301	20.6	1300	1.9	265	19.0
1400	5.8	325	21.7	1400	3.4	326	20.1
1500	7.4	314	21.0	1500	3.2	351	22.3
1600	6.0	281	22.1	1600	5.6	24	20.5
1700	3.1	277	21.7	1700	11.1	50	20.4
1800	2.2	21	20.9	1800	7.9	33	19.7
1900	4.3	214	17.4	1900	0.1	9	15.8
2000	7.0	228	14.8	2000	1.1	209	12.0
2100	6.3	223	14.0	2100	3.6	196	11.6
2200	8.9	216	13.6	2200	0.8	245	10.8
2300	9.3	213	12.5	2300	9.4	211	10.1
MAX	10.3	325	22.1		11.5	351	22.3
MIN	2.2	21	8.5		0.1	5	8.7
AVG	6.2	232	14.8		5.4	190	13.9
	MPH	DEG	CENT		MPH	DEG	CENT

11 OCT. '79 (284)

12 OCT. '79 (285)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.7	203	10.0	0	4.1	188	12.5
100	8.7	209	10.1	100	4.2	207	11.5
200	9.3	203	8.8	200	5.6	220	13.3
300	8.2	210	8.5	300	6.7	192	13.9
400	6.1	207	8.6	400	5.7	179	12.5
500	8.7	213	8.8	500	4.0	185	12.6
600	1.0	251	7.4	600	6.1	199	13.1
700	3.6	218	7.4	700	4.0	189	12.3
800	0.9	188	8.1	800	3.9	221	11.9
900	1.8	73	15.2	900	4.6	99	11.6
1000	2.6	8	18.3	1000	5.4	30	16.1
1100	4.8	333	18.8	1100	13.2	161	18.8
1200	3.9	299	20.1	1200	14.7	137	17.5
1300	5.1	16	22.5	1300	12.4	133	17.9
1400	5.3	341	21.9	1400	10.5	170	18.0
1500	14.2	282	22.1	1500	16.4	164	19.3
1600	2.3	285	22.8	1600	11.4	161	16.9
1700	6.0	189	20.7	1700	6.7	165	16.0
1800	6.6	200	19.1	1800	5.0	283	16.0
1900	3.2	190	16.0	1900	0.5	282	12.6
2000	4.6	216	14.8	2000	0.8	91	9.9
2100	2.8	227	14.1	2100	3.9	82	9.4
2200	1.7	225	13.4	2200	3.4	217	7.9
2300	3.3	194	13.2	2300	7.7	171	9.0
MAX	14.2	341	22.8		16.4	283	19.3
MIN	0.9	8	7.4		0.5	30	7.9
AVG	5.1	208	14.6		6.7	172	13.8
	MPH	DEG	CENT		MPH	DEG	CENT

13 OCT. '79 (286)

14 OCT. '79 (287)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.8	194	9.0	0	4.2	36	10.9
100	6.1	204	8.4	100	1.8	320	9.4
200	7.0	215	8.0	200	4.7	292	9.0
300	6.0	182	7.9	300	6.4	263	9.2
400	7.8	209	7.8	400	5.1	275	8.1
500	7.0	217	7.6	500	6.5	44	6.1
600	6.4	218	7.2	600	0.0	10	3.5
700	6.9	226	7.9	700	0.5	293	3.8
800	1.1	268	6.1	800	0.8	54	4.3
900	1.9	209	11.6	900	0.2	104	9.1
1000	3.3	219	14.7	1000	9.6	44	9.7
1100	2.1	323	16.3	1100	9.8	31	11.3
1200	4.4	82	19.0	1200	13.1	10	12.3
1300	3.2	292	20.0	1300	16.2	68	13.2
1400	6.6	227	20.4	1400	10.5	60	14.1
1500	8.3	188	20.3	1500	10.7	18	15.0
1600	12.0	217	20.0	1600	5.2	64	14.7
1700	5.0	212	18.9	1700	3.3	317	13.6
1800	10.5	227	17.3	1800	4.3	339	12.6
1900	5.0	213	15.0	1900	0.8	34	8.9
2000	5.8	199	13.1	2000	0.4	112	6.3
2100	6.4	190	12.5	2100	0.0	200	4.9
2200	4.1	299	12.8	2200	1.3	223	6.5
2300	1.4	336	10.8	2300	3.4	217	4.4
MAX	12.0	336	20.4		16.2	339	15.0
MIN	1.1	82	6.1		0.0	10	3.5
AVG	5.6	224	13.0		5.0	143	9.2
	MPH	DEG	CENT		MPH	DEG	CENT

15 OCT. '79 (288)

16 OCT. '79 (289)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.8	201	4.9	0	1.1	227	9.9
100	8.0	203	4.4	100	7.2	203	9.2
200	8.0	218	4.4	200	10.5	200	8.9
300	6.4	204	4.1	300	3.4	234	8.1
400	4.4	205	3.1	400	3.7	219	6.8
500	9.1	212	2.5	500	4.9	215	6.2
600	1.2	221	2.2	600	6.7	201	5.8
700	3.0	187	3.1	700	7.3	205	5.4
800	2.6	273	3.0	800	6.3	225	5.8
900	1.8	254	7.7	900	6.9	223	10.1
1000	4.4	286	9.4	1000	7.2	168	12.9
1100	4.1	264	11.5	1100	7.1	168	14.1
1200	2.7	65	13.8	1200	9.8	190	14.3
1300	4.7	351	15.3	1300	7.1	265	14.0
1400	5.6	316	16.2	1400	17.7	209	15.5
1500	2.9	345	16.1	1500	15.7	207	16.6
1600	4.4	172	16.7	1600	15.9	204	16.2
1700	9.6	240	16.6	1700	14.7	180	15.3
1800	2.8	159	15.3	1800	10.6	200	15.0
1900	2.8	169	14.2	1900	1.7	164	13.3
2000	11.2	228	14.5	2000	9.7	204	14.1
2100	7.9	245	12.9	2100	14.5	190	14.5
2200	8.8	250	12.2	2200	10.7	219	14.3
2300	2.5	267	11.4	2300	15.2	210	12.6
MAX	11.2	351	16.7		17.7	265	16.6
MIN	1.2	65	2.2		1.1	164	5.4
AVG	5.3	231	9.8		9.0	205	11.6
	MPH	DEG	CENT		MPH	DEG	CENT

17 OCT. '79 (290)

18 OCT. '79 (291)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	12.0	214	12.5	0	4.7	244	13.1
100	10.0	203	12.4	100	5.4	208	12.7
200	6.3	190	12.5	200	6.5	312	7.6
300	7.6	214	13.2	300	5.7	318	6.7
400	14.8	193	12.7	400	2.9	266	5.1
500	16.2	187	11.8	500	7.1	277	4.1
600	8.5	215	11.4	600	13.4	290	2.9
700	6.5	197	11.2	700	2.7	309	2.2
800	13.9	203	11.6	800	1.2	136	2.4
900	17.8	176	12.5	900	8.8	293	1.9
1000	20.5	179	13.3	1000	6.2	323	1.2
1100	15.8	178	15.1	1100	2.2	332	1.7
1200	16.2	157	17.2	1200	4.8	313	1.0
1300	19.8	208	17.4	1300	10.1	286	0.4
1400	18.8	207	16.5	1400	2.3	262	0.3
1500	18.5	209	17.6	1500	4.5	187	0.7
1600	16.3	229	16.6	1600	3.2	314	1.2
1700	12.3	185	17.2	1700	2.0	74	1.8
1800	14.5	222	15.3	1800	1.9	96	0.6
1900	18.5	175	14.2	1900	2.0	154	0.3
2000	11.6	185	13.6	2000	3.8	228	0.8
2100	17.7	195	13.6	2100	1.3	80	0.3
2200	12.2	216	13.3	2200	3.3	239	0.8
2300	10.3	214	13.1	2300	1.8	296	0.1
MAX	20.5	229	17.6		13.4	332	13.1
MIN	6.3	157	11.2		1.2	74	0.1
AVG	14.0	198	14.0		4.5	243	2.9
	MPH	DEG	CENT		MPH	DEG	CENT

19 OCT. '79 (292)

20 OCT. '79 (293)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	3.5	254	0.0	0	7.6	215	-1.9
100	3.5	325	-1.2	100	7.2	199	-1.6
200	2.8	293	-1.1	200	8.0	211	-1.7
300	4.8	263	-1.7	300	7.2	220	-2.3
400	3.7	294	-1.2	400	9.9	218	-2.5
500	1.8	337	-1.0	500	7.8	207	-2.4
600	3.5	337	-1.0	600	0.4	162	-3.4
700	4.0	304	-1.5	700	5.1	211	-3.2
800	1.3	328	-1.6	800	5.4	171	-2.4
900	1.7	308	-2.1	900	4.3	169	0.9
1000	2.6	317	-0.1	1000	2.8	220	3.3
1100	4.4	344	0.2	1100	8.8	185	5.3
1200	3.9	333	2.5	1200	9.8	183	6.7
1300	6.5	330	2.7	1300	4.8	177	7.8
1400	5.1	298	3.0	1400	11.4	171	10.3
1500	8.7	353	4.5	1500	5.8	266	8.5
1600	1.8	352	2.8	1600	2.6	353	8.5
1700	2.5	317	2.8	1700	6.0	44	8.3
1800	3.0	8	3.2	1800	3.3	142	6.5
1900	0.8	245	0.0	1900	1.9	196	4.7
2000	1.5	245	-1.6	2000	4.9	236	2.7
2100	1.6	191	-1.8	2100	3.7	210	2.0
2200	0.9	180	-2.6	2200	3.8	231	1.2
2300	8.3	199	-1.9	2300	2.8	226	1.3
MAX	8.7	353	4.5		11.4	353	10.3
MIN	0.8	8	-2.6		0.4	44	-3.4
AVG	3.4	281	0.1		5.6	201	2.4
	MPH	DEG	CENT		MPH	DEG	CENT

21 OCT. '79 (294)

22 OCT. '79 (295)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.8	215	2.4	0	5.8	213	3.6
100	3.4	219	2.1	100	6.7	212	4.2
200	4.5	193	2.3	200	0.6	209	1.0
300	3.8	218	1.7	300	3.3	196	2.8
400	4.2	188	1.6	400	1.0	110	1.3
500	5.8	206	1.2	500	0.9	257	1.3
600	7.7	220	1.3	600	1.7	16	0.8
700	3.9	213	1.1	700	0.0	183	0.6
800	1.5	107	0.5	800	3.9	197	1.9
900	4.6	224	4.6	900	3.0	181	4.0
1000	3.7	286	7.0	1000	0.7	346	7.0
1100	4.3	12	7.9	1100	1.2	129	8.8
1200	3.1	9	10.0	1200	6.6	35	8.8
1300	3.8	332	9.6	1300	4.7	278	10.6
1400	5.1	23	11.1	1400	5.8	348	12.2
1500	6.4	12	11.5	1500	5.6	306	13.0
1600	7.8	320	9.8	1600	2.6	354	14.1
1700	2.9	355	9.7	1700	7.3	35	13.2
1800	3.8	270	8.0	1800	3.0	22	10.9
1900	0.0	240	5.9	1900	0.3	259	6.8
2000	0.1	177	3.8	2000	0.6	160	4.8
2100	2.8	189	3.5	2100	0.9	220	4.4
2200	0.0	219	2.6	2200	4.9	224	6.2
2300	7.3	203	3.6	2300	7.3	223	7.0
MAX	7.8	355	11.5		7.3	354	14.1
MIN	0.0	9	0.5		0.0	16	0.6
AVG	4.0	194	5.1		3.3	196	6.2
	MPH	DEG	CENT		MPH	DEG	CENT

23 OCT. '79 (296)

24 OCT. '79 (297)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.0	216	6.7	0	6.1	190	11.3
100	5.6	215	6.0	100	6.5	188	11.2
200	4.7	208	5.8	200	5.5	198	10.4
300	6.2	203	5.7	300	6.6	213	10.1
400	7.1	205	6.1	400	5.0	207	9.1
500	4.6	211	5.4	500	4.3	231	8.4
600	7.9	198	5.8	600	4.0	300	8.0
700	6.7	207	5.6	700	5.4	202	7.7
800	3.5	202	6.4	800	8.8	207	8.3
900	0.5	188	8.8	900	9.6	208	11.4
1000	4.8	165	13.5	1000	8.1	296	12.4
1100	6.7	150	15.3	1100	2.8	320	13.4
1200	5.7	212	17.4	1200	6.0	339	14.1
1300	4.0	224	17.2	1300	9.0	347	15.5
1400	6.9	304	17.2	1400	6.8	339	13.3
1500	12.3	157	18.5	1500	4.8	280	14.7
1600	1.9	339	18.8	1600	10.2	335	15.3
1700	12.2	191	17.2	1700	5.8	302	13.2
1800	5.0	185	15.2	1800	7.8	353	12.5
1900	6.4	182	12.9	1900	2.1	336	9.4
2000	7.9	215	12.1	2000	0.7	307	10.7
2100	8.3	202	11.4	2100	0.8	308	10.6
2200	5.9	191	11.9	2200	0.8	300	10.0
2300	11.0	197	12.1	2300	0.7	297	9.0
MAX	12.3	339	18.8		10.2	353	15.5
MIN	0.5	150	5.4		0.7	188	7.7
AVG	6.3	207	11.4		5.3	275	11.3
	MPH	DEG	CENT		MPH	DEG	CENT

25 OCT. '79 (298)

26 OCT. '79 (299)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.8	284	7.9	0	4.6	196	0.0
100	0.7	308	10.8	100	6.2	193	1.0
200	0.6	288	10.5	200	8.5	214	0.5
300	0.4	301	7.8	300	6.5	238	2.6
400	0.8	291	6.8	400	6.0	218	1.0
500	0.8	300	5.6	500	7.2	200	1.1
600	0.7	277	1.8	600	6.4	199	1.6
700	0.8	306	3.6	700	4.8	233	4.2
800	4.6	263	3.5	800	3.3	175	8.0
900	1.7	174	6.8	900	4.6	220	11.0
1000	4.6	76	8.1	1000	5.4	306	7.1
1100	2.6	320	9.5	1100	7.2	319	7.0
1200	1.3	337	11.4	1200	5.4	21	11.6
1300	7.8	18	11.4	1300	4.6	321	11.5
1400	5.5	284	10.0	1400	0.9	355	13.9
1500	4.2	86	10.7	1500	6.5	304	11.4
1600	4.0	28	9.2	1600	2.2	331	10.3
1700	1.3	85	5.4	1700	0.9	91	6.1
1800	3.4	167	3.8	1800	0.6	129	5.1
1900	2.0	217	3.0	1900	4.4	276	5.2
2000	0.5	69	1.6	2000	5.6	290	5.0
2100	4.7	233	4.7	2100	5.1	277	4.3
2200	7.7	205	1.4	2200	4.3	68	3.4
2300	8.7	205	0.7	2300	1.6	314	0.7
MAX	8.7	337	11.4		8.5	355	13.9
MIN	0.4	18	0.7		0.6	21	0.0
AVG	2.9	213	6.5		4.7	229	5.6
	MPH	DEG	CENT		MPH	DEG	CENT

27 OCT. '79 (300)

28 OCT. '79 (301)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.4	47	0.3	0	8.0	334	-2.5
100	1.1	181	0.3	100	8.8	308	-4.7
200	4.0	29	0.0	200	6.0	269	-5.8
300	3.4	33	-0.5	300	8.7	87	-0.1
400	5.6	32	-0.3	400	7.8	304	-0.8
500	4.7	22	-0.6	500	5.3	311	-0.3
600	2.0	38	-0.8	600	2.8	296	-0.8
700	2.3	335	-0.2	700	4.1	331	-1.3
800	4.7	2	1.1	800	9.7	23	-1.7
900	5.9	346	0.8	900	19.1	353	-1.6
1000	9.4	358	0.7	1000	12.0	351	0.2
1100	6.6	345	0.6	1100	11.1	33	0.8
1200	5.9	358	1.1	1200	16.4	358	1.2
1300	12.5	355	0.6	1300	17.8	11	3.2
1400	14.7	350	-0.4	1400	9.9	49	4.1
1500	9.4	304	-0.7	1500	6.7	27	-0.7
1600	13.4	13	-0.9	1600	6.6	41	-2.1
1700	11.9	14	-1.4	1700	3.9	22	-3.8
1800	17.9	355	-2.2	1800	2.5	82	-5.4
1900	10.9	11	-2.2	1900	1.7	223	-8.1
2000	7.8	352	-2.4	2000	1.5	251	-6.4
2100	9.2	334	-2.0	2100	1.3	243	-9.6
2200	8.8	307	-1.8	2200	4.0	214	-9.4
2300	8.7	345	-1.7	2300	3.7	207	-9.8
MAX	17.9	358	1.1		19.1	358	4.1
MIN	1.1	2	-2.4		1.3	11	-9.8
AVG	7.6	203	-0.5		7.5	197	-2.7
	MPH	DEG	CENT		MPH	DEG	CENT

29 OCT. '79 (302)

30 OCT. '79 (303)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'
0	2.2	254	-10.1
100	0.8	285	-10.9
200	3.1	218	-10.5
300	1.0	233	-12.1
400	1.5	236	-12.6
500	1.5	213	-10.7
600	0.9	223	-12.6
700	1.2	229	-10.1
800	5.9	212	-6.5
900	4.3	323	-2.4
1000	9.3	26	-0.7
1100	6.8	28	0.7
1200	3.6	50	3.9
1300	9.3	18	1.8
1400	8.2	60	0.9
1500	4.2	16	1.2
1600	4.6	49	-1.8
1700	0.9	58	-5.5
1800	1.4	243	-7.2
1900	1.5	257	-7.4
2000	1.1	326	-7.5
2100	0.0	255	-9.0
2200	2.7	196	-10.1
2300	8.9	209	-9.9
MAX	9.3	326	3.9
MIN	0.0	16	-12.6
AVG	3.5	176	-6.2
	MPH	DEG	CENT

31 OCT. '79 (304)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station # 2

1 NOVEMBER 1979 through 30 NOVEMBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

James B. Mershon, Vice Pres.

GEOKINETICS MET STATION 2
WIND ROSE VALUES

33' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	15	11	4	0	(30)
N N E	9	14	2	0	(25)
N E	6	24	3	0	(33)
E N E	2	7	0	0	(9)
E	6	2	0	0	(8)
E S E	2	0	0	0	(2)
S E	6	1	0	0	(7)
S S E	8	13	5	0	(26)
S	12	19	10	2	(43)
S S W	34	93	71	2	(200)
S W	42	46	15	0	(103)
W S W	32	15	4	3	(54)
W	32	17	8	0	(57)
W N W	11	22	8	2	(43)
N W	10	28	8	1	(47)
N N W	8	17	7	1	(33)

(235) (329) (145) (11)

33' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	2.1	1.5	0.6	0.0	(4.2)
N N E	1.3	1.9	0.3	0.0	(3.5)
N E	0.8	3.3	0.4	0.0	(4.6)
E N E	0.3	1.0	0.0	0.0	(1.3)
E	0.8	0.3	0.0	0.0	(1.1)
E S E	0.3	0.0	0.0	0.0	(0.3)
S E	0.8	0.1	0.0	0.0	(1.0)
S S E	1.1	1.8	0.7	0.0	(3.6)
S	1.7	2.6	1.4	0.3	(6.0)
S S W	4.7	12.9	9.9	0.3	(27.8)
S W	5.8	6.4	2.1	0.0	(14.3)
W S W	4.4	2.1	0.6	0.4	(7.5)
W	4.4	2.4	1.1	0.0	(7.9)
W N W	1.5	3.1	1.1	0.3	(6.0)
N W	1.4	3.9	1.1	0.1	(6.5)
N N W	1.1	2.4	1.0	0.1	(4.6)

(32.6) (45.7) (20.1) (1.5)

FROM 305 0 THRU 334 2300 FOR 720 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.9	226	-10.1	0	2.1	243	-8.2
100	7.5	215	-9.5	100	6.8	210	-7.5
200	7.3	200	-10.0	200	8.7	200	-8.1
300	8.9	208	-10.5	300	7.9	204	-8.5
400	5.4	207	-10.8	400	7.8	207	-8.1
500	6.9	204	-10.6	500	3.1	214	-8.8
600	8.6	208	-10.5	600	6.5	205	-9.4
700	7.1	204	-8.8	700	6.6	220	-6.6
800	5.5	198	-4.0	800	1.4	206	-1.3
900	3.2	147	2.8	900	3.7	249	0.3
1000	0.0	297	7.1	1000	3.0	212	3.5
1100	1.1	337	8.9	1100	4.3	147	6.8
1200	5.6	259	2.2	1200	3.4	219	7.3
1300	2.3	11	3.6	1300	3.6	167	8.4
1400	5.2	51	2.1	1400	4.8	174	6.8
1500	3.1	44	1.2	1500	1.9	54	7.5
1600	1.9	352	-0.6	1600	2.2	213	4.5
1700	2.2	325	-2.7	1700	2.5	274	0.0
1800	0.0	195	-4.1	1800	1.1	233	-2.7
1900	4.5	221	-4.8	1900	4.2	215	-2.2
2000	6.4	206	-4.9	2000	7.3	209	-3.2
2100	6.0	197	-5.6	2100	5.7	217	-3.1
2200	7.0	206	-6.5	2200	6.6	202	-4.7
2300	7.2	218	-5.6	2300	7.5	207	-4.3
MAX	8.9	352	8.9		8.7	274	8.4
MIN	0.0	11	-10.8		1.1	54	-9.4
AVG	4.8	206	-3.8		4.7	204	-1.7
	MPH	DEG	CENT		MPH	DEG	CENT

1 NOV. '79 (305)

2 NOV. '79 (306)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.8	198	-4.2	0	0.9	350	-0.9
100	4.4	202	-3.3	100	5.1	219	2.7
200	3.1	224	-3.3	200	6.7	236	2.5
300	4.2	183	-2.2	300	4.7	230	1.1
400	4.7	168	-1.1	400	0.3	95	-1.9
500	6.9	177	-0.5	500	1.9	250	-0.4
600	3.3	147	-1.5	600	6.1	267	1.2
700	1.2	124	-0.9	700	10.0	255	-2.2
800	2.8	213	1.6	800	4.2	188	0.9
900	9.6	191	4.0	900	2.4	338	2.2
1000	5.0	175	6.1	1000	11.9	225	7.8
1100	8.4	189	6.0	1100	13.9	247	7.2
1200	11.1	187	5.7	1200	7.3	272	5.8
1300	1.5	306	9.8	1300	9.1	245	7.2
1400	7.0	166	9.2	1400	12.1	253	5.3
1500	10.0	199	8.5	1500	7.7	240	5.6
1600	9.9	207	6.6	1600	7.3	222	5.2
1700	4.4	193	3.9	1700	4.7	234	2.9
1800	5.5	245	3.3	1800	5.5	215	1.5
1900	3.7	248	2.3	1900	5.9	210	0.6
2000	8.1	170	4.0	2000	8.8	193	-0.5
2100	11.9	205	4.7	2100	5.7	211	-1.2
2200	4.2	216	2.4	2200	7.7	214	-0.8
2300	0.0	122	-1.7	2300	8.0	199	-1.8
MAX	11.9	306	9.8		13.9	350	7.8
MIN	0.0	122	-4.2		0.3	95	-2.2
AVG	5.7	194	2.5		6.6	234	2.1
	MPH	DEG	CENT		MPH	DEG	CENT

3 NOV. '79 (307)

4 NOV. '79 (308)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.5	219	-3.3	0	4.5	219	-1.0
100	8.0	200	-2.9	100	2.5	260	-1.4
200	7.5	213	-2.4	200	2.9	207	-2.0
300	10.2	201	-2.9	300	1.7	253	-2.4
400	9.4	207	-3.0	400	4.8	197	-1.3
500	9.2	207	-3.1	500	5.0	232	-1.4
600	7.0	205	-3.5	600	0.5	129	-3.1
700	8.0	196	-2.1	700	1.3	237	-1.6
800	5.9	212	1.4	800	0.7	209	3.4
900	5.4	261	4.0	900	2.9	5	5.3
1000	5.7	288	4.2	1000	2.2	2	8.7
1100	3.9	308	5.6	1100	3.3	32	9.9
1200	4.7	316	6.5	1200	6.1	289	7.6
1300	2.8	21	9.4	1300	7.3	315	6.6
1400	4.5	4	8.6	1400	6.9	300	5.8
1500	3.2	56	8.0	1500	5.0	40	5.8
1600	3.9	37	5.7	1600	2.3	70	4.4
1700	0.4	31	1.3	1700	0.1	40	1.4
1800	0.0	264	-0.4	1800	2.9	259	1.6
1900	2.3	171	0.8	1900	2.9	203	1.6
2000	6.1	203	0.7	2000	5.8	197	2.5
2100	4.8	213	0.8	2100	2.9	285	2.3
2200	7.2	207	0.2	2200	6.3	225	2.5
2300	6.4	209	-0.7	2300	1.9	238	1.8
MAX	10.2	316	9.4		7.3	315	9.9
MIN	0.0	4	-3.5		0.1	2	-3.1
AVG	5.4	185	1.4		3.4	185	2.4
	MPH	DEG	CENT		MPH	DEG	CENT

5 NOV. '79 (309)

6 NOV. '79 (310)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.7	9	0.7	0	6.6	208	0.0
100	1.5	253	0.8	100	5.5	195	-0.6
200	0.0	208	0.7	200	5.2	212	0.4
300	1.6	194	0.8	300	4.3	216	0.5
400	3.0	223	2.6	400	4.1	206	0.6
500	3.3	235	3.4	500	0.1	274	0.8
600	3.9	186	3.7	600	0.0	4	0.2
700	3.9	247	2.6	700	1.3	212	0.4
800	5.2	209	5.5	800	3.7	203	1.5
900	5.6	196	5.1	900	2.9	13	6.0
1000	7.6	193	6.0	1000	1.0	291	4.9
1100	4.3	260	6.1	1100	3.9	33	6.1
1200	4.8	291	4.6	1200	5.3	44	5.6
1300	3.5	182	6.6	1300	5.4	258	7.4
1400	3.0	74	7.1	1400	6.1	40	8.5
1500	3.2	89	5.6	1500	0.9	140	8.5
1600	2.6	149	5.2	1600	3.7	342	6.3
1700	5.5	203	3.1	1700	0.1	257	2.2
1800	6.1	200	2.2	1800	5.6	215	2.4
1900	7.4	196	1.7	1900	5.4	216	1.6
2000	8.3	206	1.5	2000	6.5	270	3.3
2100	8.0	202	0.9	2100	5.8	258	2.5
2200	1.0	266	-0.4	2200	6.7	214	0.5
2300	6.1	204	-0.4	2300	6.2	201	-0.2
MAX	8.3	291	7.1		6.7	342	8.5
MIN	0.0	9	-0.4		0.0	4	-0.6
AVG	4.2	195	3.2		4.0	188	2.9
	MPH	DEG	CENT		MPH	DEG	CENT

7 NOV. '79 (311)

8 NOV. '79 (312)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.5	205	-0.6	0	2.1	21	-0.7
100	7.8	214	-0.9	100	3.6	45	-1.0
200	7.3	201	-1.5	200	5.4	53	-2.0
300	7.5	205	-0.8	300	4.0	58	-2.7
400	7.2	203	-1.7	400	1.5	80	-4.1
500	7.6	213	-2.1	500	0.0	127	-5.0
600	6.8	199	-2.1	600	3.9	204	-5.0
700	6.9	208	-0.5	700	4.9	209	-4.4
800	5.5	208	1.1	800	6.5	178	-0.9
900	4.1	234	4.5	900	7.2	180	1.5
1000	7.6	309	4.1	1000	6.5	252	2.0
1100	9.9	265	4.4	1100	6.4	318	3.2
1200	8.3	285	5.5	1200	8.0	334	3.4
1300	15.3	336	5.2	1300	8.3	279	4.0
1400	6.3	334	5.1	1400	6.3	276	4.4
1500	7.6	308	4.8	1500	4.9	320	4.5
1600	4.1	319	4.2	1600	3.4	319	3.6
1700	6.7	286	3.5	1700	5.7	203	0.3
1800	6.8	306	2.3	1800	4.8	217	-0.5
1900	6.5	292	1.1	1900	6.7	216	-0.8
2000	4.7	329	-0.2	2000	7.8	218	-0.9
2100	4.5	314	0.3	2100	5.5	204	-1.7
2200	3.0	336	-0.1	2200	5.4	210	-2.2
2300	2.6	330	-0.3	2300	5.0	183	-2.1
MAX	15.3	336	5.5		8.3	334	4.5
MIN	2.6	199	-2.1		0.0	21	-5.0
AVG	6.7	268	1.5		5.2	196	-0.3
	MPH	DEG	CENT		MPH	DEG	CENT

9 NOV. '79 (313)

10 NOV. '79 (314)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.1	211	-1.9	0	2.1	229	-6.1
100	6.4	203	-1.7	100	8.0	198	-5.9
200	6.5	226	-1.5	200	2.4	208	-6.9
300	10.5	195	-0.7	300	8.7	190	-6.5
400	4.7	215	-1.6	400	7.7	203	-6.3
500	4.1	215	-2.1	500	3.7	216	-5.8
600	3.6	277	-2.6	600	5.1	206	-5.6
700	2.1	226	-3.6	700	7.2	197	-4.7
800	2.7	263	-0.7	800	5.1	198	-0.3
900	6.5	315	1.0	900	8.3	202	2.3
1000	5.6	307	2.2	1000	1.5	192	4.6
1100	10.4	280	2.8	1100	3.8	267	5.2
1200	8.9	319	3.5	1200	1.8	206	5.8
1300	6.2	310	2.8	1300	4.2	262	5.7
1400	5.6	317	2.7	1400	3.7	300	6.1
1500	1.4	315	4.0	1500	2.4	358	6.5
1600	1.0	84	3.1	1600	3.4	162	4.7
1700	2.1	263	0.0	1700	2.2	195	0.1
1800	2.7	4	0.3	1800	5.6	220	-0.6
1900	2.0	324	-0.9	1900	4.7	218	-1.0
2000	0.4	322	-3.1	2000	8.4	209	-1.1
2100	1.7	243	-3.9	2100	7.8	209	-1.5
2200	0.3	262	-4.1	2200	7.3	235	-1.5
2300	1.1	214	-5.1	2300	7.5	215	-1.7
MAX	10.5	324	4.0		8.7	358	6.5
MIN	0.3	4	-5.1		1.5	162	-6.9
AVG	4.3	246	-0.5		5.1	221	-0.6
	MPH	DEG	CENT		MPH	DEG	CENT

11 NOV. '79 (315)

12 NOV. '79 (316)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	4.4	202	-2.4	0	2.3	219	-4.3
100	6.4	217	-2.3	100	1.6	245	-5.6
200	7.5	200	-2.7	200	1.9	224	-4.8
300	5.8	218	-3.1	300	1.5	233	-5.8
400	8.3	197	-2.9	400	3.9	211	-4.9
500	7.2	194	-3.3	500	7.9	207	-5.3
600	6.9	209	-3.9	600	7.9	202	-5.7
700	4.4	197	-3.6	700	4.0	211	-5.0
800	2.5	291	0.5	800	4.8	200	-0.9
900	4.2	51	4.2	900	6.2	358	2.3
1000	4.0	342	5.5	1000	5.8	334	3.8
1100	4.9	328	4.9	1100	4.7	60	5.4
1200	2.8	9	6.4	1200	3.0	8	7.5
1300	0.6	345	8.5	1300	1.2	345	7.3
1400	4.0	71	7.5	1400	6.9	345	7.1
1500	5.8	54	7.0	1500	3.4	12	6.5
1600	3.4	48	5.5	1600	4.7	33	4.1
1700	0.0	244	0.7	1700	1.6	258	0.4
1800	0.1	235	-0.4	1800	0.9	237	-1.9
1900	1.5	261	-0.7	1900	0.0	264	-2.1
2000	3.5	211	-1.4	2000	4.7	205	-2.1
2100	0.9	221	-2.9	2100	6.6	210	-2.6
2200	1.4	259	-3.4	2200	5.5	216	-2.7
2300	0.6	249	-4.0	2300	8.6	202	-3.0
MAX	8.3	345	8.5		8.6	358	7.5
MIN	0.0	9	-4.0		0.0	8	-5.8
AVG	3.8	202	0.6		4.1	210	-0.5
	MPH	DEG	CENT		MPH	DEG	CENT

13 NOV. '79 (317)

14 NOV. '79 (318)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.5	227	-4.6	0	2.2	223	-3.9
100	7.4	200	-4.4	100	2.6	195	-4.5
200	7.0	205	-4.2	200	1.9	207	-4.2
300	7.7	207	-4.9	300	2.9	259	-3.5
400	7.2	211	-4.0	400	2.7	228	-4.5
500	0.3	231	-5.3	500	7.3	204	-4.6
600	1.2	233	-6.8	600	3.2	172	-4.6
700	2.9	213	-4.8	700	4.7	180	-3.2
800	3.7	197	-0.3	800	1.0	287	1.6
900	2.2	349	4.4	900	10.3	293	1.7
1000	3.8	23	6.1	1000	4.8	334	4.9
1100	5.5	20	6.9	1100	3.1	32	7.6
1200	1.8	81	8.3	1200	7.0	51	9.1
1300	4.6	41	8.3	1300	5.0	63	11.2
1400	3.4	42	8.6	1400	7.8	300	9.2
1500	3.9	63	7.8	1500	4.0	321	6.3
1600	2.6	30	5.6	1600	0.9	283	4.7
1700	1.3	230	1.2	1700	1.0	155	-0.5
1800	1.4	244	0.4	1800	4.4	194	2.4
1900	0.0	223	-3.4	1900	4.1	208	3.0
2000	1.6	260	-2.3	2000	0.0	187	-1.4
2100	1.9	222	-3.7	2100	0.8	183	-1.3
2200	2.7	222	-3.8	2200	4.9	210	0.3
2300	2.1	240	-4.0	2300	1.8	217	-1.1
MAX	7.7	349	8.6		10.3	334	11.2
MIN	0.0	20	-6.8		0.0	32	-4.6
AVG	3.3	176	0.0		3.7	208	1.0
	MPH	DEG	CENT		MPH	DEG	CENT

15 NOV. '79 (319)

16 NOV. '79 (320)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.7	186	-0.6	0	7.3	150	2.0
100	2.3	192	-0.9	100	4.9	202	0.9
200	0.4	194	-1.2	200	8.3	163	0.9
300	3.5	192	0.0	300	3.2	242	0.6
400	1.6	239	0.1	400	4.3	224	1.3
500	2.7	183	0.0	500	6.0	212	1.4
600	4.1	193	0.0	600	4.4	206	1.1
700	3.2	203	0.5	700	6.2	185	1.7
800	4.3	174	3.6	800	6.0	201	2.8
900	4.4	166	5.6	900	10.2	215	4.1
1000	9.5	160	8.6	1000	7.5	217	5.7
1100	8.6	195	8.9	1100	4.7	244	6.1
1200	8.0	165	9.4	1200	10.8	316	0.5
1300	8.4	269	6.9	1300	5.6	286	1.4
1400	6.0	290	5.0	1400	11.5	297	-0.2
1500	0.0	304	5.6	1500	2.2	228	2.7
1600	4.5	166	6.4	1600	3.8	193	0.7
1700	2.6	182	4.8	1700	3.3	192	-1.1
1800	2.7	217	3.5	1800	3.3	291	0.4
1900	6.2	193	3.2	1900	12.1	288	-2.0
2000	2.1	222	2.4	2000	2.2	123	-2.6
2100	4.2	179	3.6	2100	2.4	189	-5.1
2200	5.0	160	2.8	2200	8.1	202	-5.0
2300	5.4	167	1.4	2300	5.1	202	-5.1
MAX	9.5	304	9.4		12.1	316	6.1
MIN	0.0	160	-1.2		2.2	123	-5.1
AVG	4.3	200	3.3		6.0	220	0.6
	MPH	DEG	CENT		MPH	DEG	CENT

17 NOV. '79 (321)

18 NOV. '79 (322)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.0	203	-5.2	0	4.9	291	-5.3
100	5.8	214	-5.7	100	3.8	284	-5.2
200	0.0	242	-8.5	200	4.7	295	-5.5
300	4.5	205	-6.1	300	4.6	289	-5.8
400	6.1	213	-6.7	400	2.4	327	-5.9
500	0.2	163	-7.0	500	4.1	327	-5.7
600	1.2	249	-8.3	600	5.4	10	-6.1
700	6.8	220	-6.9	700	8.1	321	-6.8
800	5.2	235	-5.0	800	4.4	313	-6.4
900	5.1	316	-2.2	900	7.3	318	-6.0
1000	5.2	23	-3.0	1000	5.9	311	-5.4
1100	5.6	345	-2.1	1100	6.3	312	-4.6
1200	7.3	34	-3.0	1200	5.2	321	-4.7
1300	8.6	356	-3.5	1300	3.9	295	-3.6
1400	10.0	9	-3.4	1400	5.7	284	-4.3
1500	10.0	16	-4.0	1500	5.9	306	-5.2
1600	8.6	38	-4.6	1600	5.8	281	-6.0
1700	8.4	13	-4.9	1700	9.2	324	-6.5
1800	9.8	8	-5.0	1800	10.3	340	-6.6
1900	8.8	358	-5.1	1900	4.4	14	-7.0
2000	4.0	306	-5.0	2000	7.8	335	-7.5
2100	3.2	323	-5.2	2100	7.4	330	-7.9
2200	3.9	337	-5.4	2200	4.7	322	-7.8
2300	4.9	287	-5.6	2300	8.4	348	-8.0
MAX	10.0	358	-2.1		10.3	348	-3.6
MIN	0.0	8	-8.5		2.4	10	-8.0
AVG	5.8	196	-5.1		5.9	287	-6.0
	MPH	DEG	CENT		MPH	DEG	CENT

19 NOV. '79 (323)

20 NOV. '79 (324)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.5	331	-8.0	0	2.8	212	-14.7
100	8.5	340	-8.1	100	8.4	211	-13.2
200	5.1	351	-8.1	200	2.5	216	-12.6
300	4.1	341	-8.2	300	6.8	201	-13.6
400	2.9	300	-8.4	400	0.2	207	-15.7
500	2.0	12	-8.9	500	9.6	206	-14.4
600	0.5	26	-9.4	600	6.4	203	-14.0
700	1.5	59	-8.9	700	9.1	203	-13.6
800	1.7	98	-8.0	800	6.1	186	-11.9
900	2.1	252	-7.2	900	5.3	202	-8.2
1000	0.8	162	-2.0	1000	3.0	194	-3.6
1100	2.0	53	-2.5	1100	0.2	100	2.5
1200	5.1	10	-1.6	1200	3.2	73	1.8
1300	1.8	329	-4.6	1300	3.1	35	1.0
1400	3.9	358	-0.9	1400	4.8	358	1.4
1500	4.0	3	-2.2	1500	3.2	334	-1.8
1600	3.0	13	-6.9	1600	0.7	326	-3.4
1700	3.5	299	-8.1	1700	2.0	262	-8.4
1800	2.5	275	-9.3	1800	2.9	163	-9.4
1900	1.4	241	-10.5	1900	3.3	195	-9.9
2000	1.0	246	-12.6	2000	6.5	210	-8.8
2100	2.5	195	-10.4	2100	2.6	269	-9.1
2200	1.8	243	-12.7	2200	4.0	88	-9.5
2300	2.4	205	-11.2	2300	3.0	257	-10.2
MAX	8.5	358	-0.9		9.6	358	2.5
MIN	0.5	3	-12.7		0.2	35	-15.7
AVG	3.0	198	-7.4		4.2	205	-8.3
	MPH	DEG	CENT		MPH	DEG	CENT

21 NOV. '79 (325)

22 NOV. '79 (326)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.7	175	-9.3	0	1.8	263	-9.5
100	3.4	151	-8.1	100	7.5	208	-8.8
200	1.6	289	-8.7	200	2.8	230	-10.3
300	2.1	145	-8.4	300	1.3	276	-10.9
400	3.0	136	-7.9	400	0.0	265	-10.1
500	0.0	198	-8.8	500	2.9	194	-9.5
600	7.1	227	-7.2	600	8.9	219	-9.4
700	3.6	202	-7.4	700	9.6	199	-9.4
800	3.5	148	-6.3	800	7.6	204	-8.4
900	0.7	163	-4.0	900	5.3	204	-4.2
1000	4.0	156	-3.6	1000	1.7	201	-0.5
1100	1.4	208	-1.7	1100	4.4	181	1.1
1200	1.2	183	1.6	1200	7.6	206	0.7
1300	5.4	290	-3.0	1300	9.3	179	0.0
1400	2.9	309	-3.2	1400	4.7	197	1.3
1500	2.0	338	-0.4	1500	7.8	209	-1.6
1600	4.2	50	-4.6	1600	12.5	190	-2.0
1700	1.2	187	-5.5	1700	11.3	209	-2.7
1800	1.6	243	-5.6	1800	5.3	219	-3.2
1900	3.4	262	-5.5	1900	5.3	206	-3.4
2000	2.2	257	-8.0	2000	17.7	178	-3.7
2100	0.2	229	-7.8	2100	8.4	204	-3.0
2200	0.5	235	-7.0	2200	6.6	199	-3.4
2300	1.8	175	-8.8	2300	7.7	210	-2.5
MAX	7.1	338	1.6		17.7	276	1.3
MIN	0.0	50	-9.3		0.0	178	-10.9
AVG	2.5	207	-5.8		6.6	210	-4.7
	MPH	DEG	CENT		MPH	DEG	CENT

23 NOV. '79 (327)

24 NOV. '79 (328)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.8	203	-1.3	0	12.9	241	-1.2
100	8.3	189	-1.8	100	4.5	247	-4.3
200	8.7	208	-1.0	200	6.3	200	-4.3
300	7.7	228	-1.6	300	6.5	220	-0.1
400	4.7	250	-2.9	400	3.6	222	-0.4
500	7.2	285	-2.7	500	12.3	205	1.3
600	5.4	275	-3.5	600	10.4	187	1.3
700	5.2	259	-3.7	700	4.1	225	1.7
800	1.3	213	-3.4	800	16.5	310	-2.3
900	5.3	266	-1.9	900	3.2	315	-1.9
1000	5.3	309	-1.0	1000	11.4	292	-1.9
1100	3.7	328	1.1	1100	12.0	300	-1.4
1200	5.0	336	1.9	1200	7.6	285	0.0
1300	6.9	271	1.6	1300	6.6	303	-0.5
1400	7.0	276	0.6	1400	2.2	253	1.0
1500	7.4	256	1.7	1500	4.4	309	0.0
1600	2.3	283	0.8	1600	4.4	311	-0.1
1700	2.8	286	-1.4	1700	4.5	306	-2.4
1800	4.1	175	-2.0	1800	4.2	306	-4.4
1900	5.9	209	-2.3	1900	7.2	276	-5.7
2000	5.5	178	-2.7	2000	7.9	297	-5.9
2100	3.2	185	-2.3	2100	8.0	262	-7.1
2200	9.9	175	-1.9	2200	7.5	231	-7.6
2300	12.2	195	-1.9	2300	5.6	254	-8.3
MAX	12.2	336	1.9		16.5	315	1.7
MIN	1.3	175	-3.7		2.2	187	-8.3
AVG	5.9	243	-1.3		7.2	265	-2.3
	MPH	DEG	CENT		MPH	DEG	CENT

25 NOV. '79 (329)

26 NOV. '79 (330)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	5.8	245	-9.0	0	1.2	128	-13.8
100	6.0	255	-9.3	100	0.0	266	-14.8
200	0.8	241	-12.2	200	0.6	26	-13.2
300	5.7	225	-10.7	300	0.8	220	-17.1
400	5.2	212	-12.7	400	1.5	262	-18.1
500	1.5	225	-15.4	500	2.1	218	-16.2
600	6.7	207	-14.5	600	0.9	223	-17.3
700	11.0	203	-14.7	700	1.1	216	-18.5
800	8.8	205	-13.7	800	1.9	194	-15.3
900	4.3	218	-7.9	900	3.4	225	-12.0
1000	1.8	235	-3.5	1000	0.4	298	-5.8
1100	5.0	202	-2.9	1100	4.3	30	-5.1
1200	4.1	287	-1.2	1200	4.0	32	-4.1
1300	3.4	280	-0.4	1300	5.9	17	-4.4
1400	3.0	354	0.6	1400	5.3	44	-5.2
1500	3.3	338	-1.6	1500	5.1	39	-6.0
1600	1.7	312	-3.0	1600	4.2	3	-7.4
1700	1.3	271	-7.5	1700	1.6	353	-11.5
1800	0.1	357	-11.2	1800	1.1	261	-13.2
1900	1.1	276	-10.4	1900	1.7	158	-15.7
2000	1.2	228	-12.0	2000	1.1	194	-15.2
2100	2.5	273	-10.9	2100	2.1	197	-15.1
2200	4.4	285	-10.0	2200	2.2	243	-17.5
2300	0.3	352	-12.2	2300	3.1	217	-18.1
MAX	11.0	357	0.6		5.9	353	-4.1
MIN	0.1	202	-15.4		0.0	3	-18.5
AVG	3.7	262	-8.6		2.3	169	-12.5
	MPH	DEG	CENT		MPH	DEG	CENT

27 NOV. '79 (331)

28 NOV. '79 (332)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	4.3	195	-17.1	0	0.0	224	-18.1
100	5.3	211	-17.9	100	0.3	239	-18.4
200	2.2	218	-18.2	200	5.8	207	-16.8
300	8.6	209	-18.3	300	8.0	202	-17.6
400	8.3	210	-17.6	400	1.0	247	-18.5
500	6.6	200	-18.4	500	1.6	217	-18.7
600	9.7	206	-17.7	600	1.3	230	-18.7
700	2.0	214	-19.2	700	1.1	257	-18.4
800	5.8	199	-16.8	800	2.0	212	-15.6
900	4.7	207	-12.8	900	1.6	270	-11.8
1000	2.2	274	-8.7	1000	0.6	268	-7.4
1100	2.3	252	-6.9	1100	3.9	30	-5.7
1200	2.9	56	-2.5	1200	1.7	356	-2.3
1300	4.2	45	-4.9	1300	4.2	44	-3.4
1400	1.4	318	-4.5	1400	2.8	24	-4.6
1500	4.8	49	-6.4	1500	3.6	43	-5.3
1600	3.0	51	-8.4	1600	4.5	40	-7.8
1700	0.7	41	-13.5	1700	2.2	52	-12.2
1800	2.5	176	-15.4	1800	3.0	274	-13.7
1900	0.8	206	-15.3	1900	1.3	262	-15.7
2000	6.4	206	-14.9	2000	1.9	231	-15.3
2100	0.8	256	-16.0	2100	1.7	264	-14.9
2200	2.3	205	-17.0	2200	0.0	273	-16.2
2300	1.9	224	-18.0	2300	0.7	162	-15.9
MAX	9.7	318	-2.5		8.0	356	-2.3
MIN	0.7	41	-19.2		0.0	24	-18.7
AVG	3.9	185	-13.6		2.3	193	-13.0
	MPH	DEG	CENT		MPH	DEG	CENT

29 NOV. '79 (333)

30 NOV. '79 (334)

GEOKINETICS, INC.
KAMP KEROGEN, UTAH

Meteorological Station # 2

1 DECEMBER 1979 through 31 DECEMBER 1979

PREPARED FOR:

Geokinetics, Inc.
Concord, Calif.

PREPARED BY:

WestAq Corporation
Grand Valley, Colo.

DATA CERTIFICATION STATEMENT

WESTAQ CORPORATION HEREBY CERTIFIES THAT ALL DATA PRESENTED IN THIS REPORT IS ACCURATE TO THE SPECIFICATIONS OF THE RECORDING INSTRUMENTATION. NO EDITING OR ALTERATION HAS BEEN PERFORMED OTHER THAN TO CORRECT OCCASIONAL COSMETIC DETAILS. ALL CALCULATIONS ARE DONE BY COMPUTER PROGRAM AND NOT SUBJECT TO OPERATOR ERRORS.

DUE TO THE NATURE OF THE DIGITAL ACQUISITION SYSTEM AND COMPUTER REDUCTION, MINIMUM POSSIBILITY EXISTS FOR CHART INTERPRETATIONS, MACHINE ENTRY AND CALCULATION ERRORS, OR ARBITRARY DATA ALTERATION.

FOR THE CORPORATION:

James B. Mershon, Vice Pres.

GEOKINETICS MET STATION 2
WIND ROSE VALUES

33' ~~~~~ NUMBER OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	22	10	1	0	(33)
N N E	8	18	1	0	(27)
N E	24	27	2	1	(54)
E N E	9	7	0	0	(16)
E	7	1	2	0	(10)
E S E	8	2	1	0	(11)
S E	9	2	0	0	(11)
S S E	21	6	3	1	(31)
S	33	25	13	6	(77)
S S W	42	50	35	6	(133)
S W	63	29	9	2	(103)
W S W	52	12	1	0	(65)
W	44	24	1	0	(69)
W N W	16	16	5	0	(37)
N W	19	11	3	0	(33)
N N W	15	17	1	1	(34)

(392) (257) (78) (17)

33' ~~~~~ PERCENTAGES OF OCCURRENCES: ~~~~~ 33'

	<3	3-7	7-12	>12	
N	3.0	1.3	0.1	0.0	(4.4)
N N E	1.1	2.4	0.1	0.0	(3.6)
N E	3.2	3.6	0.3	0.1	(7.3)
E N E	1.2	0.9	0.0	0.0	(2.2)
E	0.9	0.1	0.3	0.0	(1.3)
E S E	1.1	0.3	0.1	0.0	(1.5)
S E	1.2	0.3	0.0	0.0	(1.5)
S S E	2.8	0.8	0.4	0.1	(4.2)
S	4.4	3.4	1.7	0.8	(10.3)
S S W	5.6	6.7	4.7	0.8	(17.9)
S W	8.5	3.9	1.2	0.3	(13.8)
W S W	7.0	1.6	0.1	0.0	(8.7)
W	5.9	3.2	0.1	0.0	(9.3)
W N W	2.2	2.2	0.7	0.0	(5.0)
N W	2.6	1.5	0.4	0.0	(4.4)
N N W	2.0	2.3	0.1	0.1	(4.6)

(52.7) (34.5) (10.5) (2.3)

FROM 335 0 THRU 365 2300 FOR 744 SAMPLES

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.7	215	-16.4	0	1.0	205	-11.7
100	1.3	248	-16.1	100	0.0	238	-11.4
200	1.3	216	-15.4	200	0.4	208	-12.0
300	2.2	266	-15.5	300	2.9	257	-11.2
400	0.2	164	-16.1	400	0.1	158	-14.1
500	2.7	219	-15.9	500	3.0	267	-11.5
600	1.3	261	-15.6	600	1.0	220	-13.0
700	1.8	261	-15.7	700	0.0	143	-9.8
800	0.0	256	-13.9	800	0.2	186	-6.5
900	3.1	179	-9.6	900	2.0	78	-4.0
1000	2.6	287	-5.7	1000	2.3	56	1.5
1100	4.7	323	-5.3	1100	4.8	42	-1.5
1200	3.8	34	-1.8	1200	3.6	342	-0.1
1300	0.0	277	3.9	1300	5.6	192	4.3
1400	5.6	23	-2.1	1400	8.1	123	4.5
1500	3.0	27	-3.1	1500	12.1	222	1.7
1600	4.3	348	-5.0	1600	7.4	207	0.8
1700	3.9	283	-10.0	1700	3.4	249	-0.2
1800	1.7	155	-12.0	1800	7.6	198	-0.9
1900	0.5	233	-12.6	1900	6.7	187	0.1
2000	0.0	229	-12.9	2000	6.1	230	-0.1
2100	1.2	209	-12.9	2100	9.4	219	1.2
2200	1.3	232	-12.4	2200	6.4	202	1.2
2300	2.8	224	-11.5	2300	11.4	187	-0.2
MAX	5.6	348	3.9		12.1	342	4.5
MIN	0.0	23	-16.4		0.0	42	-14.1
AVG	2.1	215	-10.6		4.4	192	-3.9
	MPH	DEG	CENT		MPH	DEG	CENT

1 DEC. '79 (335)

2 DEC. '79 (336)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.1	195	-0.4	0	1.4	265	-5.5
100	8.8	198	-0.1	100	1.5	185	-4.2
200	4.0	216	0.3	200	1.9	190	-4.2
300	1.8	223	-4.3	300	1.9	260	-3.4
400	1.3	240	-4.3	400	2.6	188	-5.1
500	5.0	274	-4.8	500	0.0	261	-5.7
600	1.3	81	-5.7	600	2.4	289	-5.0
700	0.8	112	-5.4	700	2.8	231	-5.2
800	0.8	62	-2.9	800	3.2	164	-1.5
900	2.4	260	0.4	900	2.9	175	3.2
1000	0.8	293	4.7	1000	1.7	191	8.3
1100	1.6	271	8.8	1100	4.9	179	11.5
1200	3.1	29	5.5	1200	7.3	193	12.5
1300	5.0	325	2.7	1300	10.8	191	11.4
1400	2.2	13	6.4	1400	10.6	174	11.7
1500	0.0	37	5.3	1500	6.7	200	10.2
1600	0.4	265	1.1	1600	5.7	185	7.7
1700	3.5	104	-2.3	1700	7.1	194	5.0
1800	2.9	196	-2.9	1800	13.1	194	4.4
1900	0.0	230	-3.6	1900	11.0	224	3.7
2000	0.0	193	-4.8	2000	8.6	217	3.8
2100	2.2	288	-2.7	2100	9.0	225	4.3
2200	3.6	274	-2.2	2200	15.7	198	6.1
2300	0.0	260	-4.8	2300	11.2	212	5.1
MAX	8.8	325	8.8		15.7	289	12.5
MIN	0.0	13	-5.7		0.0	164	-5.7
AVG	2.5	193	-0.7		6.0	208	2.9
	MPH	DEG	CENT		MPH	DEG	CENT

3 DEC. '79 (337)

4 DEC. '79 (338)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	8.1	179	3.7	0	6.9	214	-2.6
100	7.1	202	4.2	100	8.4	213	-1.9
200	12.8	346	2.0	200	1.3	196	-6.3
300	6.5	246	1.1	300	9.2	209	-4.2
400	2.1	167	-2.0	400	0.0	158	-6.4
500	2.0	226	-2.1	500	1.5	200	-4.4
600	7.2	307	-0.9	600	8.4	213	-3.9
700	2.9	266	-2.2	700	6.9	203	-4.0
800	0.7	192	-3.4	800	6.6	217	-3.6
900	3.3	330	1.5	900	7.7	200	-1.2
1000	2.4	277	3.1	1000	4.5	185	4.4
1100	7.3	329	3.9	1100	4.1	54	5.9
1200	9.3	283	3.4	1200	3.7	295	6.3
1300	4.9	289	5.0	1300	5.9	313	5.0
1400	2.4	285	5.9	1400	3.2	35	6.7
1500	5.5	63	4.4	1500	4.5	58	5.2
1600	2.8	76	2.3	1600	3.2	46	3.7
1700	0.0	106	-1.6	1700	1.3	42	-0.5
1800	0.6	195	-3.0	1800	3.5	194	-1.0
1900	2.0	214	-3.7	1900	6.3	200	-0.8
2000	6.8	177	-2.7	2000	2.2	130	-1.9
2100	3.0	97	-4.3	2100	0.9	179	-4.0
2200	6.2	203	-2.6	2200	8.3	217	-1.4
2300	8.4	189	-2.4	2300	0.6	312	-4.8
MAX	12.8	346	5.9		9.2	313	6.7
MIN	0.0	63	-4.3		0.0	35	-6.4
AVG	4.8	219	0.4		4.5	178	-0.7
	MPH	DEG	CENT		MPH	DEG	CENT

5 DEC. '79 (339)

6 DEC. '79 (340)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.8	224	-3.2	0	0.2	261	-4.0
100	1.3	215	-3.4	100	2.0	169	-4.7
200	0.6	296	-4.8	200	2.3	232	-4.6
300	1.5	137	-4.5	300	1.9	227	-3.9
400	1.7	192	-4.1	400	2.4	216	-3.8
500	1.5	188	-4.8	500	5.8	215	-3.8
600	0.3	355	-3.8	600	1.6	196	-3.2
700	0.6	176	-4.4	700	0.0	195	-2.6
800	3.1	185	-2.1	800	1.0	243	-1.6
900	3.0	213	0.8	900	4.5	204	1.6
1000	0.4	184	4.7	1000	4.9	229	4.2
1100	3.7	331	3.0	1100	5.0	17	3.1
1200	5.0	65	3.2	1200	1.7	36	7.2
1300	4.1	342	3.0	1300	1.1	49	12.4
1400	2.1	90	5.4	1400	2.8	38	7.0
1500	3.7	68	4.7	1500	2.0	78	7.0
1600	2.6	52	4.5	1600	5.4	28	6.1
1700	2.9	330	1.2	1700	3.9	221	0.0
1800	2.3	178	0.1	1800	5.1	335	0.3
1900	1.1	249	-0.7	1900	2.2	217	-2.7
2000	1.6	200	-1.1	2000	0.7	278	-2.0
2100	4.4	196	-2.9	2100	2.5	197	-2.2
2200	7.2	203	-1.4	2200	0.5	187	-1.8
2300	0.9	275	-3.3	2300	2.9	146	-2.6
MAX	7.2	355	5.4		5.8	335	12.4
MIN	0.3	52	-4.8		0.0	17	-4.7
AVG	2.4	206	-0.6		2.6	176	0.2
	MPH	DEG	CENT		MPH	DEG	CENT

7 DEC. '79 (341)

8 DEC. '79 (342)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.7	154	-3.9	0	5.5	217	2.5
100	1.5	157	-3.3	100	3.2	179	1.4
200	1.2	242	-3.2	200	3.9	141	1.5
300	1.9	240	-3.9	300	3.7	173	2.0
400	0.2	175	-4.7	400	5.9	179	1.8
500	0.3	243	-3.6	500	5.5	195	1.6
600	0.0	196	-3.7	600	3.3	203	1.1
700	1.2	251	-3.9	700	18.8	184	1.7
800	1.5	233	-2.4	800	16.4	222	1.6
900	0.9	53	1.2	900	13.0	198	4.4
1000	2.2	155	5.2	1000	11.9	233	5.4
1100	3.1	25	6.6	1100	17.4	210	6.5
1200	3.4	15	6.7	1200	8.0	210	7.9
1300	3.4	70	7.2	1300	12.5	202	8.3
1400	3.1	8	8.2	1400	13.5	185	6.8
1500	3.7	22	7.7	1500	15.7	188	6.8
1600	2.9	46	4.7	1600	9.7	147	6.1
1700	1.6	217	0.5	1700	14.3	198	3.8
1800	0.0	260	-1.0	1800	12.5	180	3.6
1900	5.7	222	1.3	1900	6.9	213	3.0
2000	7.7	215	3.0	2000	5.8	207	2.3
2100	3.9	219	0.9	2100	6.3	242	3.0
2200	2.4	152	-0.3	2200	9.6	309	-0.2
2300	6.7	196	2.5	2300	6.0	296	-0.5
MAX	7.7	260	8.2		18.8	309	8.3
MIN	0.0	8	-4.7		3.2	141	-0.5
AVG	2.5	157	0.9		9.6	205	3.4
	MPH	DEG	CENT		MPH	DEG	CENT

9 DEC. '79 (343)

10 DEC. '79 (344)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	7.6	358	-2.5	0	8.8	211	-14.5
100	5.2	49	-3.7	100	9.1	198	-14.3
200	3.3	34	-5.4	200	7.8	195	-15.1
300	1.8	358	-6.4	300	2.6	201	-16.2
400	3.6	47	-7.7	400	3.4	201	-16.0
500	2.3	31	-9.6	500	7.7	198	-15.8
600	1.7	146	-11.7	600	8.4	196	-15.3
700	1.0	107	-12.2	700	2.8	224	-16.3
800	0.0	129	-12.0	800	2.1	213	-15.8
900	3.0	4	-7.7	900	2.8	214	-10.2
1000	9.8	18	-6.9	1000	1.2	28	-3.1
1100	8.0	81	-4.9	1100	4.7	290	-6.2
1200	12.1	39	-4.2	1200	3.2	2	-2.5
1300	7.1	37	-4.2	1300	3.2	8	0.5
1400	10.0	47	-4.7	1400	4.3	336	-2.5
1500	5.4	39	-4.7	1500	3.6	49	-2.9
1600	5.2	13	-6.7	1600	2.4	46	-4.7
1700	1.3	358	-10.2	1700	1.3	357	-9.0
1800	1.8	341	-10.5	1800	3.0	152	-10.4
1900	1.8	345	-10.4	1900	0.6	187	-11.8
2000	0.6	326	-13.8	2000	2.5	243	-11.3
2100	4.0	164	-12.5	2100	3.3	196	-11.9
2200	3.8	215	-15.1	2200	0.0	216	-11.5
2300	8.2	206	-14.4	2300	2.3	275	-10.5
MAX	12.1	358	-2.5		9.1	357	0.5
MIN	0.0	4	-15.1		0.0	2	-16.3
AVG	4.5	146	-8.4		3.8	185	-10.3
	MPH	DEG	CENT		MPH	DEG	CENT

11 DEC. '79 (345)

12 DEC. '79 (346)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.6	232	-11.9	0	1.6	212	-10.7
100	0.7	215	-11.6	100	0.4	275	-10.6
200	0.8	202	-15.0	200	0.9	226	-12.6
300	2.2	215	-14.4	300	1.9	235	-10.5
400	0.2	208	-14.0	400	1.6	265	-12.6
500	0.9	213	-13.5	500	3.1	182	-11.8
600	0.4	217	-13.9	600	0.0	147	-13.2
700	1.4	215	-13.6	700	2.4	262	-11.2
800	2.3	250	-15.1	800	0.7	267	-11.2
900	3.0	266	-10.5	900	1.9	4	-5.4
1000	1.1	253	-5.8	1000	2.4	22	-1.9
1100	1.8	350	-3.3	1100	1.2	322	0.3
1200	4.0	314	-4.2	1200	4.2	35	0.1
1300	1.6	41	-0.5	1300	1.4	195	3.2
1400	1.9	355	-0.6	1400	1.6	41	3.0
1500	0.6	356	-0.7	1500	6.7	50	-0.2
1600	5.2	43	-4.4	1600	0.9	352	-1.4
1700	1.6	285	-7.1	1700	3.5	270	-5.2
1800	1.5	232	-10.3	1800	2.1	227	-8.0
1900	5.4	220	-7.5	1900	0.8	244	-8.6
2000	6.7	202	-7.7	2000	1.7	180	-9.4
2100	2.7	216	-10.7	2100	4.0	204	-7.5
2200	3.5	204	-11.7	2200	0.6	250	-7.8
2300	2.3	230	-11.7	2300	0.5	225	-8.2
MAX	6.7	356	-0.5		6.7	352	3.2
MIN	0.2	41	-15.1		0.0	4	-13.2
AVG	2.3	231	-9.2		1.9	196	-6.7
	MPH	DEG	CENT		MPH	DEG	CENT

13 DEC. '79 (347)

14 DEC. '79 (348)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.3	201	-7.9	0	6.9	197	1.1
100	5.7	270	-6.9	100	9.2	204	1.7
200	0.4	259	-9.6	200	3.4	252	0.3
300	1.0	259	-8.0	300	1.6	214	-1.2
400	1.5	230	-7.5	400	1.9	241	-3.3
500	0.7	169	-8.0	500	3.4	204	0.4
600	1.2	117	-9.0	600	2.1	205	-2.5
700	0.8	161	-6.4	700	1.7	211	-2.9
800	0.5	77	-6.5	800	0.0	266	-2.8
900	2.4	231	-1.7	900	1.8	292	2.8
1000	1.5	207	-0.8	1000	2.1	8	9.9
1100	1.4	19	8.3	1100	3.5	40	7.4
1200	6.3	358	4.7	1200	4.5	59	8.8
1300	3.1	252	5.8	1300	6.5	203	10.4
1400	1.8	353	6.0	1400	5.6	330	9.3
1500	4.1	169	6.8	1500	5.3	36	9.6
1600	2.1	193	7.1	1600	2.8	50	6.8
1700	8.2	228	4.7	1700	0.9	85	1.9
1800	5.4	210	2.8	1800	1.9	276	-0.1
1900	7.9	193	2.1	1900	1.9	228	-3.2
2000	9.4	198	2.1	2000	0.0	207	-4.4
2100	8.7	206	2.3	2100	1.5	272	-4.1
2200	5.9	194	0.4	2200	7.1	209	-3.7
2300	7.6	196	1.9	2300	9.3	203	-2.4
MAX	9.4	358	8.3		9.3	330	10.4
MIN	0.3	19	-9.6		0.0	8	-4.4
AVG	3.7	206	-0.7		3.5	187	1.7
	MPH	DEG	CENT		MPH	DEG	CENT

15 DEC. '79 (349)

16 DEC. '79 (350)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	0.0	248	-3.9	0	0.7	233	-4.8
100	5.2	201	-3.4	100	1.8	259	-3.3
200	0.0	243	-5.5	200	1.5	257	-5.7
300	2.2	203	-5.2	300	0.1	216	-6.9
400	2.3	170	-2.7	400	2.0	243	-3.9
500	2.7	221	-4.6	500	1.7	187	-4.6
600	1.1	287	-5.7	600	2.5	199	-5.8
700	0.7	225	-5.4	700	3.3	215	-4.7
800	1.8	240	-4.2	800	1.6	271	-6.2
900	0.3	110	2.1	900	0.4	261	0.3
1000	0.9	2	5.5	1000	1.4	70	3.2
1100	3.7	55	6.5	1100	2.0	22	5.1
1200	4.2	32	6.1	1200	1.8	341	7.0
1300	3.3	33	7.7	1300	3.2	30	7.0
1400	3.1	37	7.9	1400	2.2	50	7.4
1500	3.1	310	4.7	1500	4.4	31	5.5
1600	3.8	328	2.2	1600	3.2	41	3.0
1700	1.3	259	-2.2	1700	1.5	240	-2.8
1800	1.5	240	-2.6	1800	0.0	162	-4.4
1900	1.4	277	-3.7	1900	0.0	267	-6.3
2000	1.5	250	-4.9	2000	5.3	197	-4.1
2100	0.5	242	-3.0	2100	1.3	216	-4.3
2200	1.2	255	-4.6	2200	0.0	240	-5.9
2300	1.3	249	-4.5	2300	1.7	212	-5.3
MAX	5.2	328	7.9		5.3	341	7.4
MIN	0.0	2	-5.7		0.0	22	-6.9
AVG	2.0	197	-1.0		1.8	186	-1.7
	MPH	DEG	CENT		MPH	DEG	CENT

17 DEC. '79 (351)

18 DEC. '79 (352)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	3.1	216	-3.8	0	5.6	224	1.4
100	0.5	317	-5.9	100	2.5	243	0.5
200	0.4	217	-6.6	200	5.4	191	0.3
300	0.3	151	-5.7	300	4.8	180	0.3
400	2.6	240	-5.0	400	3.4	222	1.1
500	1.0	235	-5.1	500	0.0	225	-2.2
600	0.6	249	-6.0	600	0.0	152	-0.2
700	2.5	216	-2.7	700	0.0	41	-1.0
800	2.6	149	-3.8	800	2.0	234	0.5
900	1.2	74	1.1	900	5.4	196	3.3
1000	2.1	347	6.3	1000	7.4	173	4.0
1100	4.4	38	3.2	1100	7.3	211	5.7
1200	4.3	302	2.6	1200	9.0	181	4.8
1300	2.6	333	4.4	1300	4.1	168	5.7
1400	3.3	39	5.6	1400	8.3	183	7.8
1500	2.5	52	6.0	1500	4.7	347	5.0
1600	4.8	169	6.2	1600	0.9	176	4.0
1700	2.0	195	2.2	1700	0.0	183	0.8
1800	8.1	187	1.5	1800	3.8	199	-0.3
1900	6.2	228	1.0	1900	2.4	105	-1.0
2000	2.7	239	0.7	2000	9.0	217	0.0
2100	6.3	239	1.1	2100	7.0	192	0.0
2200	4.0	219	0.8	2200	8.5	191	0.7
2300	0.0	253	-0.3	2300	8.8	154	1.2
MAX	8.1	347	6.3		9.0	347	7.8
MIN	0.0	38	-6.6		0.0	41	-2.2
AVG	2.8	204	-0.1		4.6	191	1.8
	MPH	DEG	CENT		MPH	DEG	CENT

19 DEC. '79 (353)

20 DEC. '79 (354)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.0	208	0.1	0	3.2	259	-3.1
100	8.4	174	0.6	100	3.7	262	-3.0
200	6.0	191	0.2	200	2.5	243	-2.8
300	4.3	180	-0.4	300	5.0	212	-1.8
400	3.6	203	-0.6	400	6.4	218	-1.8
500	2.5	203	-1.1	500	2.5	240	-2.0
600	1.8	262	-2.7	600	2.7	225	-2.3
700	0.0	197	-2.9	700	5.7	239	-2.5
800	2.2	248	-3.2	800	5.9	228	-2.6
900	2.2	55	1.8	900	6.9	276	-2.5
1000	0.8	85	3.7	1000	8.7	259	-1.9
1100	7.5	164	2.2	1100	7.3	256	-1.1
1200	4.5	351	2.9	1200	5.0	232	-0.6
1300	7.5	294	-1.6	1300	4.4	247	-0.9
1400	5.4	328	-1.5	1400	0.0	347	1.8
1500	1.0	271	-2.1	1500	1.2	131	0.6
1600	1.9	54	-1.1	1600	4.7	103	-0.9
1700	1.6	317	-3.2	1700	0.6	141	-3.5
1800	3.6	289	-4.1	1800	1.0	172	-5.5
1900	2.9	281	-4.8	1900	3.6	212	-4.8
2000	3.6	260	-4.2	2000	4.0	216	-4.1
2100	2.5	233	-4.0	2100	1.4	235	-4.9
2200	4.9	239	-3.7	2200	5.3	210	-4.6
2300	3.3	229	-3.4	2300	0.7	249	-6.2
MAX	8.4	351	3.7		8.7	347	1.8
MIN	0.0	54	-4.8		0.0	103	-6.2
AVG	3.7	222	-1.4		3.9	226	-2.5
	MPH	DEG	CENT		MPH	DEG	CENT

21 DEC. '79 (355)

22 DEC. '79 (356)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.9	212	-6.2	0	5.1	204	-7.1
100	5.1	209	-6.1	100	3.8	220	-8.0
200	5.8	207	-5.7	200	1.6	186	-8.6
300	5.0	205	-7.3	300	3.1	205	-8.6
400	4.7	205	-6.6	400	5.5	212	-8.0
500	3.4	208	-6.7	500	5.2	189	-6.5
600	5.5	199	-7.3	600	1.1	203	-6.1
700	1.4	228	-8.5	700	2.6	154	-4.9
800	1.3	219	-10.0	800	13.3	163	-3.7
900	5.4	225	-5.3	900	6.1	205	-2.9
1000	6.3	275	-2.9	1000	10.9	202	-1.6
1100	7.2	289	-2.4	1100	12.0	179	0.3
1200	1.9	147	3.5	1200	11.3	206	0.1
1300	3.5	181	4.3	1300	4.3	169	2.9
1400	7.2	299	-1.4	1400	7.3	196	2.1
1500	7.1	307	-3.2	1500	6.2	193	0.6
1600	2.6	72	-3.1	1600	7.9	186	-1.0
1700	1.8	260	-7.2	1700	3.0	148	-2.4
1800	1.3	246	-9.7	1800	1.9	128	-3.0
1900	0.0	193	-9.0	1900	0.9	185	-3.0
2000	6.5	209	-8.7	2000	5.2	187	-3.1
2100	6.5	223	-6.9	2100	4.9	179	-2.6
2200	4.1	197	-9.1	2200	3.1	188	-2.6
2300	3.4	222	-8.0	2300	3.1	139	-2.9
MAX	7.2	307	4.3		13.3	220	2.9
MIN	0.0	72	-10.0		0.9	128	-8.6
AVG	4.2	218	-5.6		5.4	184	-3.4
	MPH	DEG	CENT		MPH	DEG	CENT

23 DEC. '79 (357)

24 DEC. '79 (358)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	6.0	185	-2.7	0	0.8	345	-7.1
100	10.2	200	-1.8	100	0.2	259	-8.6
200	9.1	196	-2.4	200	0.0	201	-8.2
300	12.3	182	-2.5	300	2.0	194	-7.6
400	4.8	194	-2.9	400	2.2	249	-9.0
500	3.6	186	-5.4	500	0.1	234	-9.7
600	5.7	272	-3.7	600	3.8	197	-8.8
700	3.7	257	-1.9	700	2.9	228	-7.0
800	6.7	259	-3.1	800	4.7	245	-6.8
900	3.1	150	-2.3	900	2.2	239	-6.0
1000	5.9	213	4.4	1000	2.2	260	-4.2
1100	11.7	174	6.2	1100	6.3	286	-4.2
1200	2.4	322	2.8	1200	7.1	287	-4.7
1300	4.3	66	3.3	1300	1.0	251	-1.5
1400	3.6	9	2.5	1400	3.1	338	-2.6
1500	6.0	43	1.7	1500	5.9	291	-4.1
1600	2.6	68	0.7	1600	2.1	262	-4.5
1700	0.0	287	-4.8	1700	2.9	256	-5.3
1800	0.6	221	-5.6	1800	4.7	290	-5.7
1900	1.0	164	-6.2	1900	1.7	5	-5.4
2000	7.9	200	-3.0	2000	5.6	291	-5.8
2100	2.5	258	-4.0	2100	3.6	275	-6.6
2200	3.0	258	-6.2	2200	2.5	246	-8.8
2300	0.0	114	-6.8	2300	4.0	276	-6.5
MAX	12.3	322	6.2		7.1	345	-1.5
MIN	0.0	9	-6.8		0.0	5	-9.7
AVG	4.9	187	-1.8		3.0	250	-6.2
	MPH	DEG	CENT		MPH	DEG	CENT

25 DEC. '79 (359)

26 DEC. '79 (360)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	1.4	316	-7.4	0	2.3	218	-8.5
100	2.2	307	-6.0	100	5.3	224	-7.9
200	4.1	281	-6.3	200	3.3	263	-7.4
300	4.3	270	-7.4	300	3.3	281	-7.3
400	1.1	262	-8.5	400	0.0	318	-7.0
500	3.8	277	-8.9	500	1.6	175	-7.1
600	2.8	228	-8.5	600	1.1	186	-7.0
700	4.0	298	-7.9	700	0.2	203	-6.9
800	2.6	293	-8.2	800	1.1	182	-6.6
900	3.6	272	-7.5	900	1.5	85	-4.2
1000	5.8	280	-6.5	1000	4.8	39	-2.7
1100	4.9	282	-5.0	1100	3.2	47	-1.7
1200	6.2	294	-4.6	1200	2.2	355	-0.4
1300	6.0	281	-4.2	1300	1.4	50	-1.3
1400	3.9	334	-4.0	1400	3.4	24	-2.4
1500	3.9	330	-4.0	1500	1.7	313	-3.2
1600	6.2	343	-4.9	1600	3.4	288	-3.7
1700	0.8	316	-5.7	1700	0.6	122	-6.6
1800	2.7	297	-6.2	1800	1.2	163	-6.8
1900	2.7	242	-6.4	1900	1.3	150	-7.3
2000	2.2	247	-6.5	2000	0.9	167	-8.7
2100	0.7	260	-7.1	2100	1.8	178	-9.5
2200	2.9	245	-7.5	2200	1.9	172	-9.4
2300	3.9	229	-7.3	2300	2.6	194	-4.6
MAX	6.2	343	-4.0		5.3	355	-0.4
MIN	0.7	228	-8.9		0.0	24	-9.5
AVG	3.4	283	-6.5		2.1	183	-5.8
	MPH	DEG	CENT		MPH	DEG	CENT

27 DEC. '79 (361)

28 DEC. '79 (362)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'	TIME	WS 33'	WD 33'	TEMP 33'
0	2.4	188	-4.1	0	2.3	355	-3.2
100	2.6	189	-2.5	100	4.0	35	-4.6
200	2.3	221	-2.5	200	3.0	52	-7.2
300	4.8	38	-3.9	300	3.1	326	-10.1
400	6.0	33	-3.3	400	2.9	317	-10.5
500	4.4	37	-4.1	500	3.4	309	-11.0
600	4.1	29	-5.4	600	3.7	308	-11.4
700	6.3	352	-6.1	700	1.7	340	-12.6
800	4.0	357	-5.3	800	0.9	331	-6.4
900	0.1	343	2.0	900	3.2	319	-2.9
1000	3.2	271	4.1	1000	3.1	347	-1.7
1100	2.4	292	5.2	1100	1.8	354	-1.3
1200	0.7	341	5.1	1200	2.2	18	0.0
1300	0.4	323	7.9	1300	0.3	352	0.2
1400	0.7	319	8.3	1400	1.6	349	-0.9
1500	1.6	340	8.1	1500	0.7	3	-2.1
1600	3.1	317	8.0	1600	1.0	355	-3.9
1700	2.0	306	9.3	1700	2.0	287	-3.7
1800	1.8	341	5.0	1800	2.2	354	0.2
1900	0.9	318	2.7	1900	4.1	352	-0.9
2000	1.2	326	0.2	2000	2.6	36	-2.6
2100	1.6	301	-1.7	2100	3.3	33	-6.0
2200	1.8	317	-2.0	2200	1.1	226	-8.7
2300	1.3	18	2.9	2300	1.2	279	-9.3
MAX	6.3	357	9.3		4.1	355	0.2
MIN	0.1	18	-6.1		0.3	3	-12.6
AVG	2.5	247	1.2		2.3	252	-5.0
	MPH	DEG	CENT		MPH	DEG	CENT

29 DEC. '79 (363)

30 DEC. '79 (364)

GEOKINETICS, INC.
KAMP KEROGEN

MET. STATION #2

TIME	WS 33'	WD 33'	TEMP 33'
0	1.1	253	-9.6
100	0.5	85	-9.2
200	0.0	259	-8.6
300	0.0	246	-8.7
400	0.0	320	-8.3
500	0.0	56	-9.1
600	1.0	82	-9.8
700	0.7	190	-11.6
800	2.1	239	-10.2
900	2.8	175	-10.7
1000	0.0	296	-11.2
1100	3.1	288	-10.1
1200	1.0	205	-10.3
1300	0.0	250	-10.7
1400	3.5	342	-7.7
1500	3.6	25	-5.6
1600	2.5	47	-3.9
1700	4.1	309	-5.4
1800	1.9	44	-1.5
1900	2.4	338	-3.1
2000	0.8	9	-3.6
2100	2.4	37	-5.0
2200	0.0	229	-8.2
2300	9.1	91	9.1
MAX	9.1	342	9.1
MIN	0.0	9	-11.6
AVG	1.8	184	-7.2
	MPH	DEG	CENT

31 DEC. '79 (365)