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STAGE 1 & 2 REPORTS

DATE: MAY 2000

SUBSURFACE INVESTIGATION REPORT

(STAGE 1 ABATEMENT PLAN)

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Environmental Bureau
Oil Conservation Division

EOTT ENERGY CORP
BOB DURHAM RELEASE SITE
LEA COUNTY, NEW MEXICO

Prepared For:
EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Environmental Technology Group, Inc. Project No. EOT1044C

Prepared By:
Environmental Technology Group, Inc.
4600 West Wall Street
Midland, Texas 79703

May 2000

A Report Prepared for:

EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Subsurface Investigation Report

(Stage 1 Abatement Plan)

Environmental Technology Group, Inc. Project No. EOT1044C

Prepared by:

Jesse Taylor
Principal Geologist

Jerry Nickell
Managing Principal

Environmental Technology Group, Inc.
4600 West Wall Street
Midland, Texas 79703

May 2000

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1.0 INTRODUCTION AND SITE BACKGROUND

The site is located approximately two miles west of the town of Monument, New Mexico, in the NE 1/4 of the NW 1/4 of Section 32, Township 19 South, Range 37 East. A site location map is provided as Figure 1.

The topography of the site is relatively flat with a slight topographic slope to the south. The site is located in a rural/residential area with a residence located within 500 feet of the discovery point to the west. Generally, the surface consists of unconsolidated sand covered by sparse grasses and mesquite trees. Oil and gas production facilities are located adjacent to the site to the northeast and at a greater distance to the northwest.

Prior to the involvement of Environmental Technology Group, Inc (ETGI), evidence of a pipeline release was detected by EOTT Energy Corp. (EOTT). The evidence was detected during excavation work done to provide access to the pipeline in order to facilitate the insertion of a polyethylene liner along the subject portion of the pipeline. As depicted on Figure 2, the release point is located on the eastern most pipeline of two parallel pipelines, both of which convey crude oil and are owned and operated by EOTT.

During the initial response, an estimated 2,000 cubic yards of impacted soil was excavated and removed from the area immediately north of the highway. EOTT personnel indicated that the soil was taken to J&L Landfarm, located near Eunice, New Mexico. The resulting excavation measured approximately 130 feet long by 60 feet wide with the deepest portion of the floor located approximately 16 feet below the ground surface (bgs). A section of the pipeline was removed and the polyethylene liner project was continued. The two smaller excavations, depicted on the maps, were made to access the pipeline for the liner project. There was no visual evidence of impacted soil at either of these excavations and neither of these excavations penetrated the water table.

During this period, a portion of the excavation was deepened and a vacuum truck was utilized to remove phase separated hydrocarbons (PSH) from the excavation. In addition, a submersible pump and six oil skimmers have been utilized in order to facilitate the removal of PSH from the subsurface. As of May 1, 2000, approximately 8,585 gallons, or 204 barrels of PSH, has been recovered from the subsurface. A portion of the fluid has been re-injected into the pipeline system and the remainder has been disposed at a permitted facility in Eunice, New Mexico.

Also during this period, ETGI began field activities to determine the extent of impact as a result of the release. Between the period of January 25, 2000 and February 10, 2000, several soil borings were advanced of which most were completed as ground water monitoring wells. The distribution of the monitoring wells are depicted on Figure 2 and all subsequent maps of this report.

2.0 GEOLOGY/HYDROGEOLOGY

In the site vicinity, the surface is composed of unconsolidated, wind blown sands and finer materials associated with the Tertiary Ogallala Formation, which serves as a major aquifer for southeastern New Mexico and several high plains states. Alluvial, unconfined ground water is typically present in these sands at varying depths and generally flows from the north to the south. These aquifers are typically characterized by relatively high hydraulic conductivity and transmissivity.

The Ogallala is underlain by the Triassic Dockum Formation, commonly referred to as the "red beds". While there are sand lenses within the Dockum, it is more typically characterized by red silts and shales in which detectable ground water is often absent or limited in extent. Where ground water is present, the aquifer is usually characterized by relatively low hydraulic conductivity and transmissivity.

At the site, the subsurface is composed of approximately 20 feet of sand and caliche which unconformably overlies a horizon of red clay. The red clay corresponds to the Dockum Formation or "red beds". The top of the Dockum Formation represents an erosional surface on which the sands were later deposited. Areas of thick sand sections correspond to areas of greater erosion of the Dockum.

The ground water table occurs at a depth of approximately 16 feet bgs (19 feet from the top of the extended casing), which is near the interface of sand and clay at the site. Monitoring wells completed in that portion of the site area where the ground water occurs within the sand are characterized by high recharge rates and the measured hydraulic conductivity is high. Monitoring wells completed in that portion of the site where the ground water occurs in the red clay are characterized by slow recharge rates and low hydraulic conductivity.

In the site monitoring well samples, the concentration of total dissolved solids (TDS) ranged from 546 to 868 mg/L in the samples collected from the site monitoring wells. As per New Mexico WQCC statute 20.6.2 Subpart III.3101 and OCD Rule 19 NMAC 15.A.19.A, ground water with TDS concentrations of 10,000 mg/L or less are designated for beneficial use and subject to abatement.

3.0 FIELD ACTIVITIES

In order to determine the extent of impact resulting from the apparent release, field activities were conducted by Environmental Technology Group, Inc. (ETGI) on behalf of EOTT. Between January 25, 2000 and February 10, 2000, 27 soil borings were advanced at the site and 25 were completed as ground water monitoring wells. The soil boring logs

are provided as Appendix A and the monitoring well locations are posted on the site maps. Soil chemistry data from the soil borings are provided as Table 1 and the laboratory reports are provided as Appendix B.

The soil borings were advanced with an air-rotary drilling rig operated by Eades Drilling, Inc. of Hobbs, New Mexico. During the boring process, soil samples were collected at five foot intervals with a split spoon sampling tool when possible. A portion of all of the soil samples were field screened with a photoionization detector (PID) and the remainder was placed in a laboratory-cleaned, four ounce soil sample jar. Soil samples with the highest PID reading in each boring, and the sample nearest to the water table, were submitted for laboratory analysis. The water table depths on the boring logs are based on observations made during the boring process. The depth to PSH is difficult to measure during the boring process. Therefore, the depth to PSH is not depicted on the boring logs. However, these data are provided on Table 2.

The monitoring wells were generally developed within two days of completion. The PSH thickness and depth to water was measured regularly in the completed wells during field operations in order to guide the selection of subsequent well points. The first comprehensive ground water/PSH measurements were taken on February 16, 2000. The depth to PSH and/or ground water are depicted on Table 2. These data were collected at least 48 hours after the last removal of product or ground water through pumping operations as discussed below. It should be noted that all of the well casings were completed above ground with risers, which were enclosed in locking steel well heads. The depth to product and ground water is measured from the top of casing, which averages approximately three feet above the ground surface. The monitoring wells, and one domestic supply well, DW-1, were purged and sampled on the dates listed on Table 3. Additional ground water chemistry is provided as Table 4.

All soil samples selected for laboratory analysis were subjected to total petroleum hydrocarbon (TPH) analysis using EPA Method 8015M GRO/DRO. All ground water samples were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021B,5030. Ground water samples were also subjected to analysis of selected semi-volatiles, selected metals, chlorides, sulfates, carbonates, bicarbonates and total dissolved solids (TDS) as required by the New Mexico Oil Conservation Division (OCD). All laboratory results are provided as Appendix B.

Initial well locations were selected in order to define the extent of PSH in the release area. During this phase, the most significant volume of PSH was detected in monitoring well MW-12 (as much as 2.00 feet) and the water supply wells on the Durham property (as much as 4.40 feet) and the Reynolds property (as much as 0.84 foot). In addition, PSH was detected in monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8 and MW-16.

The absence of PSH in wells in the sequence, MW-9 through MW-18, suggests that the downgradient extent of PSH associated with the documented release has been defined. However, some of the initial wells, including monitoring wells MW-2 through MW-6, detected the presence of PSH north of the release point in an area considered to be upgradient from the documented release point. It should be noted that, since the thickness of PSH in the various wells has varied over time, this thickness is not posted on the boring logs found in Appendix A.

During the site investigation, two area landowners reported that there were two historical releases in the site vicinity which were unrelated to the current release. Mr. Bob Durham reported that there was a historical release near monitoring well MW-21. In order to locate the release point, soil borings SB-1 through SB-3 were advanced in the area to a depth of 22 to 25 feet bgs. Petroleum impacted soil (in excess of OCD action levels) was detected in the unsaturated zone in soil boring SB-3. This point is located in an area of distressed vegetation which appeared to be a topographically low point at which the released oil collected on the surface. The presence of impacted soil in the unsaturated zone, as depicted on Figure 3, appears to indicate the presence of a historical release in the area.

The second reported release was provided by one of the landowners living in the residential area located adjacent to the site to the west. He reported that a well head or tank battery release, described as being located some distance northwest of his house, which is located west of monitoring well MW-20, occurred several years ago. The release was reported to have impacted his water supply well, which is located an estimated 150 feet west of monitoring well MW-20. If the landowner's comments are accurate, it is probable that this off-site source, which is unrelated to EOTT operations, has contributed to the petroleum impact observed at the site.

The removal of PSH at the site has been ongoing since January 31, 2000. Several removal methods have been employed as described below:

- A vacuum truck has been utilized during most weekdays to remove PSH from the excavation, which has been deepened and enlarged to facilitate increased removal rates;

- A vacuum truck has been utilized to remove PSH from monitoring well MW-12, the water well on the Reynolds property, and recently, from an abandoned well on the Durham property near monitoring well MW-4;

- A submersible pump has been utilized to remove PSH from monitoring well MW-12;

- Pneumatic skimmer pumps have been installed in monitoring wells MW-2, MW-3, MW-4, MW-5, MW-7 and MW-16.

ETGI is working with Southwestern Public Service (SPS) to provide electricity to the site in order to operate the submersible pump and oil skimmers on a 24-hour basis. In the interim, the pump and oil skimmers will be operated during the day with a portable generator. A steel equipment shed and bermed storage tank have been installed on each side of the road to facilitate ongoing recovery of PSH.

As of May 1, 2000, approximately 8,585 gallons, or 204 barrels of PSH have been recovered from the subsurface. A portion of the fluid has been re-injected into the pipeline system and the remainder has been disposed of at a permitted facility in Eunice, New Mexico.

During the week of May 15, 2000, the existing excavation was reconfigured to allow for the installation of a 30 foot long PSH recovery trench. The trench contains a horizontal, slotted, eight-inch PVC pipe placed in gravel at the top of the water table. The horizontal pipe is attached to a vertical riser pipe, into which a six inch PSH skimmer will be installed. A plan, including system design and installation schedule, was submitted to the OCD for approval prior to installation. Approval for the procedure was granted by the OCD prior to the installation.

4.0 RESULTS

4.1 NEW MEXICO OIL CONSERVATION DIVISION (OCD) SOIL CLASSIFICATION

During the site investigation, soils that may be characterized by OCD guidelines as Highly Contaminated/Saturated Soils were observed in the vadose zone interval of the excavation walls. This material was located between four to eight feet bgs in the south, northwest and east walls of the excavation. This material may merge with saturated soils in the capillary fringe, however, the nature of the excavation walls prevented the confirmation of deeper hydrocarbon saturated soils.

With the exception of the monitoring well MW-1 location, which is located immediately adjacent to the excavation, Highly Contaminated/Saturated Soils were not observed in any of the other borings/monitoring wells. Therefore, it is assumed that this material is generally limited to the area between the excavation and the nearest monitoring wells. However, based on the thickness of PSH measured at the site, it is evident that there are hydrocarbon saturated materials in the capillary fringe and smear zones.

The ground water table occurs at a depth of approximately 16 feet bgs (19 feet from the top of the extended casing). An abandoned water supply well is located on the Bob Durham Property, between monitoring wells MW-4 and MW-20 and a water supply well is located on the Caleb Reynolds property, adjacent to the EOTT site. These site

conditions result in an OCD Ranking of greater than 19 points. The distance to the nearest surface water, not including man made excavations, is greater than 1,000 feet from the site. Therefore, this parameter has no bearing on determining the OCD ranking. Per the OCD Guidelines (1993), the soil remediation action levels for a site with a Ranking Score of greater than 19 are as follows:

- Benzene - 10 ppm
- BTEX - 50 ppm
- TPH - 100 ppm

Further reference to impacted soil in this report refers to soils that exceed this standard.

4.2 DISTRIBUTION OF HYDROCARBONS IN SOIL

The presence of petroleum impacted soil was detected in the unsaturated zone at eleven of the site monitoring wells. The greatest impact in the unsaturated zone was detected at the monitoring well MW-1 location, where a TPH concentration of 5,499 mg/kg was measured in the soil sample collected at five feet below the ground surface (bgs).

The data collected during the field activities were used to construct Figure 3, which is an isopach map of the thickness of impacted soil in the unsaturated zone. The presence of impacted soil above the water table indicates proximity to a near-surface release. As depicted on the map, three areas of near-surface soil impact were detected.

The lateral distribution of unsaturated zone impact is well defined around two of the areas. These include the documented release around the excavation and the reported release near monitoring well MW-21. However, the origin and lateral extent of impact around monitoring wells MW-20 and MW-23 are not well defined. The completion of additional monitoring wells to the west of monitoring well MW-20 would assist in making a reasonable determination regarding the extent and origin of this impact.

In addition to impacted soil in the unsaturated zone, a smear zone was detected in the area in which PSH was present. The greatest soil impact within the smear zone was detected at the monitoring well MW-12 location where the TPH concentration in the sample collected from 15 feet bgs was 3,501 mg/kg.

4.3 DISTRIBUTION OF HYDROCARBONS IN GROUND WATER

Shallow ground water at the site occurs near the unconformity between the underlying red

clay of the Dockum Formation and the unconsolidated sands associated with the overlying Ogallala Formation. At the site, this unconformity is present at depth that range between 14 to 24 feet bgs. This relationship is depicted on Figure 4, which is a cross-section across the site from the southwest to the northeast. The movement of fluids, including ground water and PSH, is enhanced where the ground water occurs in the sand, such as at monitoring well MW-12. However, the movement of fluids is significantly retarded in areas where the ground water occurs within the red clay, such as in monitoring well MW-14 (C.W. Fetter, *Applied Hydrogeology*, 1988) .

The ground water gradient, as depicted on Figure 5, slopes to the south at approximately 0.002 feet per foot north of the road but relatively steepens to 0.022 feet per foot on the south side of the road. The variations in gradient, as evidenced on the map, are most likely a function of variations in lithology at the water table as discussed above, and the presence of PSH within portions of the mapped area.

A plume of PSH is distributed in the subsurface across the site as depicted on Figure 6. The thickness of PSH is greatest at monitoring well MW-12, where measured PSH thickness was initially 2.20 feet. As depicted on the map, by February 25, 2000, the thickness had reduced to 1.39 feet.

As depicted on Figure 7, a sheen of oil was detected on the ground water at three of the site wells (MW-20, MW-21 and MW-23). A halo of sheen was projected to exist around the perimeter of PSH as shown on the map.

Dissolved phase petroleum constituents were detected in six of the monitoring well samples, four of which (MW-9, MW-10, MW-11 and MW-13) were above the OCD standard for benzene. These wells are generally located downgradient of the PSH plume. With the exception of benzo-a-pyrene, none of the ground water samples were in excess of New Mexico WQCC standards for other petroleum constituents including naphthalene (see Table 4). All of the samples were non-detect for benzo-a-pyrene, however the laboratory detection limit was 0.005 mg/L while the regulatory limit is 0.0007 mg/L. The analytical method used for this analysis is acceptable to the OCD and this detection limit is a function of this method. Therefore, it can not be concluded that ground water at the site does not exceed the regulatory limit for benzo-a-pyrene.

The extent and origin of petroleum impacted ground water to the west of monitoring wells MW-20 and MW-23 is not defined by the installed monitoring wells. However, the absence of hydrocarbon impacts, in the water supply well west of monitoring well MW-23 provides a southwestern limit to the area of impacted ground water.

In the site monitoring well samples, TDS concentrations range from 546 mg/L to 868 mg/L. New Mexico WQCC statute 20.6.2 Subpart III.3101 and OCD Rule 19 NMAC 15.A.19.A state that ground water with a TDS concentration of less than 10,000 mg/L is considered

to be of beneficial use and subject to abatement. Since all of the TDS sample concentrations from the site are below this value, the site ground water qualifies for beneficial use and is subject to abatement.

5.0 SUMMARY AND CONCLUSION

EOTT personnel detected evidence of a crude oil pipeline release during excavation work done to provide access to the pipeline in order to facilitate slip-lining of the pipeline. The release point is located on the eastern most pipeline of two parallel pipelines, both of which are owned and operated by EOTT Energy Corp. (EOTT).

During the initial response, an estimated 2,000 cubic yards of impacted soil was excavated and removed from the area immediately north of the highway. EOTT personnel indicated that the soil was taken to J&L Landfarm, located near Eunice, New Mexico. The resulting excavation measured approximately 130 feet long by 60 feet wide with the deepest portion of the floor located approximately 16 feet below the ground surface (bgs). A section of the pipeline was removed and the polyethylene liner project was continued.

During the site investigation, measurable PSH was detected in ten of the 25 monitoring wells. In addition, PSH was detected in the Bob Durham and Caleb Reynolds water supply wells, which are located northwest and west of the release point, respectively. . As of May 1, 2000, an estimated 8,585 gallons, or 204 barrels, of PSH have been removed from the subsurface as described above. The thickness of PSH in the monitoring wells and water wells over time is shown on Table 5.

During field activities, subsurface evidence of a release, located upgradient of the documented release, was detected in the area of soil boring SB-3. Impacted soil in the unsaturated zone of soil boring SB-3 and at monitoring well MW-21 appears to confirm the reported incident.

A landowner reported that a release occurred some distance to the north and west of his property which is located west of monitoring well MW-20. The release was reported to have impacted his water supply well, which appears to be located an estimated 150 feet to the west of monitoring well MW-20. If the landowners comments are accurate, it appears that an off-site source may have contributed to the petroleum impact observed at the site.

As depicted on Figure 5, a strong western component to the generally south trending gradient is present in the area northwest of the release point. It is possible that the presence of PSH in the release point build up enough hydraulic head to cause the movement of PSH to the northwest of the release point. Monitoring wells in this area also penetrated a relatively thick sand section at the water table which may have provided a

preferential path for the migration of PSH in this direction.

This apparent preferential path of migration continues to the northwest through monitoring well MW-20 and may continue further. This could provide a mechanism whereby the off-site release, located to the northwest, could impact the site.

Dissolved phase concentrations of aluminum, iron, manganese, cobalt and nickel were present in the ground water in excess of New Mexico WQCC standards. The presence of these metals in upgradient wells (MW-metals are present in both wells in which there is documented petroleum impact and those with no petroleum impact. Therefore, the presence of metals in the ground water at the site does not appear to be a function of the pipeline release.

6.0 MONITORING PLAN

All site monitoring wells will be gauged and sampled on a quarterly basis. Each well will be measured for the depth to PSH and/or ground water. All of the ground water monitoring wells, with the exception of those with measurable PSH on the water table, will be purged and sampled for BTEX and TPH.

After purging the wells, ground water samples will be collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves. Ground water sample containers will be filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers will be filled first and PAH containers second).

Ground water samples collected for BTEX analysis will be placed in 40 ml glass VOA vials equipped with Teflon lined caps. The containers will be provided by the analytical laboratory. The vials will be filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles. The containers will be provided by the analytical laboratory.

The filled containers will be labeled and placed on ice in an insulated cooler. The cooler will be sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation will be maintained throughout the sampling process.

The ground water samples will be analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015-GRO/DRO

The quarterly data will be compiled and summarized in an annual report. The annual report will be submitted prior to April 1 of the following year.

7.0 SCHEDULE OF ACTIVITIES

At the present time, PSH is being skimmed or pumped from all of the PSH impacted monitoring wells on a daily basis. In addition, permanent equipment has been installed that will allow the removal of product from these wells on a 24 hour basis once power is provided to the site. This system should be operational by May 2000 and will continue until measurable PSH has been removed from the site monitoring wells.

The second quarterly sampling event is scheduled for May 2000. Subsequent quarterly events will be conducted in August and November of the year 2000. The annual report will be provided to the OCD prior to April 1, 2001.

A Stage 2 abatement report, which will address the impacted soil and ground water, will be provided in the near future. Based on site conditions, future activities should include the abatement of soil and ground water as appropriate. Details of these remedial activities will be provided under separate cover.

8.0 QA/QC PROCEDURES

8.1 Soil Sampling

Samples of subsurface soils were obtained utilizing either a split spoon sampler (air rotary drilling rig) or a two inch, continuous sampling tube with a clean polybuterate liner (geoprobe). Representative soil samples were divided into two separate portions using clean, disposable gloves and clean sampling tools. One portion of the soil sample was placed in a disposable sample bag. The bag was labeled and sealed for head space analysis using a PID calibrated to a 100 ppm isobutylene standard. Each sample was allowed to volatilize for approximately 30 minutes at ambient temperature prior to conducting the analysis.

The other portion of the soil sample was placed in a sterile glass container equipped with a Teflon lined lid furnished by the analytical laboratory. The container was filled to capacity to limit the amount of head space present. Each container was labeled and placed on ice in an insulated cooler. Upon selection of samples for analysis, the cooler was sealed for shipment to the laboratory. Proper chain-of-custody documentation was maintained throughout the sampling process.

Soil samples were delivered to Environmental Lab of Texas, Inc. in Midland, Texas for BTEX and TPH analyses using the methods described below. Soil samples were analyzed for BTEX and TPH-GRO/DRO within 14 days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M-GRO/DRO

8.2 Ground Water Sampling

Monitoring wells were developed and purged with a clean PVC bailer. The bailer was cleaned prior to each use with Liqui-Nox detergent and rinsed with distilled water. Monitoring wells with sufficient recharge were purged by removing a minimum of three well volumes. Monitoring wells that did not recharge sufficiently were purged until no additional ground water could be obtained.

After purging the wells, ground water samples were collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves. Ground water sample containers were filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers will be filled first and PAH containers second).

Ground water samples, collected for BTEX analysis, were placed in 40 ml glass VOA vials equipped with Teflon-lined caps. The containers were provided by the analytical laboratory. The vials were filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles.

Ground water samples, collected for PAH analysis, were filled to capacity in sterile, one liter glass containers equipped with Teflon lined caps. Ground water samples, collected for metals analysis, were filled to capacity in sterile, 1 liter plastic containers equipped with Teflon lined caps. The containers were provided by the analytical laboratory.

The filled containers were labeled and placed on ice in an insulated cooler. The cooler was sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation was maintained throughout the sampling process.

The ground water samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M-GRO/DRO

8.3 Decontamination Of Equipment

Cleaning of drilling equipment was the responsibility of the drilling company. In general, the cleaning procedures consisted of using high pressure steam to wash the drilling and

sampling equipment prior to drilling and prior to starting each hole. Prior to use, the sampling equipment was cleaned with Liqui-Nox detergent and rinsed with distilled water.

8.4 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory. A review of the QA/QC data, transmitted with the laboratory reports, were reviewed by ETGI personnel. All instrumentation and extraction accuracy ranges were within acceptable limits. All blank samples were non-detect for the tested constituents and holding times, for all samples, were within established limits.

9.0 LIMITATIONS

Environmental Technology Group, Inc. has prepared this Subsurface Investigation Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

Environmental Technology Group, Inc. has `examined and relied upon documents referenced in the report and has relied on Instrument accuracy and extraction accuracy data provided by the laboratory. Environmental Technology Group, Inc. has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Environmental Technology Group, Inc. has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Environmental Technology Group, Inc. also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of EOTT Energy Corp. The information contained in this report including all exhibits and attachments, may not be used by any other party without the express consent of Environmental Technology Group, Inc. and/or EOTT Energy Corp.

DISTRIBUTION

Copies 1 and 2 to : EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Copy 3 to: New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Copy 4 to: Environmental Technology Group, Inc.
4600 West Wall Street
Midland, Texas 79703

COPY NO.: 4

TABLES

TABLES

TABLE 1

SUMMARY OF SOIL CHEMISTRY
BOB DURHAM RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1044C

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (feet)	Methods: EPA SW 846-8021B, 5030					Methods: EPA SW 846-8015M GRO/DRO	
			BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	m,p-XYLENE (mg/kg	o-XYLENE (mg/kg)	GRO C6-C10 (mg/kg)	DRO >C10-C25 (mg/kg)
MW-1	01/25/00	5'	2.51	13.7	13.2	51.5	17.3	1838	3661
MW-1	01/25/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-2	01/25/00	5'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-2	01/25/00	15'	<0.100	0.106	<0.100	0.129	<0.100	<10	26
MW-3	01/25/00	15'	<0.100	0.143	<0.100	0.150	<0.100	<10	29
MW-4	01/25/00	15'	<0.100	0.105	<0.100	<0.100	<0.100	<10	<10
MW-5	01/25/00	15'	<0.100	<0.100	<0.100	0.167	<0.100	11	210
MW-6	01/25/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	37
MW-7	01/26/00	15'	<0.100	0.168	0.170	0.720	0.383	49	420
MW-8	01/26/00	15'	<0.100	<0.100	<0.100	0.131	<0.100	<10	124
MW-9	01/26/00	15'	<0.100	0.452	0.312	0.978	0.583	<10	<10
MW-10	01/26/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-11	01/26/00	20'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-12	01/26/00	15'	<0.100	1.10	1.57	6.16	3.16	694	2807
MW-12	01/26/00	20'	<0.100	1.30	0.513	2.59	1.46	104	863
MW-13	01/27/00	5'	<0.100	0.110	<0.100	<0.100	<0.100	<10	<10
MW-13	01/27/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-14	01/27/00	15'	<0.100	0.216	0.243	0.264	0.143	<10	<10
MW-15	01/27/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-16	01/27/00	5'	<0.100	0.114	0.107	0.314	0.262	<10	<10
MW-16	01/27/00	10'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-16	01/27/00	15'	0.942	1.38	2.07	7.78	3.25	794	2032
MW-17	02/07/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-18	02/07/00	20'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-19	02/09/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-20	02/09/00	15'	<0.100	0.264	0.153	0.272	0.129	<10	<10
MW-22	02/10/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-23	02/10/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	349
MW-23	02/10/00	20'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-24	02/10/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-25	02/10/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
SB-1	01/28/00	15'	<0.100	<0.100	<0.100	0.115	<0.100	<10	17
SB-2	02/09/00	5'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
SB-2	02/09/00	15'	<0.100	<0.100	<0.100	0.190	<0.100	<10	<10
SB-3	02/09/00	10'	<0.100	<0.100	<0.100	0.164	<0.100	14	449
SB-3	02/09/00	15'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10

TABLE 2

GROUND WATER ELEVATION DATA
BOB DURHAM RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1044C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	02/16/00	3595.43	15.60	15.71	0.11	3579.81
MW-2	02/16/00	3595.64	15.47	15.76	0.29	3580.13
MW-3	02/16/00	3596.22	-	15.51	Sheen	3580.71
MW-4	02/16/00	3596.60	15.90	16.70	0.80	3580.58
MW-5	02/16/00	3596.56	17.30	17.38	0.08	3579.25
MW-6	02/16/00	3596.66	15.10	15.33	0.23	3581.53
MW-7	02/16/00	3596.96	17.67	18.58	0.91	3579.15
MW-8	02/16/00	3597.35	16.83	17.12	0.29	3580.48
MW-9	02/16/00	3593.95	-	18.23	-	3575.72
MW-10	02/16/00	3594.57	-	20.32	-	3574.25
MW-11	02/16/00	3593.77	-	19.37	-	3574.40
MW-12	02/16/00	3596.39	18.82	20.21	1.39	3577.36
MW-13	02/16/00	3592.71	-	19.59	-	3573.12
MW-14	02/16/00	3592.73	-	19.53	-	3573.20
MW-15	02/16/00	3595.93	-	18.54	-	3577.39
MW-16	02/16/00	3595.75	16.53	17.01	0.48	3579.15
MW-17	02/16/00	3593.17	-	18.24		3574.93
MW-18	02/16/00	3593.39	-	18.65	-	3574.74
MW-19	02/16/00	3599.33	-	17.45	-	3581.88
MW-20	02/16/00	3597.64	-	17.13	-	3580.51
MW-21	02/16/00	3596.88	-	15.98	-	3580.90
MW-22	02/16/00	3598.34	-	17.23	-	3581.11
MW-23	02/16/00	3598.07	-	17.83	-	3580.24
MW-24	02/16/00	3598.01	-	16.97	-	3581.04
MW-25	02/16/00	3599.25	-	18.79	-	3580.46

TABLE 3

SUMMARY OF GROUND WATER CHEMISTRY
BOB DURHAM RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1044C

SAMPLE LOC.	SAMPLE DATE	Methods: EPA SW 846-8021B, 5030					Methods: EPA 375.4, 325.3, 310, 160.1				
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)	SULFATE (mg/L)	CHLORIDE (mg/L)	CARBONATE (mg/L)	BICARBONATE (mg/L)	TDS (mg/L)
MW-3	02/03/00	0.480	0.235	0.153	0.441	0.170	82.8	80	0	300	568
MW-9	02/02/00	0.020	0.007	0.001	0.004	0.002	107.8	106	0	300	660
MW-10	02/02/00	0.009	0.004	<0.001	<0.001	<0.001	109.5	89	0	300	618
MW-11	02/02/00	0.027	0.009	0.002	0.004	0.001	182.5	115	0	350	823
MW-13	02/02/00	0.821	0.008	0.020	0.007	0.004	89.8	115	0	370	703
MW-14	02/03/00	0.004	0.001	<0.001	<0.001	<0.001	230.0	106	0	350	840
MW-15	02/03/00	<0.001	<0.001	<0.001	<0.001	<0.001	178.8	106	0	350	803
MW-17	02/17/00	0.001	<0.001	<0.001	<0.001	<0.001	248	133	0	300	864
MW-18	02/17/00	<0.001	<0.001	<0.001	<0.001	<0.001	251	142	0	280	868
MW-19	02/17/00	<0.001	<0.001	<0.001	<0.001	<0.001	102	89	0	220	501
MW-22	02/17/00	<0.001	<0.001	<0.001	<0.001	<0.001	213	89	0	300	722
MW-24	02/17/00	<0.001	<0.001	<0.001	<0.001	<0.001	105	80	0	240	546
MW-25	02/17/00	<0.001	<0.001	<0.001	<0.001	<0.001	97	89	0	230	548
DW-1	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A

TABLE 4

ADDITIONAL GROUND WATER CHEMISTRY
BOB DURHAM RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT # EOT1044C

Analyte (mg/L)	MW-3 02/03/00	MW-9 02/02/00	MW-10 02/02/00	MW-11 02/02/00	MW-13 02/02/00	MW-14 02/03/00	MW-15 02/03/00	Reporting Limit
Naphthalene	0.013	ND	ND	ND	ND	ND	ND	0.005
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	0.005
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	0.005
Fluorene	ND	ND	ND	ND	ND	ND	ND	0.005
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	0.005
Anthracene	ND	ND	ND	ND	ND	ND	ND	0.005
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.005
Pyrene	ND	ND	ND	ND	ND	ND	ND	0.005
Benzo[a]anthracene	ND	ND	ND	ND	ND	ND	ND	0.005
Cyrysene	ND	ND	ND	ND	ND	ND	ND	0.005
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.005
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.005
Benzo[a]pyrene	ND	ND	ND	ND	ND	ND	ND	0.005
Indeno[1,2,3-odjpyrene	ND	ND	ND	ND	ND	ND	ND	0.005
Dibenz[a,h]anthracene	ND	ND	ND	ND	ND	ND	ND	0.005
Benzo[g,h,l]perylene	ND	ND	ND	ND	ND	ND	ND	0.005

Analyte (mg/L)	MW-17 02/17/00	MW-18 02/17/00	MW-19 02/17/00	MW-22 02/17/00	MW-24 02/17/00	MW-25 02/17/00	Reporting Limit
Naphthalene	ND	ND	ND	ND	ND	ND	0.005
Acenaphthylene	ND	ND	ND	ND	ND	ND	0.005
Acenaphthene	ND	ND	ND	ND	ND	ND	0.005
Fluorene	ND	ND	ND	ND	ND	ND	0.005
Phenanthrene	ND	ND	ND	ND	ND	ND	0.005
Anthracene	ND	ND	ND	ND	ND	ND	0.005
Fluoranthene	ND	ND	ND	ND	ND	ND	0.005
Pyrene	ND	ND	ND	ND	ND	ND	0.005
Benzo[a]anthracene	ND	ND	ND	ND	ND	ND	0.005
Cyrysene	ND	ND	ND	ND	ND	ND	0.005
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	ND	0.005
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	ND	0.005
Benzo[a]pyrene	ND	ND	ND	ND	ND	ND	0.005
Indeno[1,2,3-odjpyrene	ND	ND	ND	ND	ND	ND	0.005
Dibenz[a,h]anthracene	ND	ND	ND	ND	ND	ND	0.005
Benzo[g,h,l]perylene	ND	ND	ND	ND	ND	ND	0.005

ND = Below Reporting Limit

METHOD: EPA SW846-8270C, 3510

TABLE 4

ADDITIONAL GROUND WATER CHEMISTRY
BOB DURHAM SITE INVESTIGATION
LEA COUNTY, NM
ETGI PROJECT# EOT1044C

Analyte (mg/L)	MW-3 02/03/00	MW-9 02/02/00	MW-10 02/02/00	MW-11 02/02/00	MW-13 02/02/00	MW-14 02/03/00	MW-15 02/03/00	REPORTING LIMIT
Aluminum	28.70	ND	ND	ND	ND	55.70	11.90	5.000
Arsenic	ND	ND	ND	ND	ND	ND	ND	0.1000
Barium	1.530	ND	ND	ND	ND	1.340	1.090	1.000
Beryllium	ND	ND	ND	ND	ND	ND	ND	0.0040
Cadmium	ND	ND	ND	ND	ND	0.0140	ND	0.0100
Calcium	626.0	138.0	279.0	712.0	430.0	2540	2020	10.00
Chromium	ND	ND	ND	ND	ND	0.1200	0.0610	0.0500
Cobalt	ND	ND	ND	ND	ND	0.2180	ND	0.0500
Copper	ND	ND	ND	ND	ND	ND	ND	1.000
Iron	15.70	ND	2.180	2.190	2.970	33.30	6.330	1.000
Lead	ND	ND	ND	ND	ND	0.0530	ND	0.0500
Magnesium	34.40	18.30	22.30	27.50	26.90	73.50	38.50	1.000
Manganese	0.5010	ND	ND	0.4900	ND	16.40	0.5620	0.2000
Mercury	ND	ND	ND	ND	ND	ND	ND	0.00020
Molybdenum	ND	ND	ND	ND	ND	ND	ND	1.00
Nickel	ND	ND	ND	ND	ND	0.2150	ND	0.2000
Potassium	13.90	7.780	6.640	8.230	7.140	32.80	12.50	1.000
Selenium	ND	ND	ND	ND	ND	ND	ND	0.0500
Silver	ND	ND	ND	ND	ND	ND	ND	0.05000
Sodium	69.10	100.0	82.50	152.0	89.10	155.0	169.0	1.000
Tin	0.0630	ND	ND	0.0580	0.0540	0.1240	0.0910	0.0500
Vanadium	0.1230	0.0270	0.0400	0.0460	0.0350	0.3060	0.0810	0.0200
Zinc	ND	ND	ND	ND	ND	ND	ND	10.00
Boron	ND	ND	ND	ND	ND	ND	ND	0.750
Strontium	1.32	1.02	1.20	1.25	1.26	2.30	1.70	0.050

ND = Below Reporting Limit

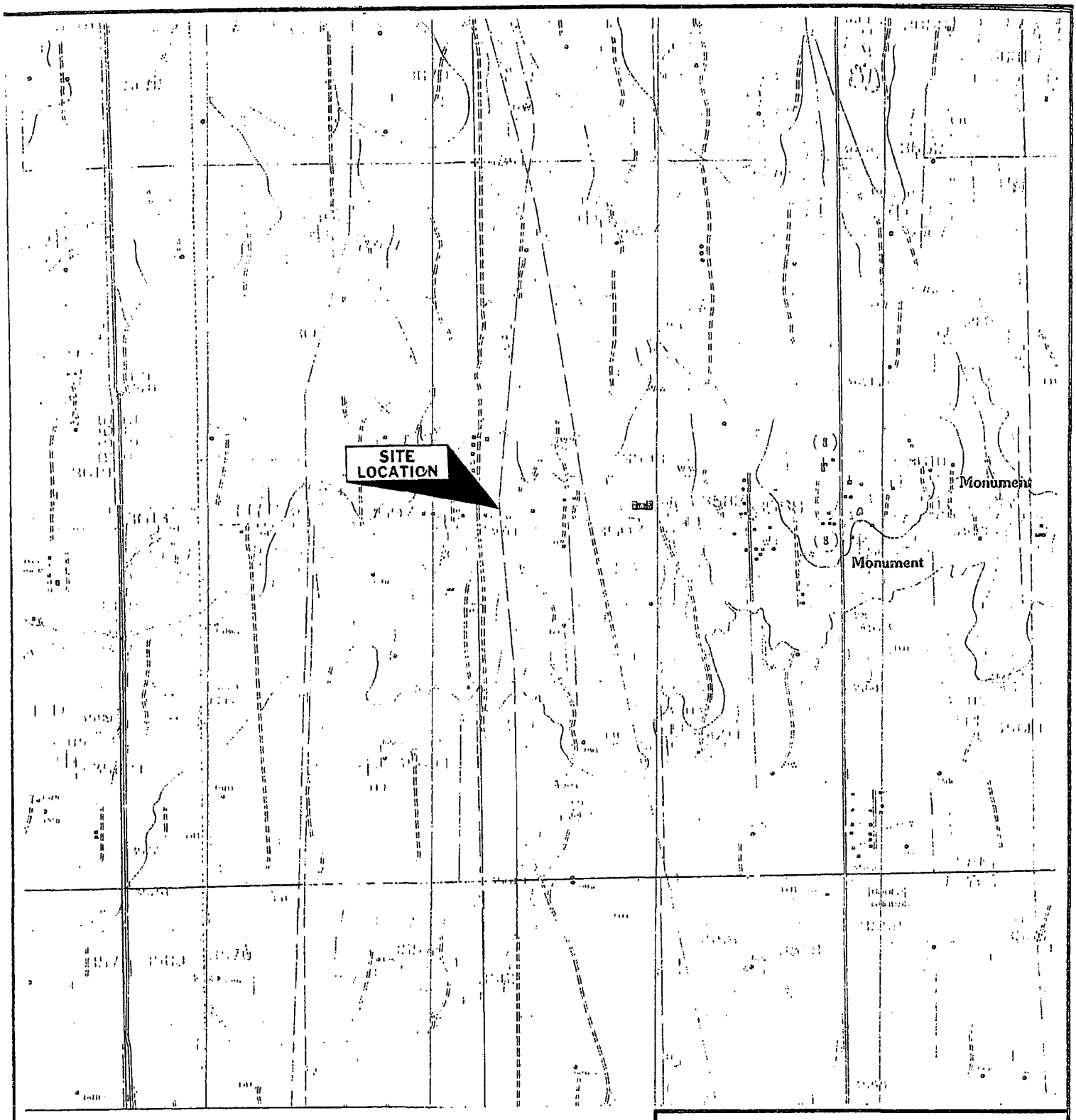
METHOD: EPA SW846-6010B, 7470

TABLE 5

PSH GAUGING DATA
BOB DURHAM RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT # EOT1044C

Well Number	Date Measured	Depth to Product	Depth to Water	PSH Thickness
MW-1	02/02/00	15.38	15.48	0.10
	02/25/00	15.60	15.71	0.11
MW-2	02/02/00	15.41	15.61	0.20
	02/25/00	15.47	15.76	0.29
MW-4	02/02/00	15.89	16.49	0.60
	02/25/00	15.90	16.70	0.80
MW-5	02/02/00	17.06	17.92	0.86
	02/25/00	17.30	17.38	0.08
	03/29/00	17.56	17.68	0.12
	05/17/00	17.43	17.78	0.35
MW-6	02/02/00	15.31	15.38	0.07
	02/25/00	15.10	15.33	0.23
MW-7	02/02/00	17.56	18.48	0.92
	02/25/00	17.67	18.58	0.91
	03/29/00	17.58	18.82	1.24
	05/17/00	17.73	18.46	0.73
MW-8	02/02/00	16.85	17.13	0.28
	02/25/00	16.83	17.12	0.29
MW-12	02/02/00	18.47	20.47	2.00
	02/25/00	18.82	20.21	1.39
	03/09/00	18.65	20.01	1.36
	03/29/00	18.87	19.85	0.98
	04/06/00	19.11	19.86	0.75
	05/17/00	18.45	19.36	0.91
MW-16	02/02/00	16.39	17.12	0.73
	02/25/00	16.53	17.01	0.48
	03/09/00	17.00	17.47	0.47
	03/29/00	17.48	17.71	0.23
	05/17/00	16.94	17.20	0.26
BD WELL	03/09/00	14.43	18.75	4.32
	03/29/00	14.35	18.75	4.40
	04/06/00	14.35	14.42	0.07
	05/17/00	14.41	18.75	4.34
WELL HOUSE	03/09/00	15.96	16.80	0.84
	03/29/00	16.11	16.65	0.54
	04/06/00	16.23	16.76	0.53
	05/17/00	15.96	16.40	0.44

FIGURES



NM

QUADRANGLE LOCATION
S32, T19S, R37E

MONUMENT NORTH & MONUMENT SOUTH
QAUDRANGLE NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

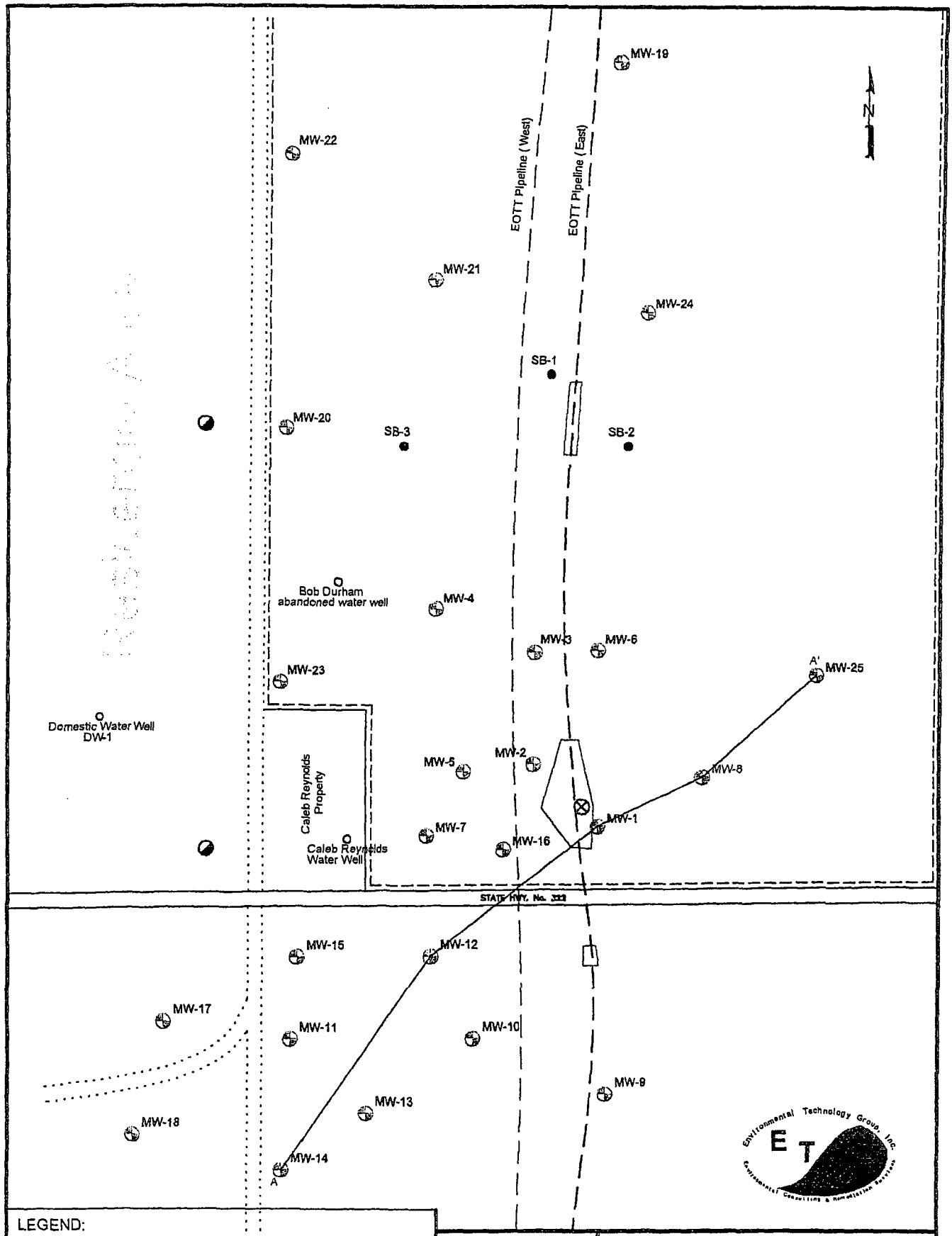
N

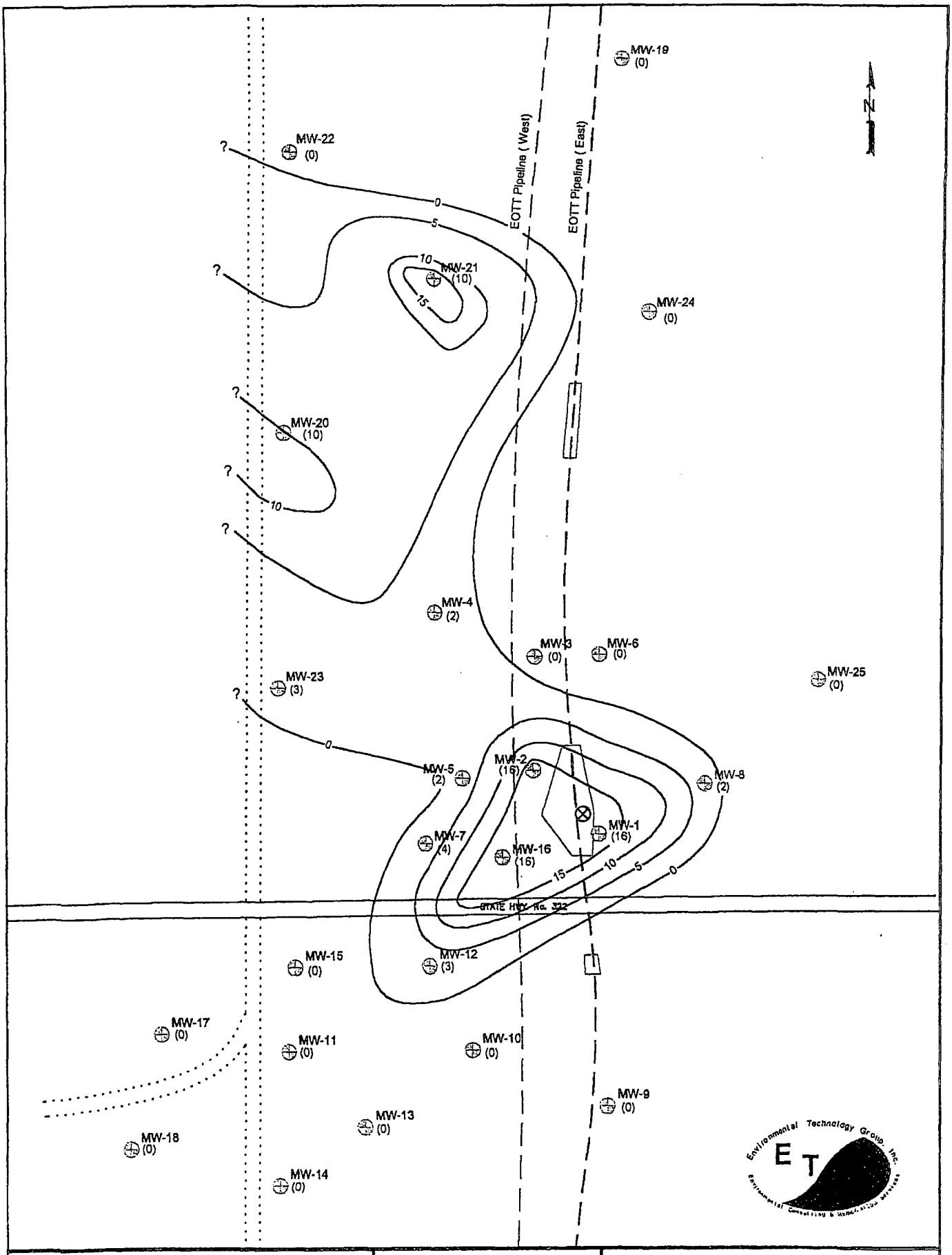
scale: 1" = 2000'

FIGURE 1
SITE LOCATION MAP
EOTT ENERGY CORP.
Bob Durham
LEA COUNTY, NM

PROJECT NO.	PREPARED BY:
EOT 1041C	R. STEVENS
DATE	REVIEWED BY:
5-09-00	J. TAYLOR

Environmental Technology Group, Inc.
ETG
Environmental Consulting & Remediation Services


MW-19
MW-22
EOTT Pipeline (West)
EOTT Pipeline (East)
N
MW-21
MW-24
SB-1
MW-20
SB-3
SB-2
Bob Durham
abandoned water well
MW-4
MW-3
MW-6
A'
MW-25
MW-23
Domestic Water Well
DW-1
MW-5
MW-2
MW-8
Caleb Reynolds
Property
MW-1
MW-7
Caleb Reynolds
Water Well
MW-16
STATE HWY. No. 332
MW-15
MW-12
MW-17
MW-11
MW-10
MW-9
MW-13
MW-18
MW-14
A
LEGEND:
ETGI Monitoring Well Locations
Proposed Monitoring Wells
Release Point
Line of Cross Section A-A'
Soil Boring Locations
Excavation Areas
Dirt Road
Bob Durham Property Line
Figure 2
Site Map
EOTT Energy Corp.
Bob Durham
Lea County, NM
Environmental Technology Group, INC.
Scale: 1" = 130'
Prep By: RS
Checked By: JT
March 7, 2000
ETGI Project # 1044C



LEGEND:

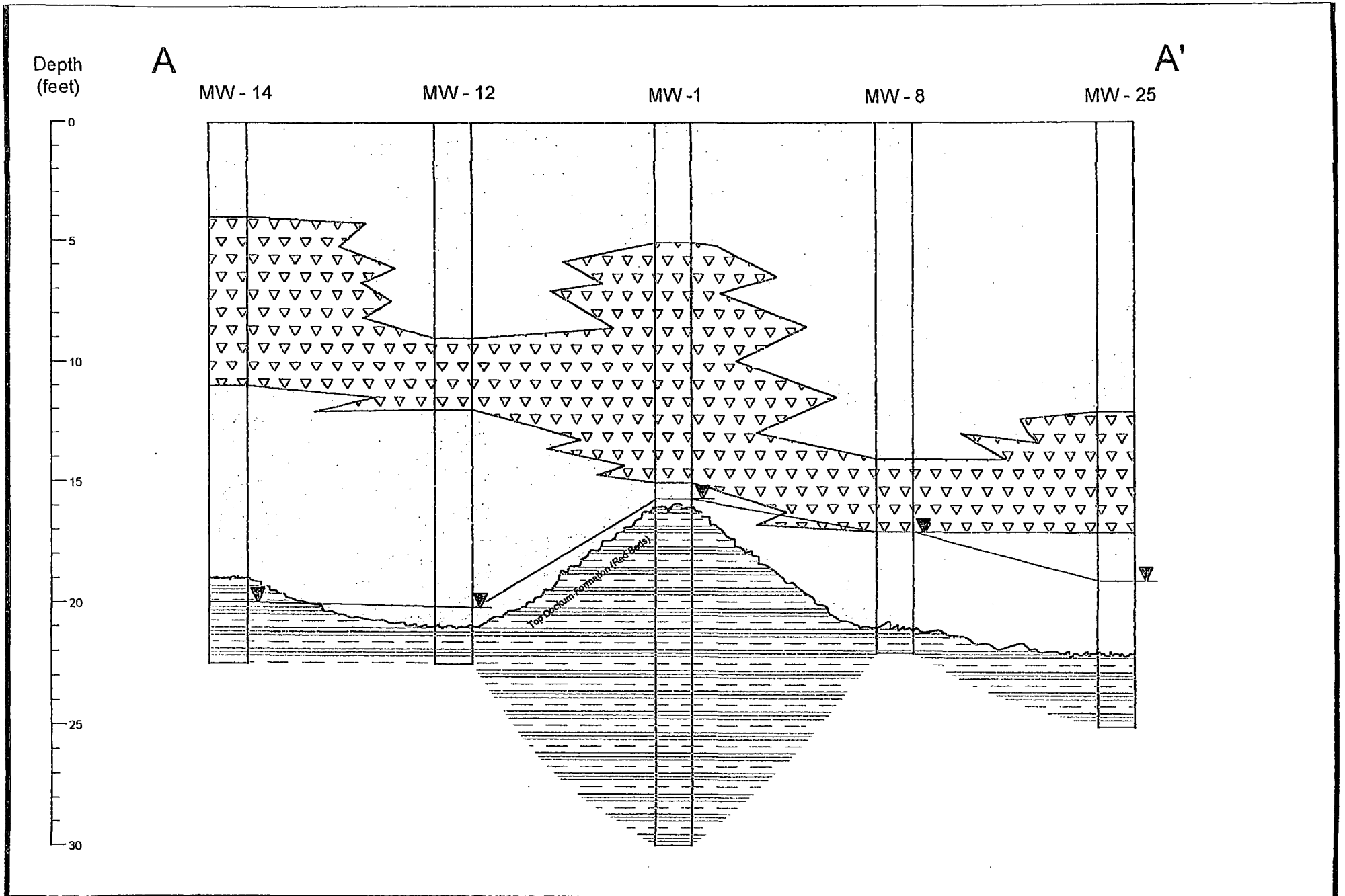
- ETGI Monitoring Well Locations
- Release Point
- EOTT Pipeline
- Excavation Areas
- Dirt Road

Figure 3
Ispach-Thickness of Impacted Soil in the Unsaturated Zone

EOTT Energy Corp.
BOb Durham
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 150	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # 1044C	



Legend

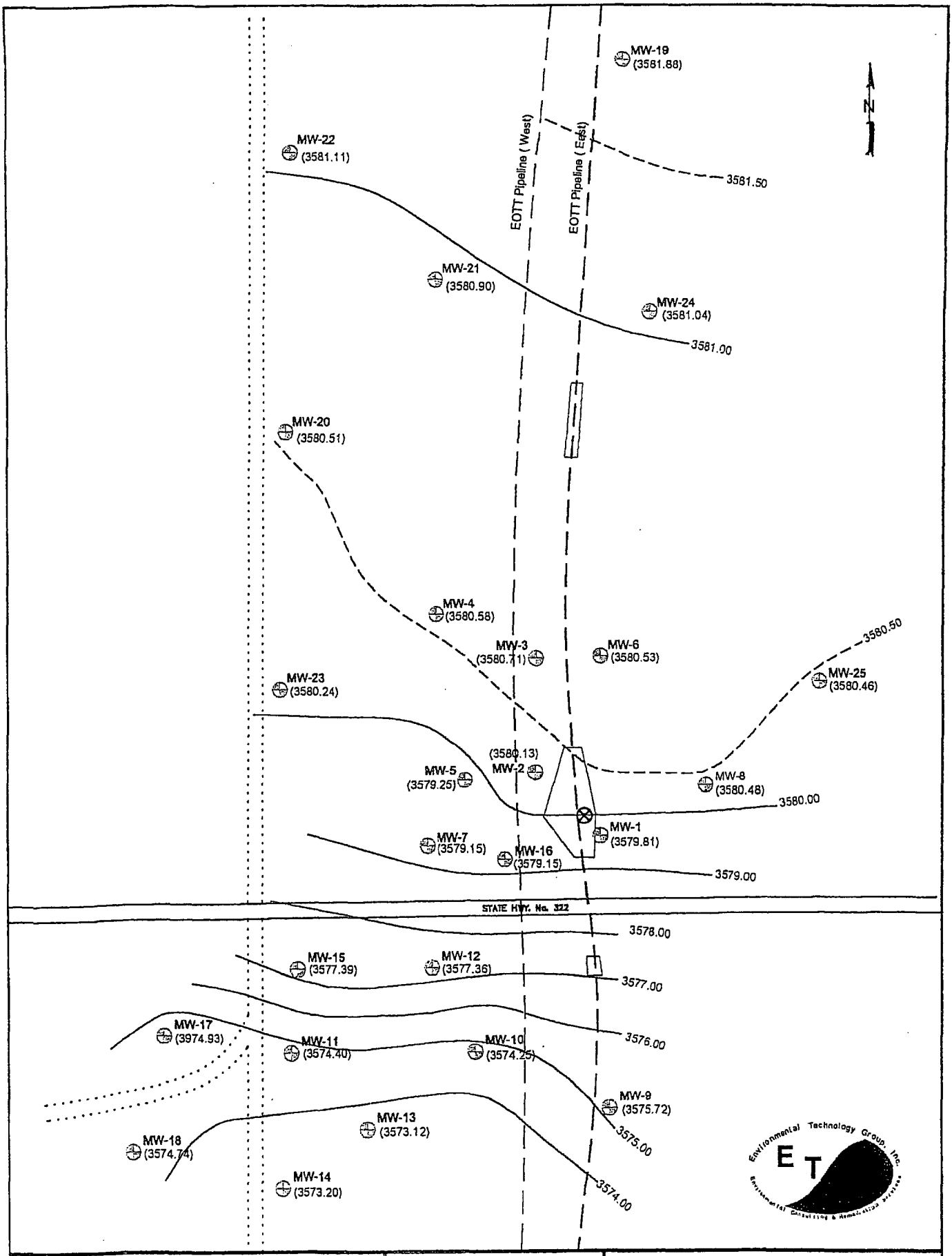
- Sand
- Caliche
- Caliche
- Top of Ground Water

Figure 4
Cross - Section
A - A'

EOTT Energy Corp.
Bob Duram
Lea County, N.M.

Environmental Technology Group, INC.

Scale: USE SCALE	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT 1044C	



LEGEND:

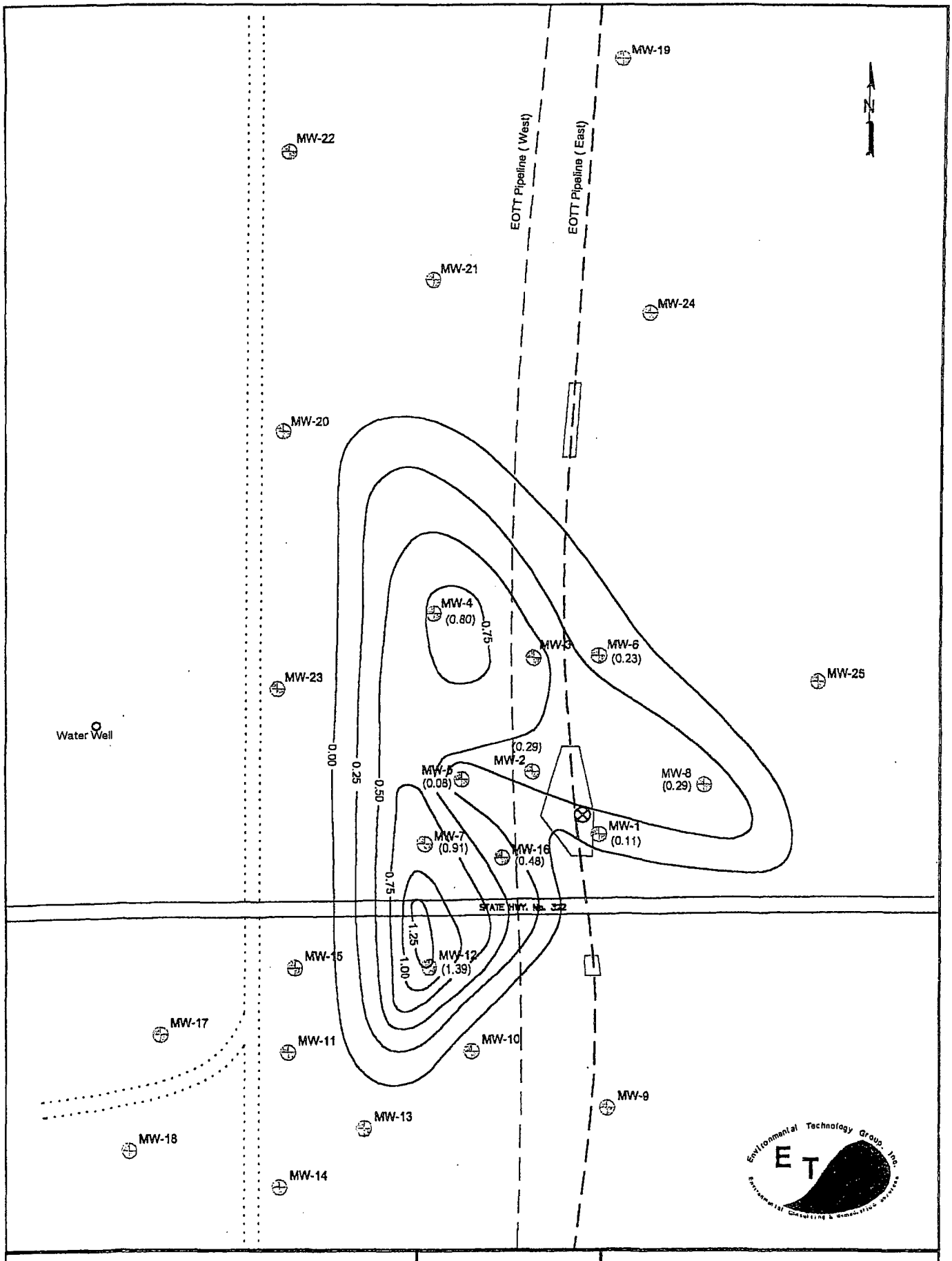
- ETGI Monitoring Well Locations
- Release Point
- EOTT Pipeline
- Dirt Road
- Excavation Areas
- 1.00 Foot Contours
- 0.50 Foot Contours

Figure 5
Inferred Ground Water Gradient Map 2/25/00

EOTT Energy Corp.
BOb Durham
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 150	Prep By: RS	Checked By: JT
March 16, 2000	ETGI Project # 1044C	



LEGEND:

- ETGI Monitoring Well Locations
- Release Point
- EOTT Pipeline
- Excavation Areas
- Dirt Road

Figure 6
Isopach PSH Thickness

EOTT Energy Corp.
BOb Durham
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 150'	Prep By: RS	Checked By: JT
March 16, 2000	ETGI Project # 1044C	

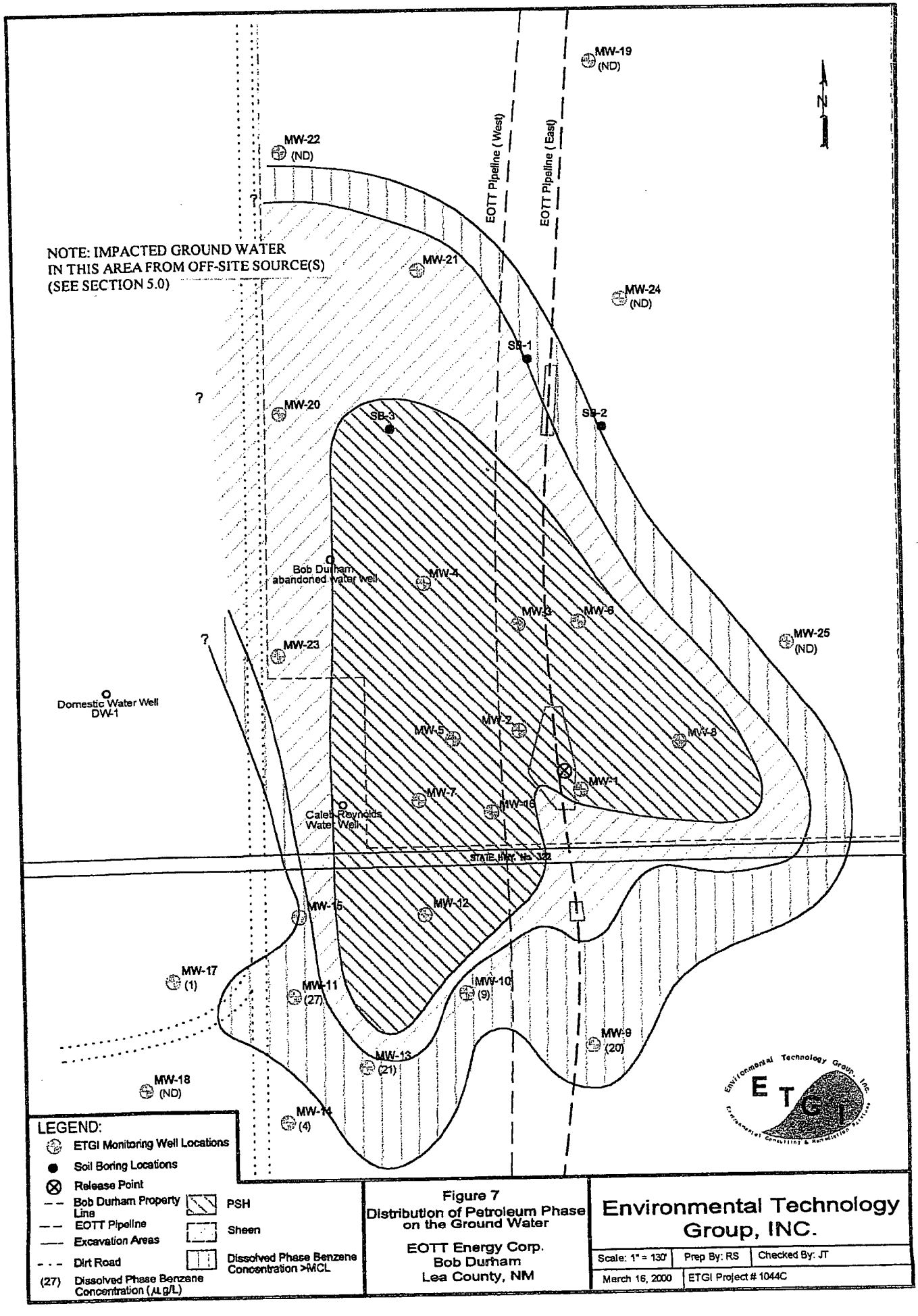


Figure 7
Distribution of Petroleum Phase on the Ground Water

EOTT Energy Corp.
Bob Durham
Lea County, NM

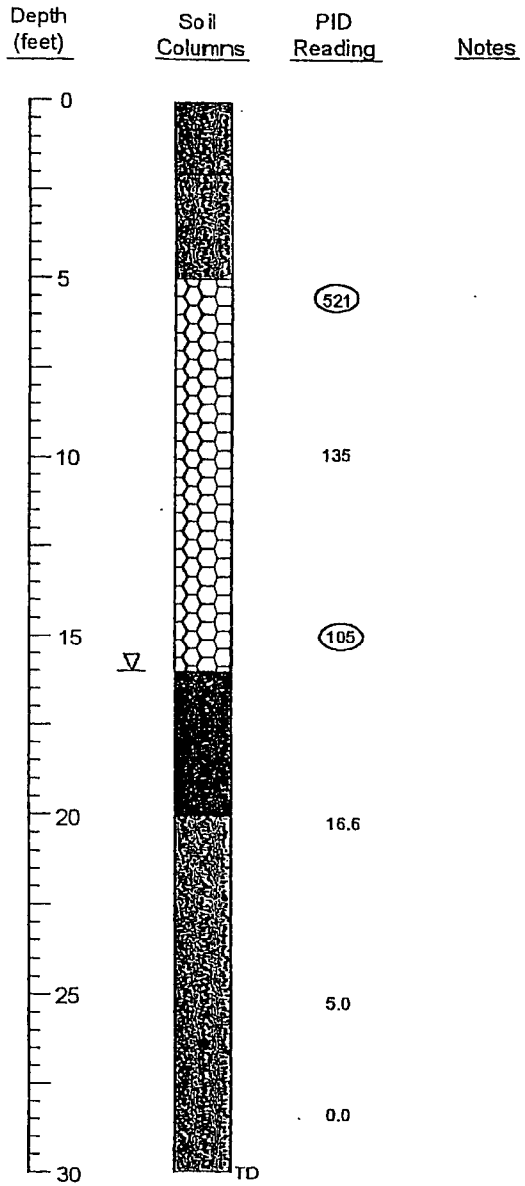
Environmental Technology Group, INC.

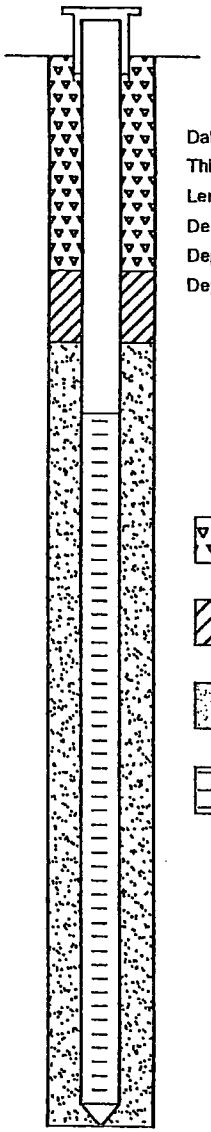
Scale: 1" = 130'	Prep By: RS	Checked By: JT
March 16, 2000	ETGI Project # 1044C	

APPENDICES

APPENDIX A

Monitoring Well MW - 1





Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dalling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

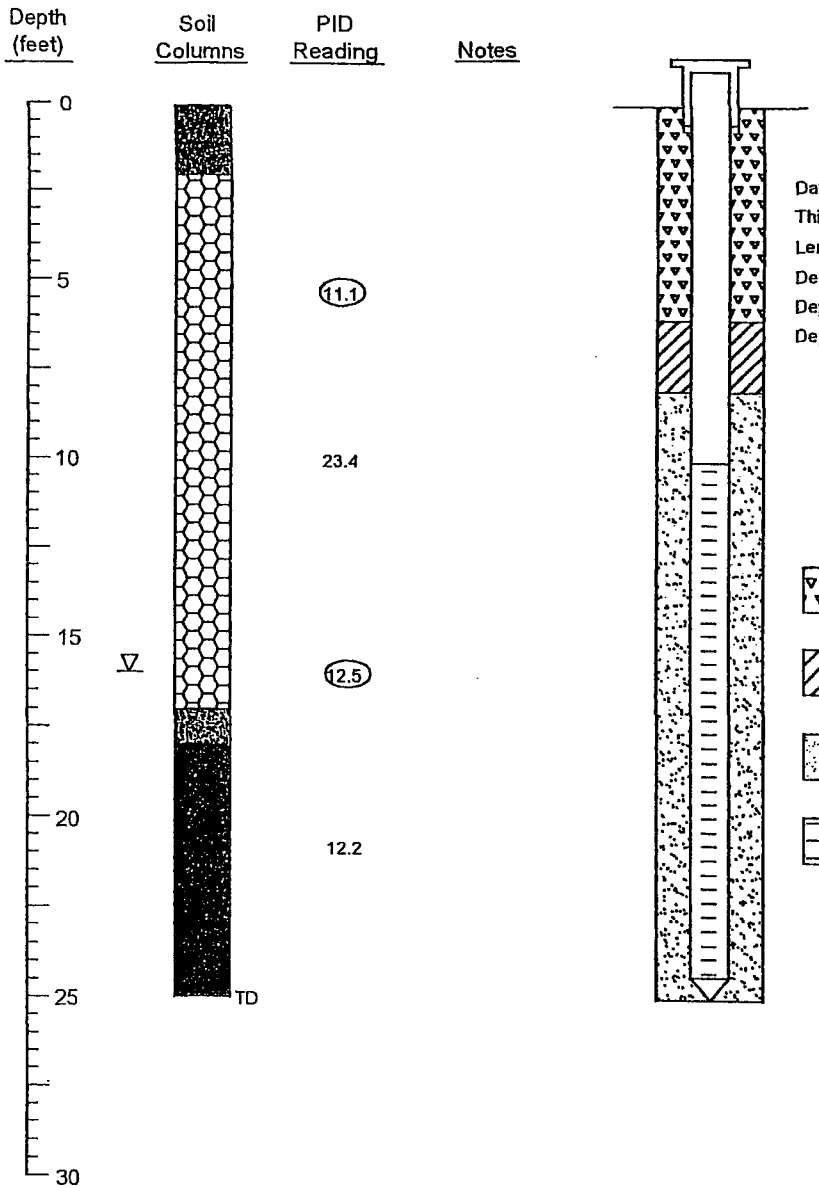
Monitoring Well - 1

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 2



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

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Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

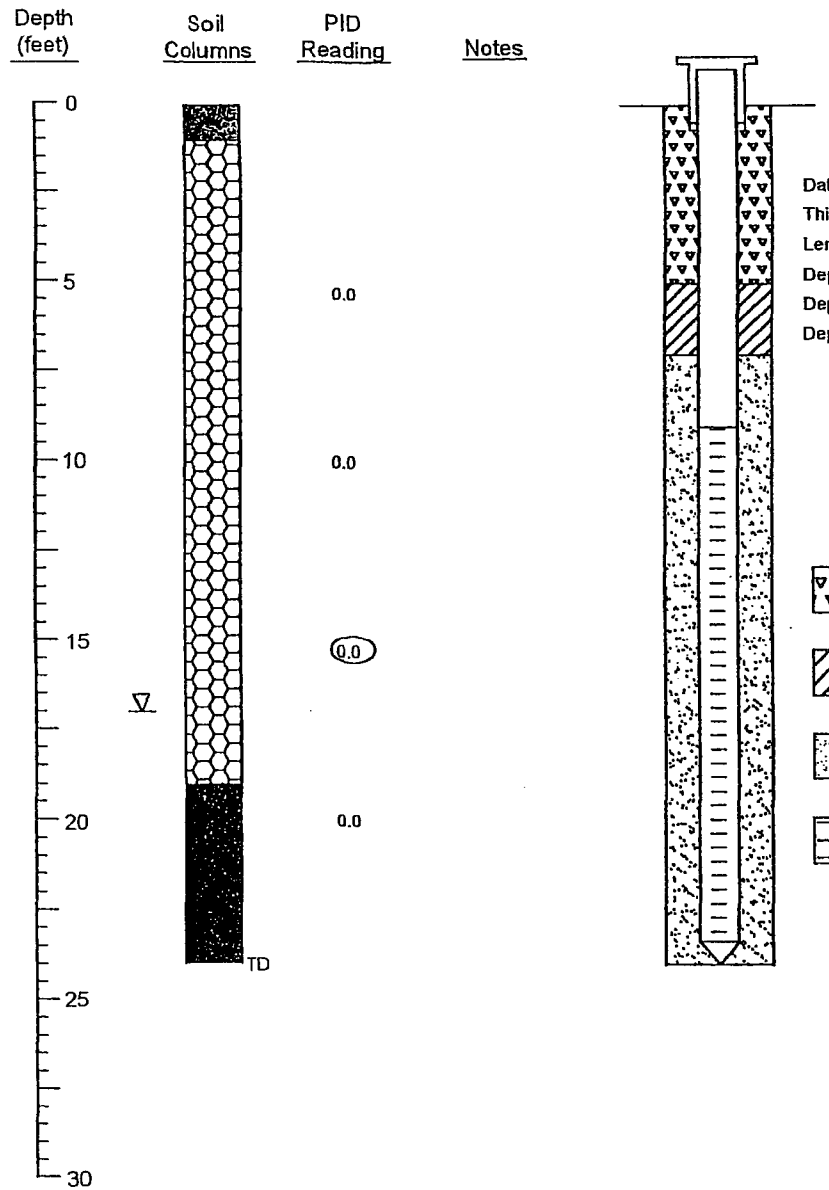
Monitoring Well - 2

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 3



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

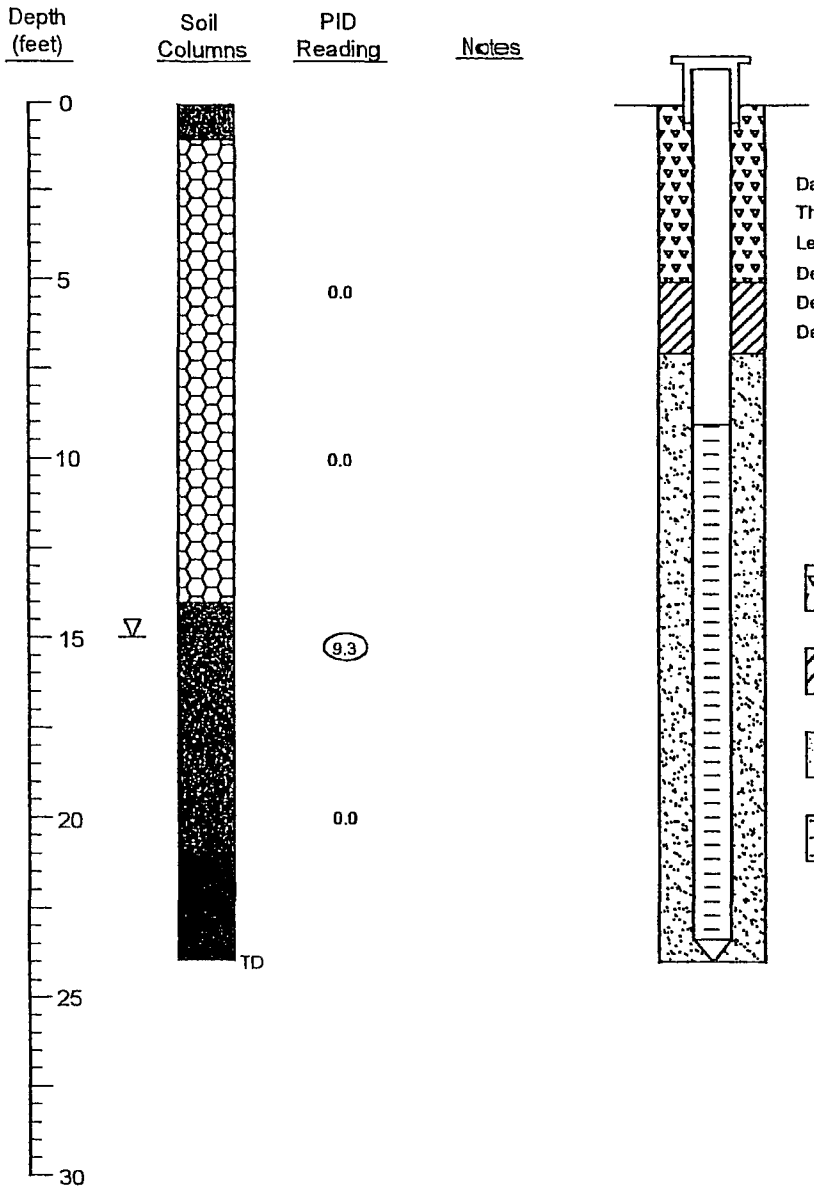
Monitoring Well - 3

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 4



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization delector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

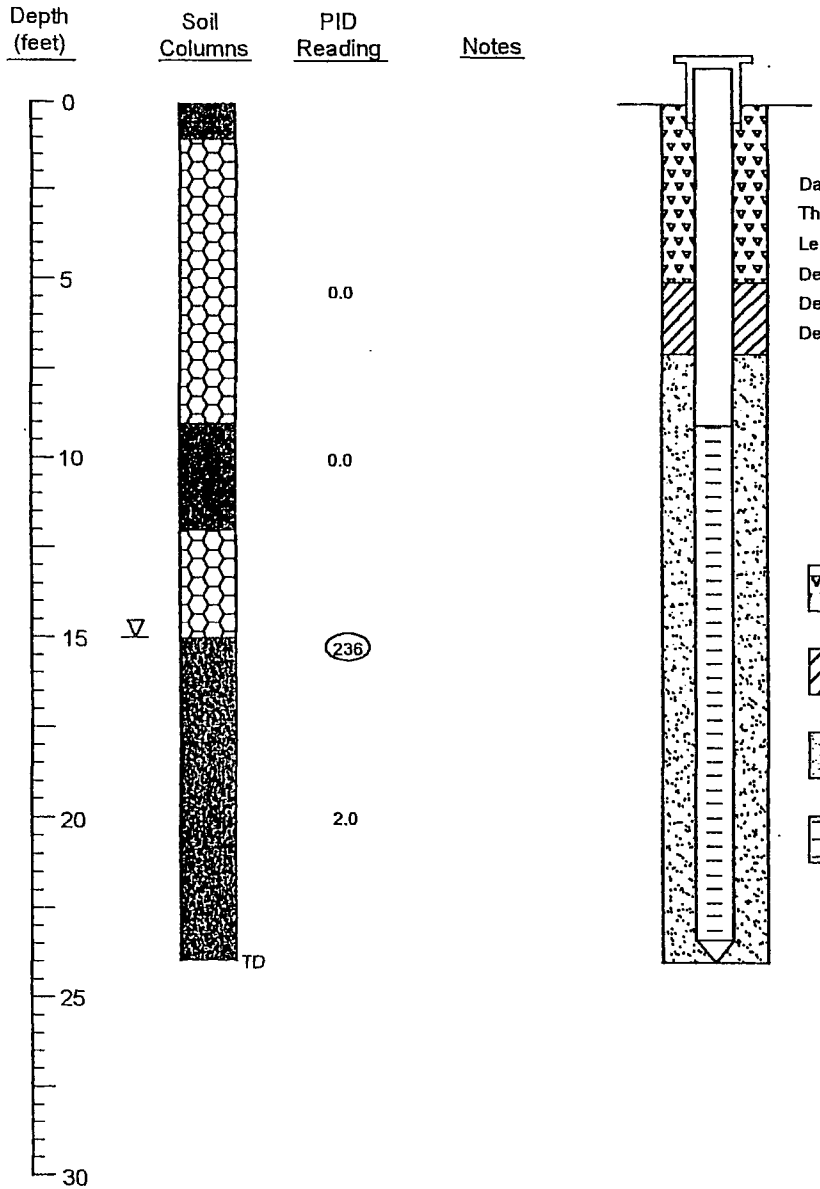
Monitoring Well - 4

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 5



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-Ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

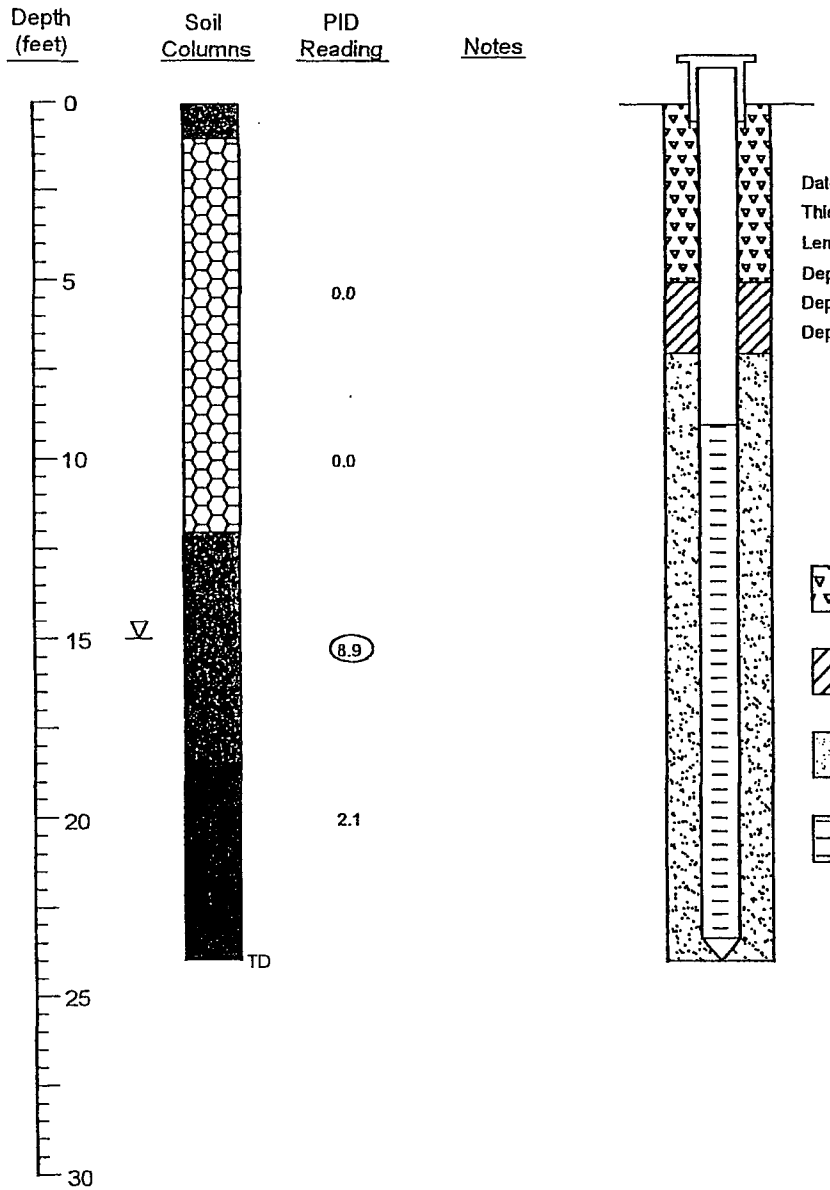
Monitoring Well - 5

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 6



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. *The well is protected with a locked slick up steel cover and a compression cap.*
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

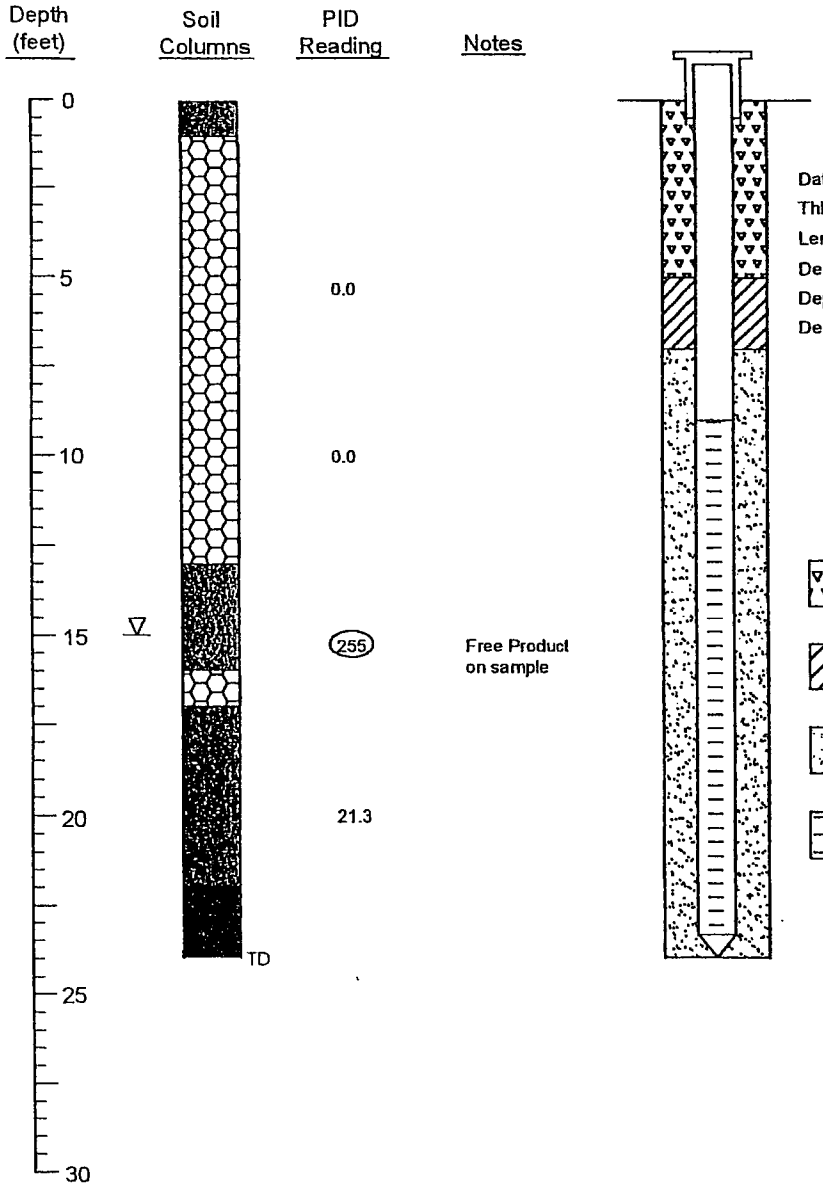
Monitoring Well - 6

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 7



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

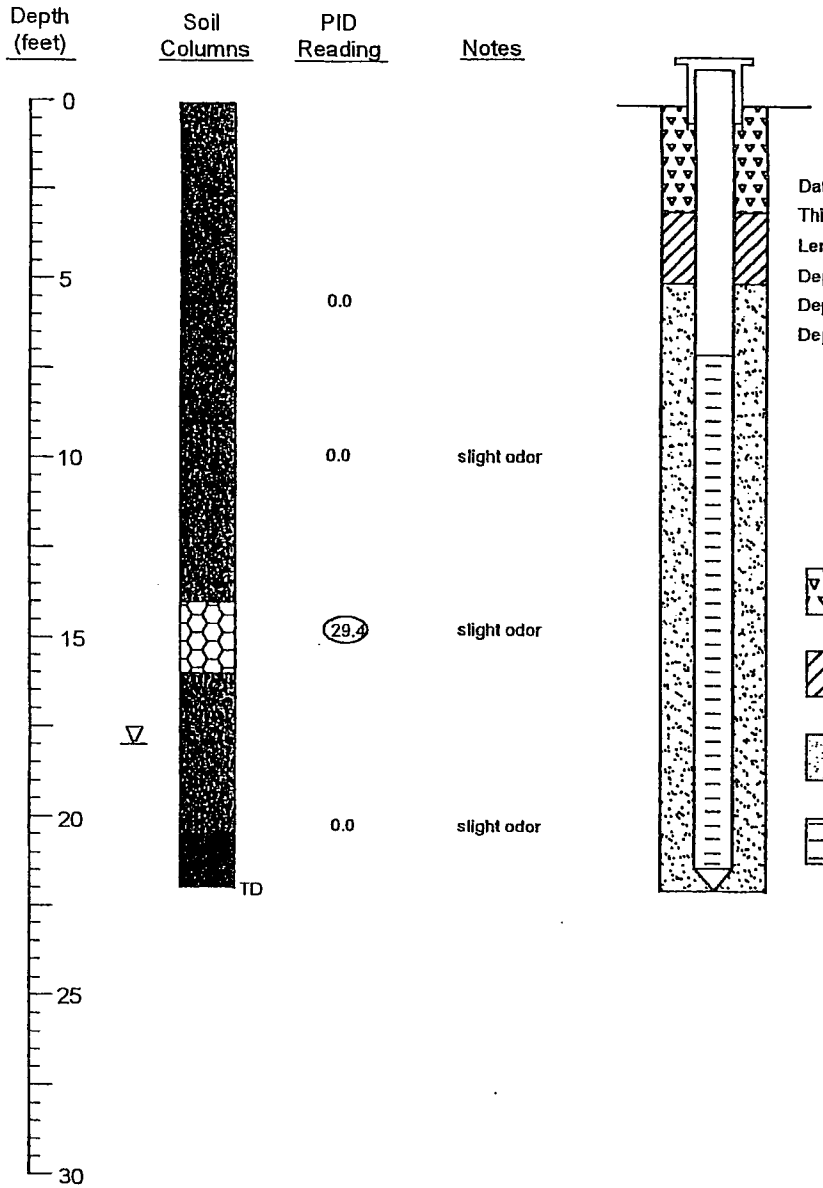
Monitoring Well - 7

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 8



Monitoring Well Details

Date Drilled	01 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22 ft
Depth of Exploratory Well	22 ft
Depth to Ground Water	18 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

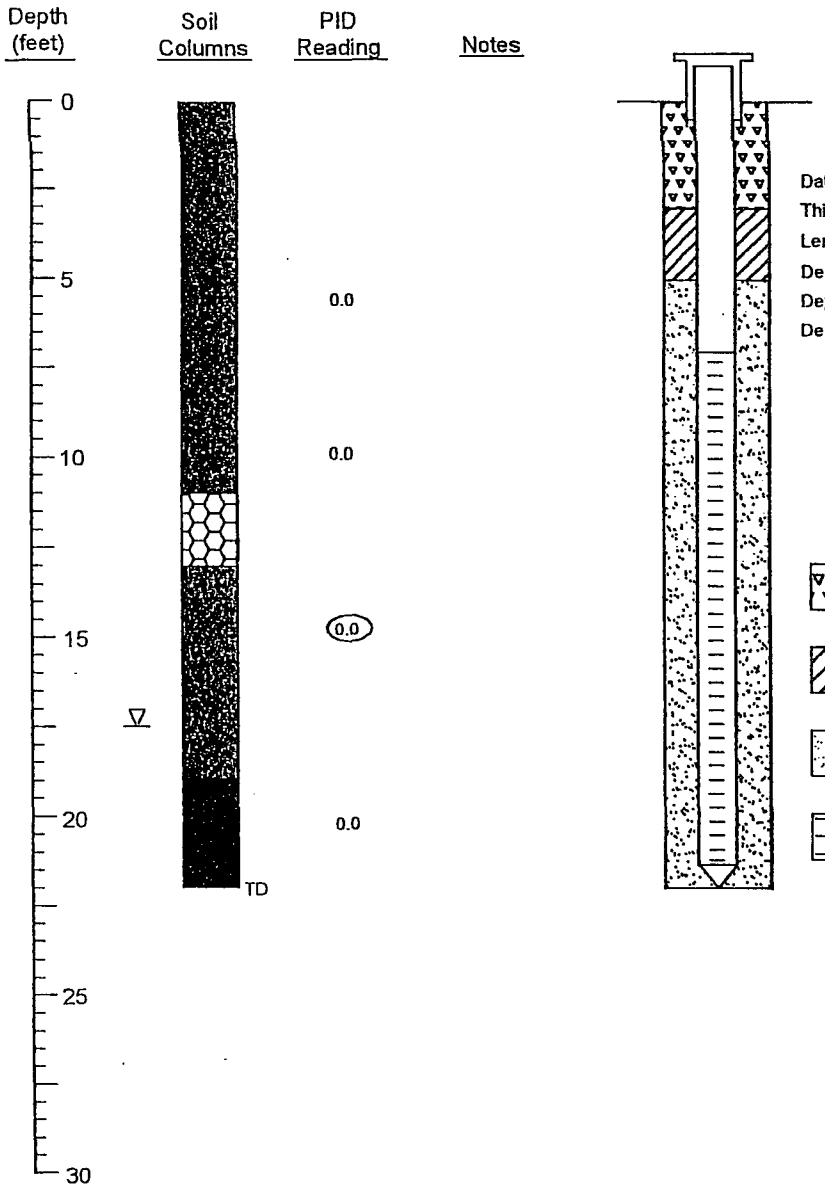
Monitoring Well - 8

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 9



Monitoring Well Details

Date Drilled	01 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22 ft
Depth of Exploratory Well	22 ft
Depth to Ground Water	17.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

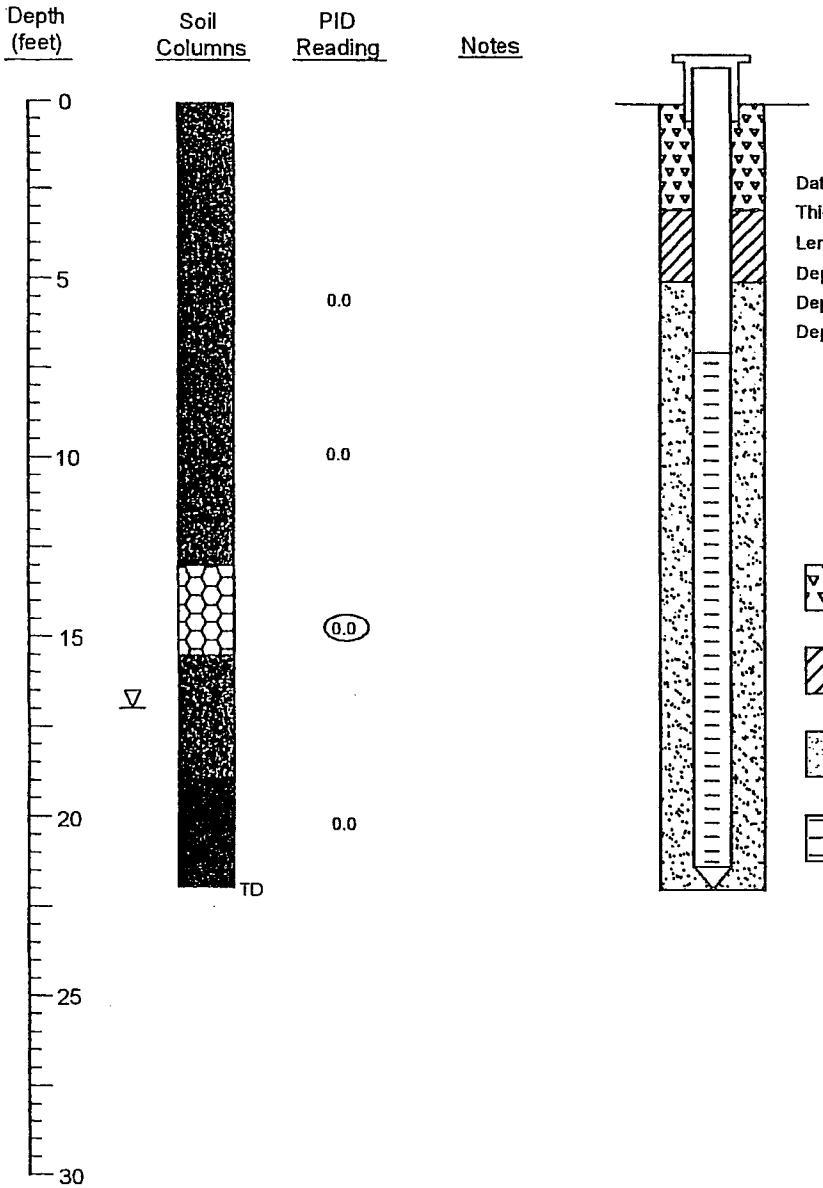
Monitoring Well - 9

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 10



Monitoring Well Details

Date Drilled	01 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22 ft
Depth of Exploratory Well	22 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

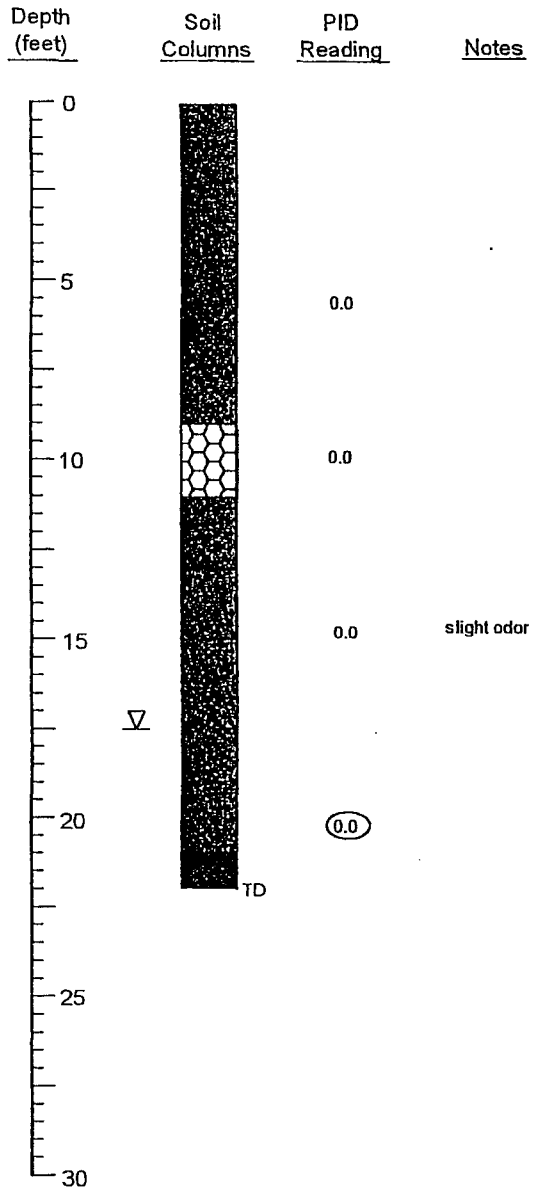
Monitoring Well - 10

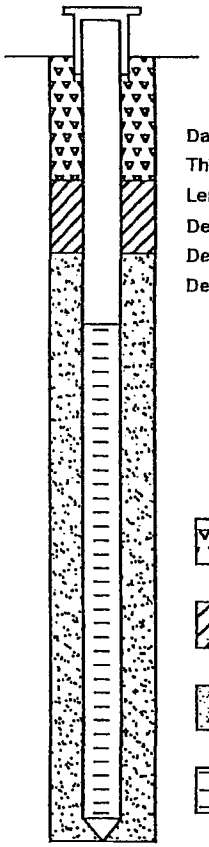
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 11





Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

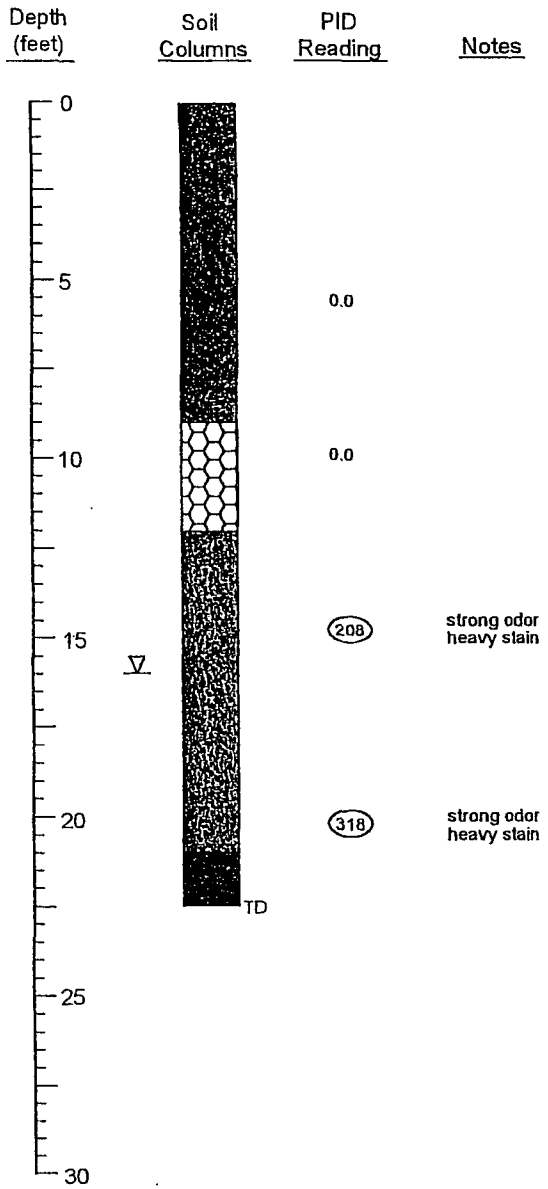
Monitoring Well - 11

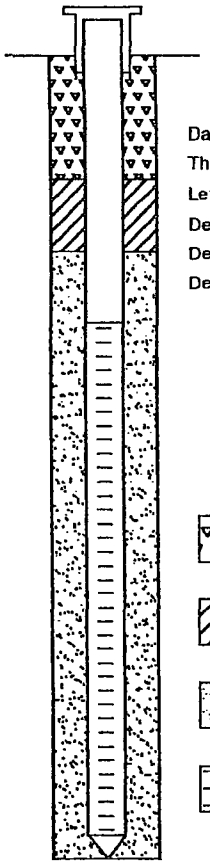
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 12





Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

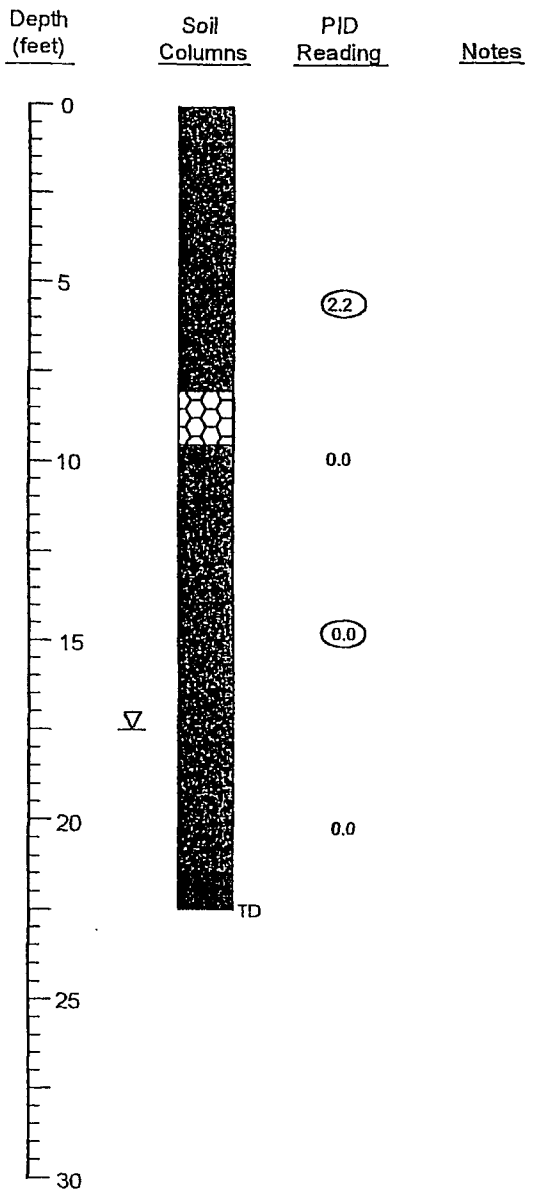
Monitoring Well - 12

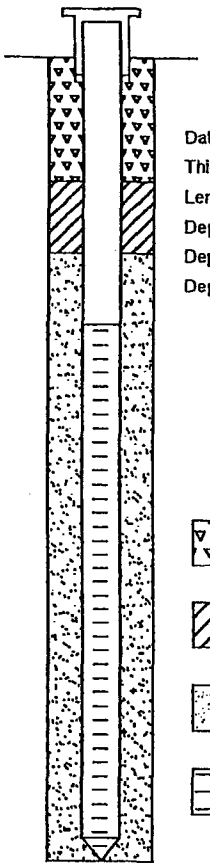
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 13





Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	17.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

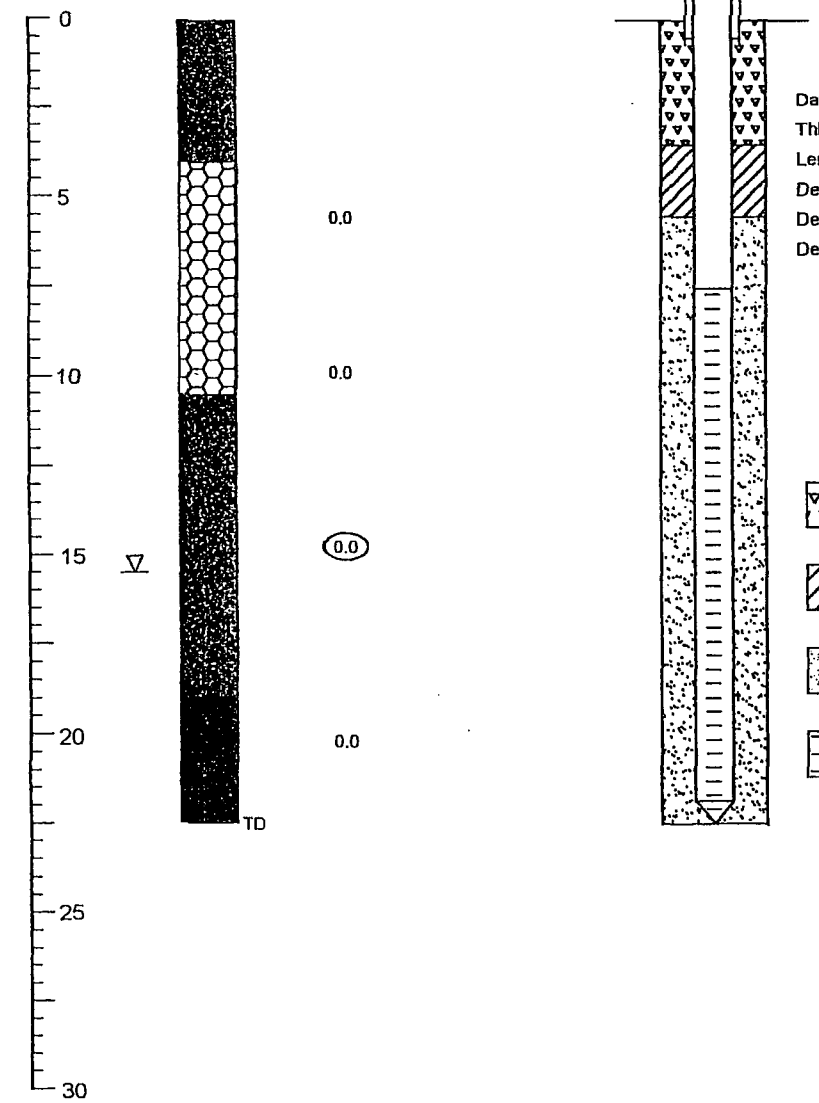
Monitoring Well - 13

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 14



Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	15.5 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)
- Caliche - White, hard, interbedded with sand.
- Indicates samples selected for laboratory analysis.
- Indicates the PSH level measured on date.
- Indicates the ground water level measured on date.
- PID Head-space reading in ppm obtained with a photo-lonization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be graduat.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

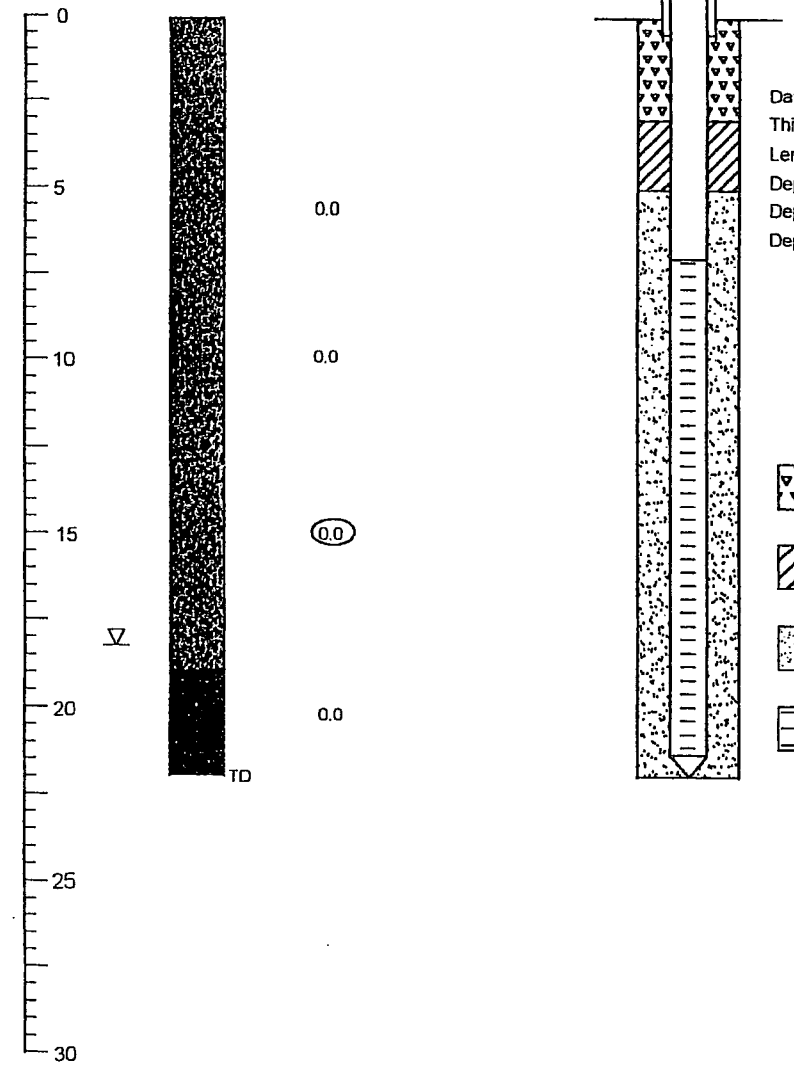
Monitoring Well - 14

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 15



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

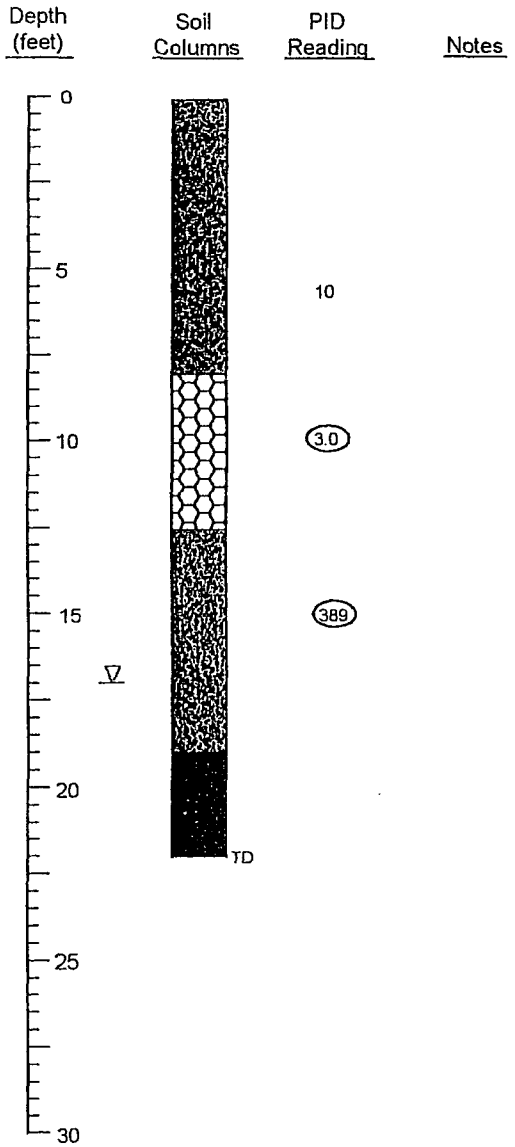
Monitoring Well - 15

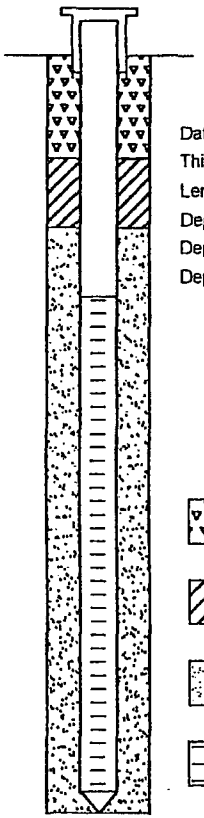
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 16





Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

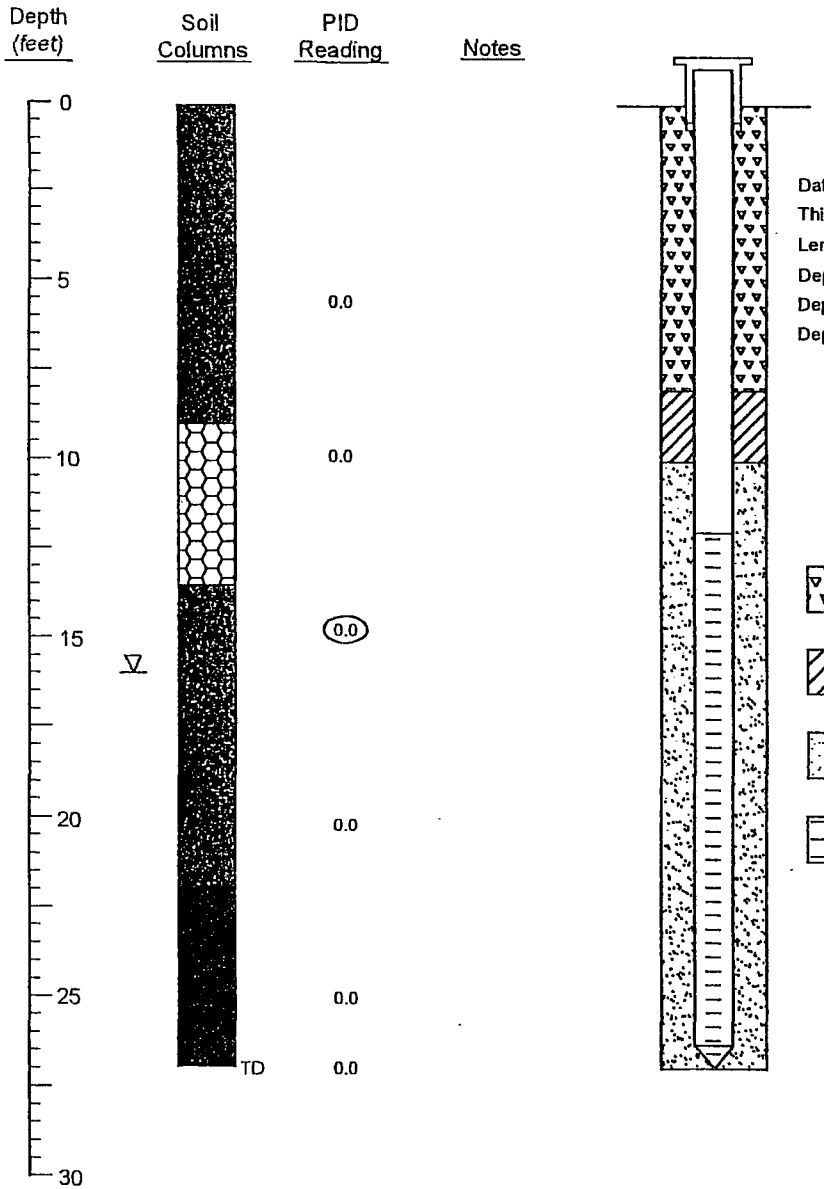
Monitoring Well - 16

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 17



Monitoring Well Details

Date Drilled	02 - 07 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

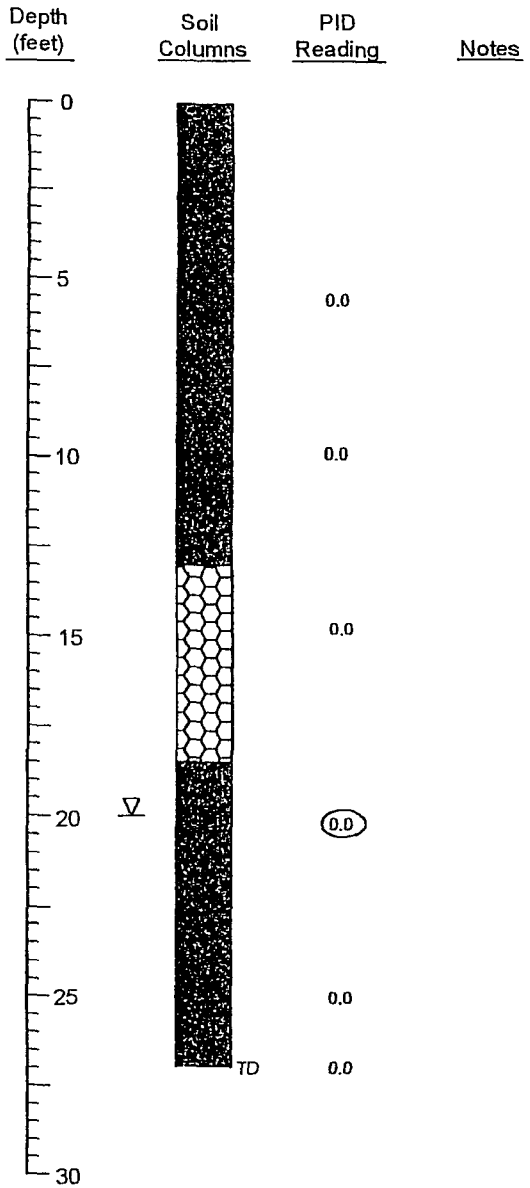
Monitoring Well - 17

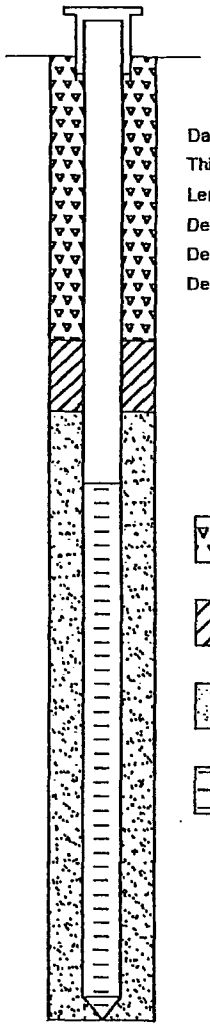
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 18





Monitoring Well Details

Date Drilled	02 - 07 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	20 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

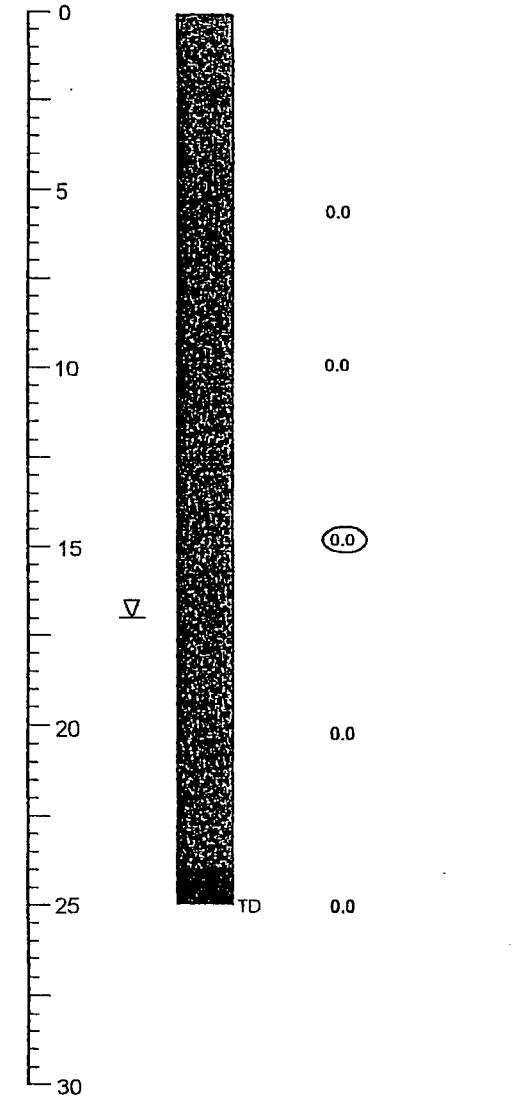
Monitoring Well - 18

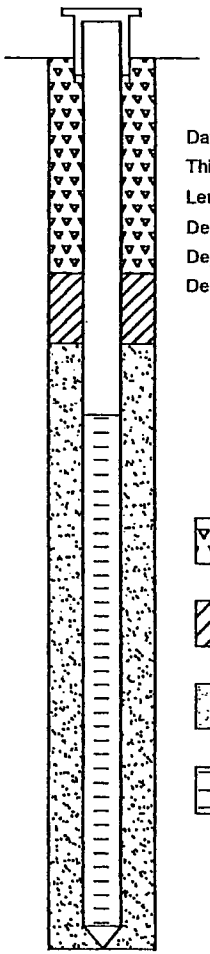
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 19





Monitoring Well Details

Date Drilled	02 - 09 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	18 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

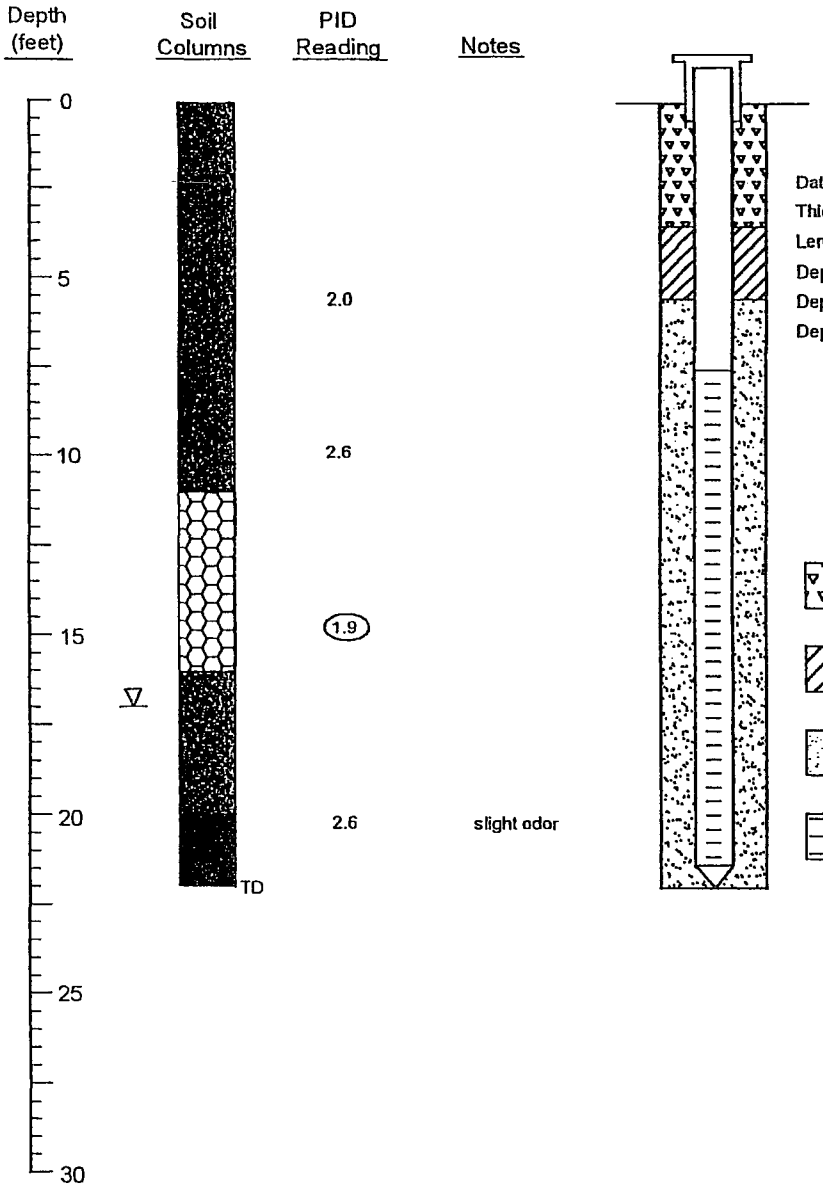
Monitoring Well - 19

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 20



Monitoring Well Details

Date Drilled	02 - 09 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, *moderate to strong odor, moderate stain.*

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

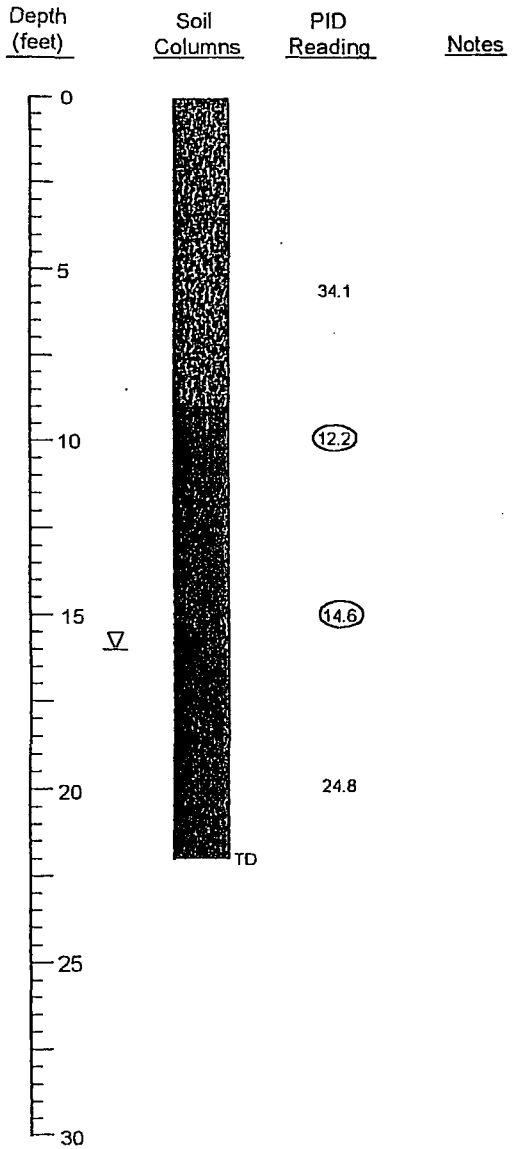
Monitoring Well - 20

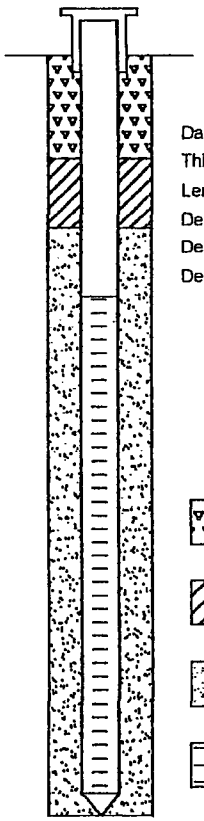
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 21





Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Doekum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.010 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

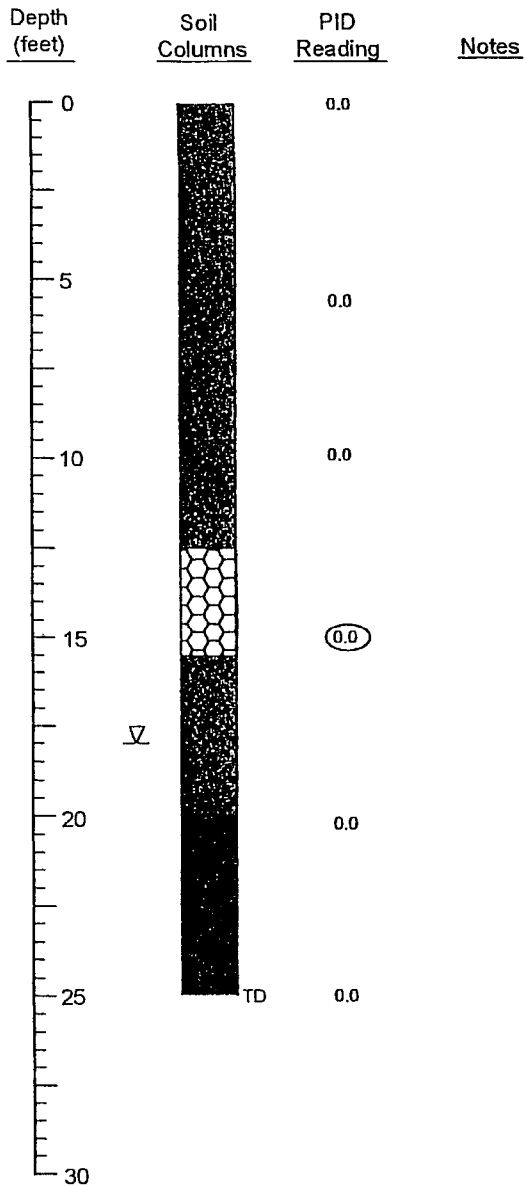
Monitoring Well - 21

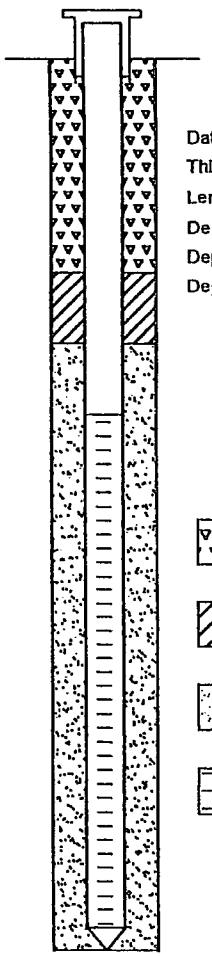
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 22





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	20 ft
Depth of Exploratory Well	20 ft
Depth to Ground Water	18.5 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)
- Caliche - White, hard, interbedded with sand.
- Indicates samples selected for laboratory analysis.
- Indicates the PSH level measured on date.
- Indicates the ground water level measured on date.
- PID Head-space reading in ppm obtained with a photo-Ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

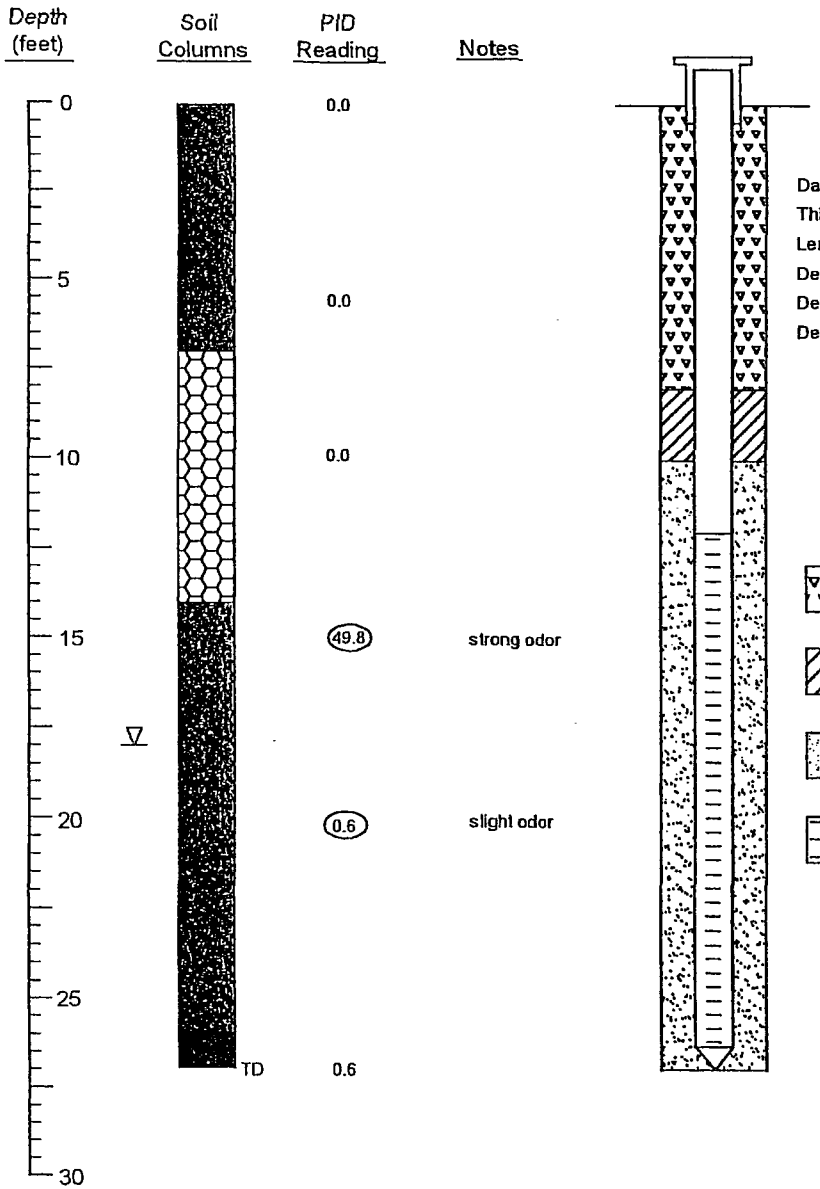
Monitoring Well - 22

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 23



Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	19 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

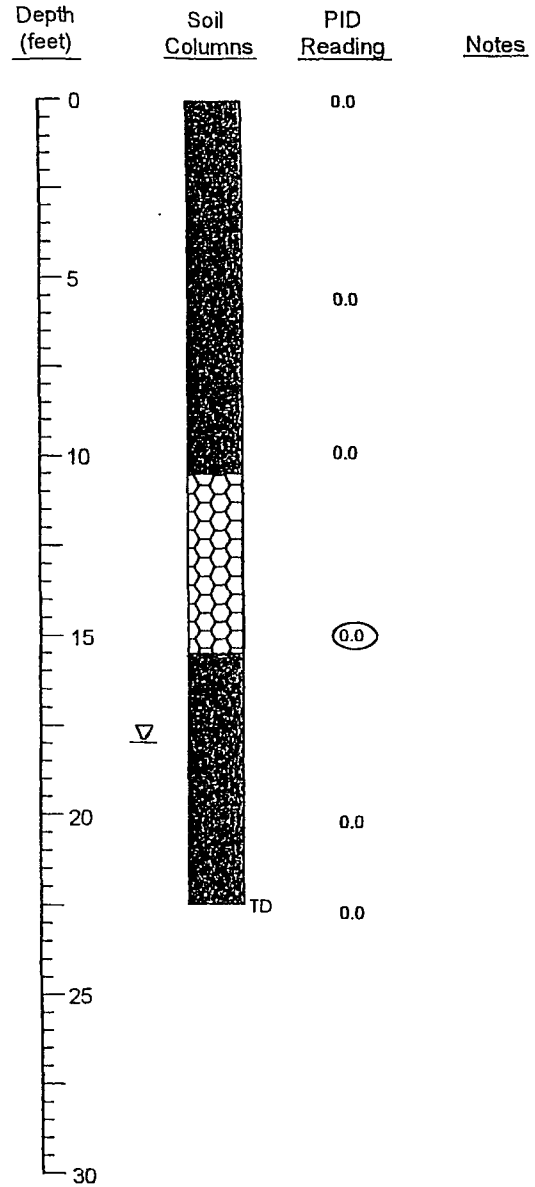
Monitoring Well - 23

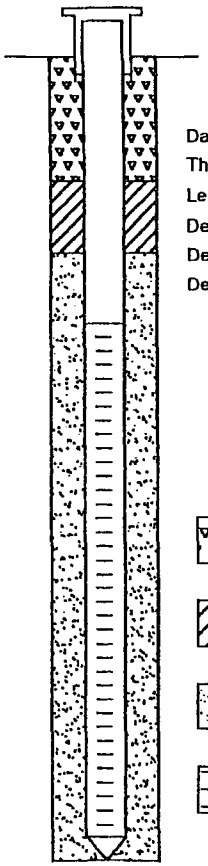
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 24





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	18 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)
- Caliche - White, hard, interbedded with sand.
- Indicates samples selected for laboratory analysis.
- Indicates the PSH level measured on date.
- Indicates the ground water level measured on date.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

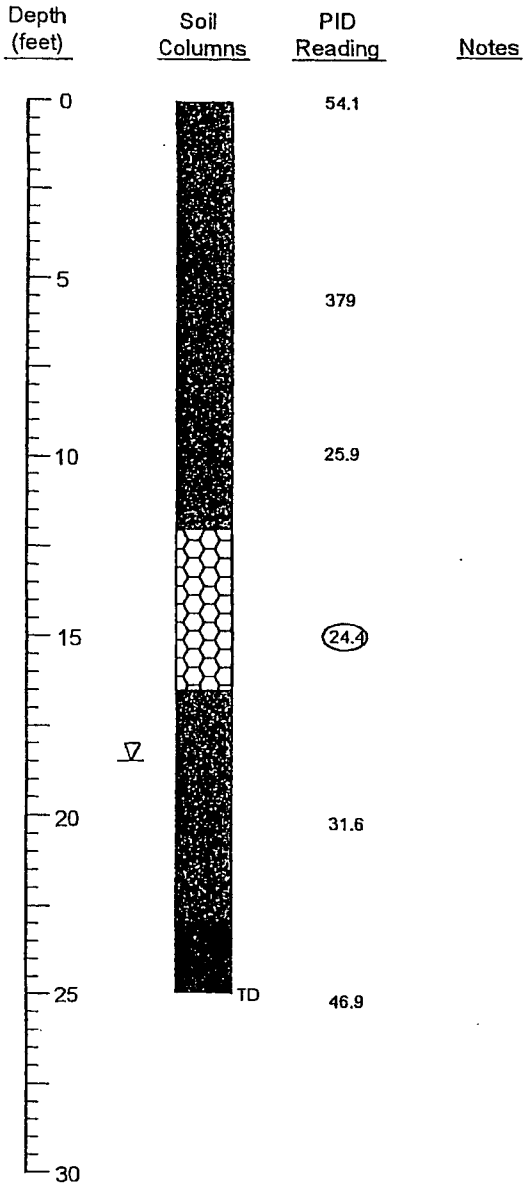
Monitoring Well - 24

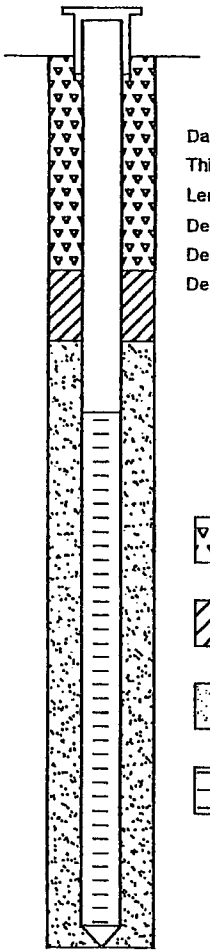
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 25





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	18.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary dailing techniques.
2. The well was constructed with 2" ID, 0.020 inch jactory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

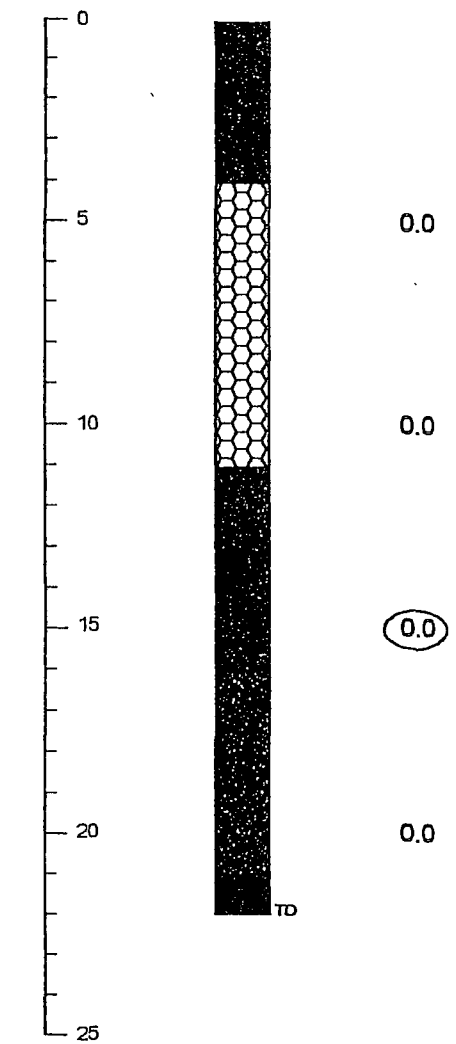
Monitoring Well - 25

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1044C	

Soil Boring SB - 1



Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, slight stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 01 / 28 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

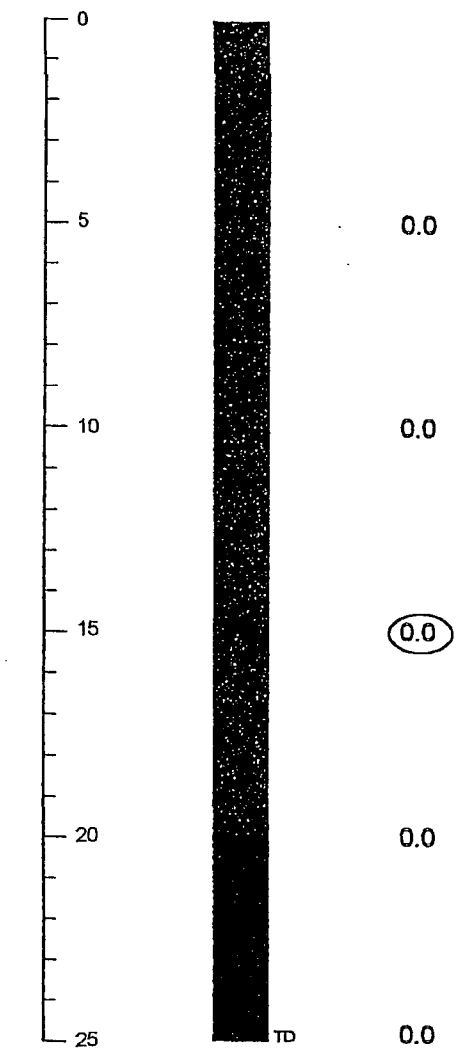
Soil Boring SB - 1

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
January 7, 2000	ETGI Project # EOT 1044C	

Soil Boring SB - 2



Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, slight stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 09 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

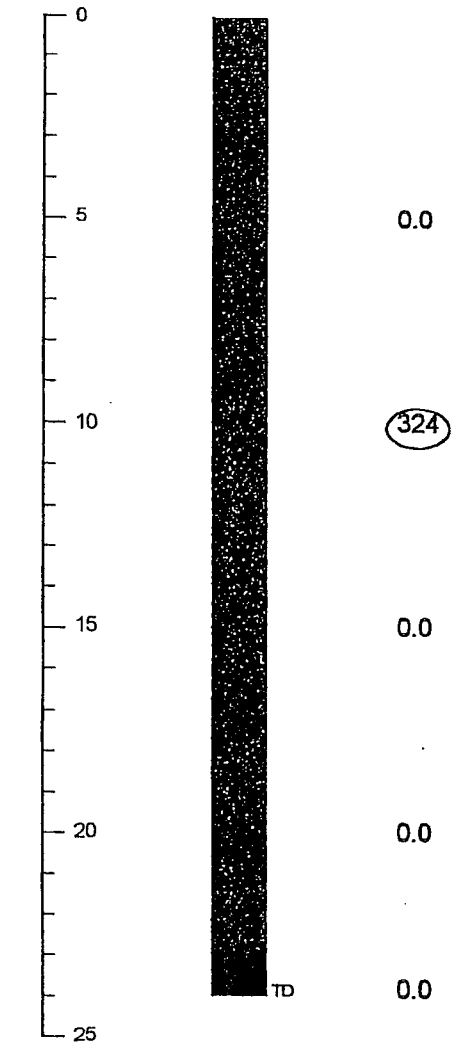
Soil Boring SB - 2

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
FEBRUARY 23, 2000	ETGI Project # EOT 1044C	

Soil Boring SB - 3



Notes

Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, slight stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 09 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 3

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
FEBRUARY 23, 2000	ETGI Project # EOT 1044C	

APPENDIX B

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24176	REPORTING LIMIT	%DEV	Method Blank
Chloromethane	ND	364	19.2	ND
Vinyl chloride	ND	364	9.7	ND
Bromomethane	ND	364	6.6	ND
Chloroethane	ND	364	1.5	ND
Trichlorofluoromethane	ND	364	-8.0	ND
Acetone	ND	364	-19.8	ND
1,1-Dichloroethene	ND	364	-0.4	ND
Carbon Disulfide	ND	364	-6.4	ND
Methylene Chloride	ND	364	2.3	ND
trans-1,2-Dichloroethene	ND	364	-1.6	ND
1,1-Dichloroethane	ND	364	-1.5	ND
2-Butanone	ND	364	-4.0	ND
cis-1,2-dichloroethene	ND	364	-1.9	ND
Bromochloromethane	ND	364	4.7	ND
Chloroform	ND	364	-4.2	ND
1,1,1-Trichloroethane	ND	364	-3.4	ND
Carbon Tetrachloride	ND	364	-5.8	ND
Benzene	ND	364	-8.6	ND
1,2 Dichloroethane	ND	364	-9.5	ND
Trichloroethene	ND	364	-12.3	ND
1,2-Dichloropropane	ND	364	-14.4	ND
Dibromomethane	ND	364	-14.7	ND
Bromodichloromethane	ND	364	-17.0	ND
2-Hexanone	ND	364	-21.6	ND
4-Methyl 2-Pentanone	ND	364	-18.4	ND
cis 1,3 Dichloropropene	ND	364	-7.3	ND
Toluene	567	364	-9.9	ND
trans 1,3-Dichloropropene	ND	364	-18.0	ND
1,1,2-Trichloroethane	ND	364	-4.4	ND
Dibromochloromethane	ND	364	-7.7	ND

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-2

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/kg)	REPORT LIMIT	ELT# 24171	RPD	%EA	%DEV
Naphthalene	226	ND			4.5
Acenaphthylene	226	ND			4.2
Acenaphthene	226	ND	8	41	5.2
Fluorene	226	ND			5.7
Phenanthrene	226	ND			3.9
Anthracene	226	ND			1.1
Fluoranthene	226	ND			5.0
Pyrene	226	ND	2	34	8.6
Benzo[a]anthracene	226	ND			11.3
Chrysene	226	ND			13.2
Benzo[b]fluoranthene	226	ND			17.4
Benzo[k]fluoranthene	226	ND			12.9
Benzo [a]pyrene	226	ND			8.3
Indeno[1,2,3-cd]pyrene	226	ND			0.0
Dibenz[a,h]anthracene	226	ND			1.7
Benzo[g,h,i]perylene	226	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	*
2-Fluorobiphenyl SURR	*
Terphenyl-d14 SURR	*

ND= not detected at reporting limit
*NOTE: surrogate diluted out

Robert Kyle

4-6-00

ENVIRONMENTAL LAB OF , INC.

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ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-20

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 24174	RPD	%EA	%DEV
Naphthalene	0.005	ND			4.5
Acenaphthylene	0.005	ND			4.2
Acenaphthene	0.005	ND	8	41	5.2
Fluorene	0.005	ND			5.7
Phenanthrene	0.005	ND			3.9
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			5.0
Pyrene	0.005	ND	2	34	8.6
Benzo[a]anthracene	0.005	ND			11.3
Chrysene	0.005	ND			13.2
Benzo[b]fluoranthene	0.005	ND			17.4
Benzo[k]fluoranthene	0.005	ND			12.9
Benzo [a]pyrene	0.005	ND			8.3
Indeno[1,2,3-cd]pyrene	0.005	ND			0.0
Dibenz[a,h]anthracene	0.005	ND			1.7
Benzo[g,h,i]perylene	0.005	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	57
2-Fluorobiphenyl SURR	69
Terphenyl-d14 SURR	80

NO= not detected at reporting limit

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-20

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24174

Tenatively Identified Compounds	EQL mg/L
2,6-dimethyl-undecane	*
4,6-dimethyl-dodecane	*
2,6,10,14-tetramethyl-pentadecane	*
6-methyl-tridecane	*
Tridecane	*
Tetradecane	*
2-ethyl-2-methyl-tridecanol	*

* NOTE: Present but less than report limit.

EQL = estimated quantitation level

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-23

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 24175	RPD	%EA	%DEV
Naphthalene	0.005	ND			4.5
Acenaphthylene	0.005	ND			4.2
Acenaphthene	0.005	ND	8	41	5.2
Fluorene	0.005	ND			5.7
Phenanthrene	0.005	ND			3.9
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			5.0
Pyrene	0.005	ND	2	34	8.6
Benzo[a]anthracene	0.005	ND			11.3
Chrysene	0.005	ND			13.2
Benzo[b]fluoranthene	0.005	ND			17.4
Benzo[k]fluoranthene	0.005	ND			12.9
Benzo [a]pyrene	0.005	ND			8.3
Indeno[1,2,3-cd]pyrene	0.005	ND			0.0
Dibenz[a,h]anthracene	0.005	ND			1.7
Benzo[g,h,i]perylene	0.005	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	54
2-Fluorobiphenyl SURR	66
Terphenyl-d14 SURR	70

ND= not detected at reporting limit

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-23

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24175

Tenatively Identified Compounds	EQL mg/L
3,6-dimethyl-undecane	*
2-butyl-1,1,3-trimethyl-cyclohexane	*
7-methyl-tridecane	*
5-ethyl-undecane	*
octyl-cyclohexane	*
5-propyl-tridecane	*
2,6,10,14-tetramethyl-pentadecane	*
2,6,11-trimethyl-dodecane	*
Octadecanoic acid	*
6-hydroxy-2-methyl-2-hepten	*

* NOTE: Present but less than report limit.

EQL = estimated quantitation level

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

4-6-00
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24176	REPORTING LIMIT	%DEV	Method Blank
Tetrachloroethene	ND	364	-8.2	ND
Chlorobenzene	ND	364	-3.7	ND
1,1,1,2-Tetrachloroethane	ND	364	-9.7	ND
Ethylbenzene	862	364	4.9	ND
m&p Xylene	2778	364	5.7	ND
o-Xylene	978	364	-5.5	ND
Styrene	ND	364	-2.1	ND
Bromoform	ND	364	-12.8	ND
1,1,2,2-Tetrachloroethane	ND	364	-8.5	ND
1,2,3-Trichloropropane	ND	364	-4.6	ND
1,4-Dichlorobenzene	ND	364	-7.0	ND
1,2-Dichlorobenzene	ND	364	-9.7	ND
1,2-Dibromo-3-Chloropropane	ND	364	-30.2	ND

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	81
Toluene-d8	78
4-Bromofluorobenzene	75
1,2-dichloroethane-d4	91

ND=<REPORTING LIMIT

Tenatively Identified Compound	*EQL mg/kg*
Isopropylbenzene	618
1,3,5-Trimethylbenzene	1273
sec-Butylbenzene	433
p-Isopropyltoluene	520
Naphthalene	727
3-methyl-hexane	3593
methyl-cyclohexane	8662
2-methyl-heptane	3811

Tenatively Identified Compound	*EQL mg/kg*
3-methyl-heptane	4520
1,3-dimethyl-cyclohexane	6524
Octane	4316
ethyl-cyclohexane	6425
1,1,3-trimethyl-cyclohexane	4225
4-methyl-octane	3927
1-Ethyl-3-methylcyclohexane (c,t)	4193
4-methyl-nonane	5185
1,2,4-trimethyl-benzene	4760

Raland K. Tuttle

4-7-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 24176	RPD	%EA	%DEV
Naphthalene	218	ND			4.5
Acenaphthylene	218	ND			4.2
Acenaphthene	218	ND	8	41	5.2
Fluorene	218	ND			5.7
Phenanthrene	218	ND			3.9
Anthracene	218	ND			1.1
Fluoranthene	218	ND			5.0
Pyrene	218	ND	2	34	8.6
Benzo[a]anthracene	218	ND			11.3
Chrysene	218	ND			13.2
Benzo[b]fluoranthene	218	ND			17.4
Benzo[k]fluoranthene	218	ND			12.9
Benzo [a]pyrene	218	ND			8.3
Indeno[1,2,3-cd]pyrene	218	ND			0.0
Dibenz[a,h]anthracene	218	ND			1.7
Benzo[g,h,i]perylene	218	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	*
2-Fluorobiphenyl SURR	*
Terphenyl-d14 SURR	*

ND= not detected at reporting limit
*NOTE: surrogate diluted out

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FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: Pipeline

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24176

Tenatively Identified Compounds	EQL mg/kg
1-ethyl-4-methyl-cyclohexane	3.91
1,2,3-trimethyl-benzene	3.19
Decane	4.18
Undecane	2.86
Dodecane	3.59
2,6-dimethyl-undecane	2.26
Tetradecane	2.75
5-propyl-tridecane	2.28
Eicosane	2.24

EQL = estimated quantitation level

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

4-6-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

107

Project Manager: Jesse Taylor

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 Midland TX 79704

Project #: EOT 1044C

Project Name: BOB DURHAM

Project Location: Monument NM

Sampler Signature: [signature]

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	GC Spec (Voc-Semi-Vol)
24171	MW 2	1	V	[illegible]				X			X			3-17	1405									X
24172	MW 4	1	V	[illegible]				X							1420									
24173	MW 12	1	V					X							1350									
24174	MW 20	3	VL	X											1500									
24175	MW 23	3	VL	X											1437									
24176	BLANK	1	V					X						3-20	0815									

Relinquished by:	Date:	Time:	Received by:
[signature]	3-20-00	1500	[signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

Mail Results. K. Dutton

Invoice: Lennah Frost 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-12

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 24173	RPD	%EA	%DEV
Naphthalene	186	ND			4.5
Acenaphthylene	186	ND			4.2
Acenaphthene	186	ND	8	41	5.2
Fluorene	186	ND			5.7
Phenanthrene	186	ND			3.9
Anthracene	186	ND			1.1
Fluoranthene	186	ND			5.0
Pyrene	186	ND	2	34	8.6
Benzo[a]anthracene	186	ND			11.3
Chrysene	186	ND			13.2
Benzo[b]fluoranthene	186	ND			17.4
Benzo[k]fluoranthene	186	ND			12.9
Benzo [a]pyrene	186	ND			8.3
Indeno[1,2,3-cd]pyrene	186	ND			0.0
Dibenz[a,h]anthracene	186	ND			1.7
Benzo[g,h,i]perylene	186	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	*
2-Fluorobiphenyl SURR	*
Terphenyl-d14 SURR	*

ND= not detected at reporting limit
*NOTE: surrogate diluted out

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
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P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-12

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24173

Tenatively Identified Compounds	EQL mg/kg
1, 3, 5 - trimethyl-benzene	2.34
Decane	3.63
Undecane	2.16
Dodecane	2.49
3, 6 - dimethyl-undecane	1.82
Tetradecane	2.32

EQL = estimated quantitation level

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

4-6-00
Date

ENVIRONMENTAL LAB OF , INC.

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P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/kg)	REPORT LIMIT	ELT# 24172	RPD	%EA	%DEV
Naphthalene	276	ND			4.5
Acenaphthylene	276	ND			4.2
Acenaphthene	276	ND	8	41	5.2
Fluorene	276	ND			5.7
Phenanthrene	276	ND			3.9
Anthracene	276	ND			1.1
Fluoranthene	276	ND			5.0
Pyrene	276	ND	2	34	8.6
Benzo[a]anthracene	276	ND			11.3
Chrysene	276	ND			13.2
Benzo[b]fluoranthene	276	ND			17.4
Benzo[k]fluoranthene	276	ND			12.9
Benzo [a]pyrene	276	ND			8.3
Indeno[1,2,3-cd]pyrene	276	ND			0.0
Dibenz[a,h]anthracene	276	ND			1.7
Benzo[g,h,i]perylene	276	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	*
2-Fluorobiphenyl SURR	*
Terphenyl-d14 SURR	*

ND= not detected at reporting limit
*NOTE: surrogate diluted out

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 10440
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-2

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24171	REPORTING LIMIT	%DEV	Method Blank
Chloromethane	ND	377	19.2	ND
Vinyl chloride	ND	377	9.7	ND
Bromomethane	ND	377	6.6	ND
Chloroethane	ND	377	1.5	ND
Trichlorofluoromethane	ND	377	-8.0	ND
Acetone	ND	377	-19.8	ND
1,1-Dichloroethene	ND	377	-0.4	ND
Carbon Disulfide	ND	377	-6.4	ND
Methylene Chloride	ND	377	2.3	ND
trans-1,2-Dichloroethene	ND	377	-1.6	ND
1,1-Dichloroethane	ND	377	-1.5	ND
2-Butanone	ND	377	-4.0	ND
cis-1,2-dichloroethene	ND	377	-1.9	ND
Bromochloromethane	ND	377	4.7	ND
Chloroform	ND	377	-4.2	ND
1,1,1-Trichloroethane	ND	377	-3.4	ND
Carbon Tetrachloride	ND	377	-5.8	ND
Benzene	ND	377	-8.6	ND
1,2 Dichloroethane	ND	377	-9.5	ND
Trichloroethene	ND	377	-12.3	ND
1,2-Dichloropropane	ND	377	-14.4	ND
Dibromomethane	ND	377	-14.7	ND
Bromodichloromethane	ND	377	-17.0	ND
2-Hexanone	ND	377	-21.6	ND
4-Methyl 2-Pentanone	ND	377	-18.4	ND
cis 1,3 Dichloropropene	ND	377	-7.3	ND
Toluene	506	377	-9.9	ND
trans 1,3-Dichloropropene	ND	377	-18.0	ND
1,1,2-Trichloroethane	ND	377	-4.4	ND
Dibromochloromethane	ND	377	-7.7	ND

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-2

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24171	REPORTING LIMIT	%DEV	Method Blank
Tetrachloroethene	ND	377	-8.2	ND
Chlorobenzene	ND	377	-3.7	ND
1,1,1,2-Tetrachloroethane	ND	377	-9.7	ND
Ethylbenzene	777	377	4.9	ND
m&p Xylene	2642	377	5.7	ND
o-Xylene	935	377	-5.5	ND
Styrene	ND	377	-2.1	ND
Bromoform	ND	377	-12.8	ND
1,1,2,2-Tetrachloroethane	ND	377	-8.5	ND
1,2,3-Trichloropropane	ND	377	-4.6	ND
1,4-Dichlorobenzene	ND	377	-7.0	ND
1,2-Dichlorobenzene	ND	377	-9.7	ND
1,2-Dibromo-3-Chloropropane	ND	377	-30.2	ND

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	72
Toluene-d8	70
4-Bromofluorobenzene	66
1,2-dichloroethane-d4	80

ND=<REPORTING LIMIT

Tentatively Identified Compound	*EQL mg/kg*	*Tentatively Identified Compound*	*EQL mg/kg*
Isopropylbenzene	457	2-methyl-heptane	4003
1,3,5-Trimethylbenzene	1034	cis-1,3-dimethyl-cyclohexane	5981
p-Isopropyltoluene	460	Octane	4989
Naphthalene	732	ethyl-cyclohexane	5521
Cyclohexane	3113	1,1,3-trimethyl-cyclohexane	3392
Heptane	5584	1-ethyl-2-methyl-cyclohexane	3487
methyl-cyclohexane	7838	1,2,3-trimethyl-benzene	4053

Raland K. Tuttle

4-7-00
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-2

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24171

Tenatively Identified Compounds	EQL mg/kg
1,3,5-trimethyl-benzene	3.27
Undecane	2.77
2,6-dimethyl-undecane	2.47
2,6,10-trimethyl-dodecane	2.77
Tetradecane	2.65
Eicosane	2.75

EQL = estimated quantitation level

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

4-6-00
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24172

Tenatively Identified Compounds	EQL mg/kg
Decane	3.55
Dodecane	2.88
2,6-dimethyl-octane	2.06
2,6,10-trimethyl-dodecane	2.86
Dotriacontane	1.94
Nonadecane	1.79
Heptadecane	1.87
Pentadecane	1.62
Tetradecane	1.75
Pentatriacontane	1.54

EQL = estimated quantitation level

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

4-6-00
Date

ENVIRONMENTAL LAB OF , INC.

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ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24172	REPORTING LIMIT	%DEV	Method Blank
Chloromethane	ND	460	19.2	ND
Vinyl chloride	ND	460	9.7	ND
Bromomethane	ND	460	6.6	ND
Chloroethane	ND	460	1.5	ND
Trichlorofluoromethane	ND	460	-8.0	ND
Acetone	ND	460	-19.8	ND
1,1-Dichloroethene	ND	460	-0.4	ND
Carbon Disulfide	ND	460	-6.4	ND
Methylene Chloride	ND	460	2.3	ND
trans-1,2-Dichloroethene	ND	460	-1.6	ND
1,1-Dichloroethane	ND	460	-1.5	ND
2-Butanone	ND	460	-4.0	ND
cis-1,2-dichloroethene	ND	460	-1.9	ND
Bromochloromethane	ND	460	4.7	ND
Chloroform	ND	460	-4.2	ND
1,1,1-Trichloroethane	ND	460	-3.4	ND
Carbon Tetrachloride	ND	460	-5.8	ND
Benzene	ND	460	-8.6	ND
1,2 Dichloroethane	ND	460	-9.5	ND
Trichloroethene	ND	460	-12.3	ND
1,2-Dichloropropane	ND	460	-14.4	ND
Dibromomethane	ND	460	-14.7	ND
Bromodichloromethane	ND	460	-17.0	ND
2-Hexanone	ND	460	-21.6	ND
4-Methyl 2-Pentanone	ND	460	-18.4	ND
cis 1,3 Dichloropropene	ND	460	-7.3	ND
Toluene	556	460	-9.9	ND
trans 1,3-Dichloropropene	ND	460	-18.0	ND
1,1,2-Trichloroethane	ND	460	-4.4	ND
Dibromochloromethane	ND	460	-7.7	ND

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24172	REPORTING LIMIT	%DEV	Method Blank
Tetrachloroethene	ND	460	-8.2	ND
Chlorobenzene	ND	460	-3.7	ND
1,1,1,2-Tetrachloroethane	ND	460	-9.7	ND
Ethylbenzene	813	460	4.9	ND
m&p Xylene	2482	460	5.7	ND
o-Xylene	905	460	-5.5	ND
Styrene	ND	460	-2.1	ND
Bromoform	ND	460	-12.8	ND
1,1,2,2-Tetrachloroethane	ND	460	-8.5	ND
1,2,3-Trichloropropane	ND	460	-4.6	ND
1,4-Dichlorobenzene	ND	460	-7.0	ND
1,2-Dichlorobenzene	ND	460	-9.7	ND
1,2-Dibromo-3-Chloropropane	ND	460	-30.2	ND

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	64
Toluene-d8	63
4-Bromofluorobenzene	59
1,2-dichloroethane-d4	70

ND=<REPORTING LIMIT

Tentatively Identified Compound	*EQL mg/kg*	*Tentatively Identified Compound*	*EQL mg/kg*
1,3-Dichloropropane	676	Octane	3681
1,3,5-Trimethylbenzene	570	ethyl-cyclohexane	3139
Naphthalene	625	1-ethyl-3-methylcyclohexane (c,t)	2413
Heptane	3998	3-methyl-nonane	2454
methyl-cyclohexane	5567	1,3,5-trimethyl-benzene	2799
2-methyl-heptane	3213	butyl-cyclohexane	2606
cis-1,3-dimethyl-cyclohexane	3102	trans-decahydro-naphthalene	2725

Raland K. Tuttle

4-7-00
Date

ENVIRONMENTAL LAB OF , INC.

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ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-12

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24173	REPORTING LIMIT	%DEV	Method Blank
Chloromethane	ND	310	19.2	ND
Vinyl chloride	ND	310	9.7	ND
Bromomethane	ND	310	6.6	ND
Chloroethane	ND	310	1.5	ND
Trichlorofluoromethane	ND	310	-8.0	ND
Acetone	ND	310	-19.8	ND
1,1-Dichloroethene	ND	310	-0.4	ND
Carbon Disulfide	ND	310	-6.4	ND
Methylene Chloride	ND	310	2.3	ND
trans-1,2-Dichloroethene	ND	310	-1.6	ND
1,1-Dichloroethane	ND	310	-1.5	ND
2-Butanone	ND	310	-4.0	ND
cis-1,2-dichloroethene	ND	310	-1.9	ND
Bromochloromethane	ND	310	4.7	ND
Chloroform	ND	310	-4.2	ND
1,1,1-Trichloroethane	ND	310	-3.4	ND
Carbon Tetrachloride	ND	310	-5.8	ND
Benzene	375	310	-8.6	ND
1,2 Dichloroethane	ND	310	-9.5	ND
Trichloroethene	ND	310	-12.3	ND
1,2-Dichloropropane	ND	310	-14.4	ND
Dibromomethane	ND	310	-14.7	ND
Bromodichloromethane	ND	310	-17.0	ND
2-Hexanone	ND	310	-21.6	ND
4-Methyl 2-Pentanone	ND	310	-18.4	ND
cis 1,3 Dichloropropene	ND	310	-7.3	ND
Toluene	846	310	-9.9	ND
trans 1,3-Dichloropropene	ND	310	-18.0	ND
1,1,2-Trichloroethane	ND	310	-4.4	ND
Dibromochloromethane	ND	310	-7.7	ND

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-12

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24173	REPORTING LIMIT	%DEV	Method Blank
Tetrachloroethene	ND	310	-8.2	ND
Chlorobenzene	ND	310	-3.7	ND
1,1,1,2-Tetrachloroethane	ND	310	-9.7	ND
Ethylbenzene	1054	310	4.9	ND
m&p Xylene	3029	310	5.7	ND
o-Xylene	1002	310	-5.5	ND
Styrene	ND	310	-2.1	ND
Bromoform	ND	310	-12.8	ND
1,1,2,2-Tetrachloroethane	ND	310	-8.5	ND
1,2,3-Trichloropropane	ND	310	-4.6	ND
1,4-Dichlorobenzene	ND	310	-7.0	ND
1,2-Dichlorobenzene	ND	310	-9.7	ND
1,2-Dibromo-3-Chloropropane	ND	310	-30.2	ND

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	81
Toluene-d8	78
4-Bromofluorobenzene	75
1,2-dichloroethane-d4	91

ND=<REPORTING LIMIT

Tenatively Identified Compound	*EQL mg/kg*	*Tenatively Identified Compound*	*EQL mg/kg*
Isopropylbenzene	508	methyl-cyclopentane	5011
1,3,5-Trimethylbenzene	1051	Cyclohexane	5160
sec-Butylbenzene	347	methyl-cyclohexane	10161
p-Isopropyltoluene	443	2-methyl-heptane	5107
Naphthalene	816	3-methyl-heptane	4868
Pentane	4447	cis-1,3-dimethyl-cyclohexane	7699
2-methyl-pentane	5158	Octane	5715
Hexane	4335	ethyl-cyclohexane	6313

Raland K. Tuttle

4-7-00
Date

ENVIRONMENTAL LAB OF , INC.

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ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-20

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/L) Compounds	ELT# 24174	REPORTING LIMIT	%DEV	Method Blank	% EA
Chloromethane	ND	0.0020	19.2	ND	
Vinyl chloride	ND	0.0020	9.7	ND	
Bromomethane	ND	0.0020	6.6	ND	
Chloroethane	ND	0.0020	1.5	ND	
Trichlorofluoromethane	ND	0.0020	-8.0	ND	
Acetone	ND	0.0100	-19.8	ND	
1,1-Dichloroethene	ND	0.0020	-0.4	ND	110
Carbon Disulfide	ND	0.0020	-6.4	ND	
Methylene Chloride	ND	0.0050	2.3	ND	
trans-1,2-Dichloroethene	ND	0.0020	-1.6	ND	
1,1-Dichloroethane	ND	0.0020	-1.5	ND	
2-Butanone	ND	0.0100	-4.0	ND	
cis-1,2-dichloroethene	ND	0.0020	-1.9	ND	
Bromochloromethane	ND	0.0020	4.7	ND	
Chloroform	ND	0.0020	-4.2	ND	
1,1,1-Trichloroethane	ND	0.0020	-3.4	ND	
Carbon Tetrachloride	ND	0.00200	-5.8	ND	
Benzene	ND	0.0020	-8.6	ND	122
1,2 Dichloroethane	ND	0.0020	-9.5	ND	
Trichloroethene	ND	0.0020	-12.3	ND	120
1,2-Dichloropropane	ND	0.0020	-14.4	ND	
Dibromomethane	ND	0.0020	-14.7	ND	
Bromodichloromethane	ND	0.0020	-17.0	ND	
2-Hexanone	ND	0.0100	-21.6	ND	
4-Methyl 2-Pentanone	ND	0.0100	-18.4	ND	
cis 1,3 Dichloropropene	ND	0.0020	-7.3	ND	
Toluene	ND	0.0020	-9.9	ND	124
trans 1,3-Dichloropropene	ND	0.0020	-18.0	ND	
1,1,2-Trichloroethane	ND	0.0020	-4.4	ND	
Dibromochloromethane	ND	0.0020	-7.7	ND	

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-20

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/L) Compounds	ELT# 24174	REPORTING LIMIT	%DEV	Method Blank	% EA
Tetrachloroethene	ND	0.0020	-8.2	ND	
Chlorobenzene	ND	0.0020	-3.7	ND	110
1,1,1,2-Tetrachloroethane	ND	0.0020	-9.7	ND	
Ethylbenzene	ND	0.0020	4.9	ND	
m&p Xylene	ND	0.0020	5.7	ND	
o-Xylene	ND	0.0020	-5.5	ND	
Styrene	ND	0.0020	-2.1	ND	
Bromoform	ND	0.0020	-12.8	ND	
1,1,2,2-Tetrachloroethane	ND	0.0020	-8.5	ND	
1,2,3-Trichloropropane	ND	0.0020	-4.6	ND	
1,4-Dichlorobenzene	ND	0.0020	-7.0	ND	
1,2-Dichlorobenzene	ND	0.0020	-9.7	ND	
1,2-Dibromo-3-Chloropropane	ND	0.0100	-30.2	ND	

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	121
Toluene-d8	118
4-Bromofluorobenzene	121
1,2-dichloroethane-d4	127

ND=<REPORTING LIMIT

Tentatively Identified Compound	*EQL mg/L*	*Tentatively Identified Compound*	*EQL mg/L*
1,2,4-Trichlorobenzene	0.0014	5-Undecane	0.0127
Naphthalene	0.0015	decahydro-2-methyl-naphthalene	0.0156
2,6-dimethyl-octane	0.0164		
4-methyl-decane	0.0329		

Raland K. Tuttle

4-7-00
Date

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ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-23

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/L) Compounds	ELT# 24175	REPORTING LIMIT	%DEV	Method Blank	% EA
Chloromethane	ND	0.0020	19.2	ND	
Vinyl chloride	ND	0.0020	9.7	ND	
Bromomethane	ND	0.0020	6.6	ND	
Chloroethane	ND	0.0020	1.5	ND	
Trichlorofluoromethane	ND	0.0020	-8.0	ND	
Acetone	ND	0.0100	-19.8	ND	
1,1-Dichloroethene	ND	0.0020	-0.4	ND	110
Carbon Disulfide	ND	0.0020	-6.4	ND	
Methylene Chloride	ND	0.0050	2.3	ND	
trans-1,2-Dichloroethene	ND	0.0020	-1.6	ND	
1,1-Dichloroethane	ND	0.0020	-1.5	ND	
2-Butanone	ND	0.0100	-4.0	ND	
cis-1,2-dichloroethene	ND	0.0020	-1.9	ND	
Bromochloromethane	ND	0.0020	4.7	ND	
Chloroform	ND	0.0020	-4.2	ND	
1,1,1-Trichloroethane	ND	0.0020	-3.4	ND	
Carbon Tetrachloride	ND	0.00200	-5.8	ND	
Benzene	ND	0.0020	-8.6	ND	122
1,2 Dichloroethane	ND	0.0020	-9.5	ND	
Trichloroethene	ND	0.0020	-12.3	ND	120
1,2-Dichloropropane	ND	0.0020	-14.4	ND	
Dibromomethane	ND	0.0020	-14.7	ND	
Bromodichloromethane	ND	0.0020	-17.0	ND	
2-Hexanone	ND	0.0100	-21.6	ND	
4-Methyl 2-Pentanone	ND	0.0100	-18.4	ND	
cis 1,3 Dichloropropene	ND	0.0020	-7.3	ND	
Toluene	ND	0.0020	-9.9	ND	124
trans 1,3-Dichloropropene	ND	0.0020	-18.0	ND	
1,1,2-Trichloroethane	ND	0.0020	-4.4	ND	
Dibromochloromethane	ND	0.0020	-7.7	ND	

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX. 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-23

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/L) Compounds	ELT# 24175	REPORTING LIMIT	%DEV	Method Blank	% EA
Tetrachloroethene	ND	0.0020	-8.2	ND	
Chlorobenzene	ND	0.0020	-3.7	ND	110
1,1,1,2-Tetrachloroethane	ND	0.0020	-9.7	ND	
Ethylbenzene	ND	0.0020	4.9	ND	
m&p Xylene	ND	0.0020	5.7	ND	
o-Xylene	ND	0.0020	-5.5	ND	
Styrene	ND	0.0020	-2.1	ND	
Bromoform	ND	0.0020	-12.8	ND	
1,1,2,2-Tetrachloroethane	ND	0.0020	-8.5	ND	
1,2,3-Trichloropropane	ND	0.0020	-4.6	ND	
1,4-Dichlorobenzene	ND	0.0020	-7.0	ND	
1,2-Dichlorobenzene	ND	0.0020	-9.7	ND	
1,2-Dibromo-3-Chloropropane	ND	0.0100	-30.2	ND	

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	127
Toluene-d8	123
4-Bromofluorobenzene	124
1,2-dichloroethane-d4	136

ND=<REPORTING LIMIT

Tentatively Identified Compound	*EQL mg/L*	*Tentatively Identified Compound*	*EQL mg/L*
1,2,4-Trichlorobenzene	0.0020	3-methyl-decane	0.0092
Naphthalene	0.0022	decahydro-2-methyl-naphthalene	0.0069
1,2,3-Trichlorobenzene	0.0023	2,6-dimethyl-undecane	0.0185
2,6-dimethyl-octane	0.0081	2-butyl-1,1,3-trimethylcyclohexane	0.0065
4-methyl-decane	0.0234		

Raland K. Tuttle

4-7-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1044C
Project Name: Bob Durham
Project Location: Monument

Sampling Date: 03/09/00
Receiving Date: 03/10/00
Analysis Date: 03/13/00

ELT#	FIELD CODE	GRO C6-C10 mg/L	DRO >C10-C28 mg/L
24125	DW-1	<3	<3
	%INSTRUMENT ACCURACY	99	112
	% EXTRACTION ACCURACY	80	88
	BLANK	<3	<3

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle — Date: 3-16-00

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 03/09/00
Receiving Date: 03/10/00
Analysis Date: 3/14-3/15/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24125	DW-1	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		103	94	94	102	90
% EA		95	85	83	92	82
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

3-16-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 105

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9161
FAX #: (505) 392-3760

Company Name & Address: ETGT
P.O. BOX 4845 MIDLAND TX 79704

Project #: EOT 1044C
Project Name: BOB DURHAM

Project Location: MONUMENT
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	T24 6015
21125	DW 1	3	V.S	X					X		X			8-9 2000	1430	X								X

Relinquished by: Simon Casas | Date: 8-10-00 | Time: 16.00 | Received by:
Relinquished by: | Date: | Time: | Received by:
Relinquished by: | Date: | Time: | Received by Laboratory:

REMARKS
MAIL RESULTS: K. DUTTON

INVOICE: LONNAY FROST 1015 EM

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-2760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: 02/19/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
23650	MW 17	0.001	<0.001	<0.001	<0.001	<0.001
23651	MW 18	<0.001	<0.001	<0.001	<0.001	<0.001
23652	MW 19	<0.001	<0.001	<0.001	<0.001	<0.001
23653	MW 22	<0.001	<0.001	<0.001	<0.001	<0.001
23654	MW 24	<0.001	<0.001	<0.001	<0.001	<0.001
23655	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	110	105	101	108	102
	% EA	113	109	106	110	104
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument,N.M.

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23650	MW 17	248	133	0	300	864
23651	MW 18	251	142	0	280	868
23652	MW 19	102	89	0	220	501
23653	MW 22	213	89	0	300	722
23654	MW 24	105	80	0	240	546
23655	MW 25	97	89	0	230	548
	QUALITY CONTROL	48.5	5052	"	"	"
	TRUE VALUE	50.0	5000	"	"	"
	% PRECISION	97	101	"	"	"
	ANALYSIS DATE	2/23/00	2/23/00	2/24/00	2/24/00	2/19/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-17

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23650	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	45
2-Fluorobiphenyl SURR	57
Terphenyl-d14 SURR	68

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-18

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23651	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	54
2-Fluorobiphenyl SURR	70
Terphenyl-d14 SURR	74

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-19

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23652	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	56
2-Fluorobiphenyl SURR	70
Terphenyl-d14 SURR	72

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-22

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23653	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	48
2-Fluorobiphenyl SURR	60
Terphenyl-d14 SURR	71

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-24

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23654	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	61
2-Fluorobiphenyl SURR	68
Terphenyl-d14 SURR	58

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-25

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/24/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23655	RPD	%EA	%IA
Naphthalene	0.005	ND			90
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	9.52	70	90
Fluorene	0.005	ND			94
Phenanthrene	0.005	ND			104
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			92
Pyrene	0.005	ND	5.63	69	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			90
Benzo[k]fluoranthene	0.005	ND			112
Benzo [a]pyrene	0.005	ND			96
Indeno[1,2,3-cd]pyrene	0.005	ND			110
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			110

	% RECOVERY
Nitrobenzene-d5 SURR	70
2-Fluorobiphenyl SURR	88
Terphenyl-d14 SURR	75

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN. MR JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HNO3
Project #: EOT 1044C
Project Name: Bobe Durham
Project Location: Monument, N.M.

Sample Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: 02/24/00
Analysis Date: Hg 02/22/00

Analyte (mg/L)	MW-17 23650	MW-18 23651	MW-19 23652	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	9.770	7.240	19.70	0.0500	102	106	<0.0500	3.34
Arsenic	0.0070	0.0080	0.0100	0.0500	104	108	<0.0050	0.00
Barium	0.2180	0.3100	0.3180	0.0100	100	103	<0.0100	2.88
Beryllium	ND	ND	ND	0.0040	108	110	<0.0040	1.83
Cadmium	0.0030	0.0040	0.0040	0.0010	106	106	<0.0010	1.87
Calcium	436.0	704.8	652.8	1.000	95	*	<1.000	0.00
Chromium	0.0180	0.0170	0.0340	0.0050	98	102	<0.0050	2.49
Cobalt	ND	ND	ND	0.0200	101	104	<0.0200	2.52
Copper	0.0110	0.0160	0.0170	0.0100	100	105	<0.0100	3.09
Iron	4.650	1.540	12.13	0.0500	111	111	<0.0500	9.06
Lead	0.0090	0.0070	0.0120	0.0030	102	104	<0.0030	0.00
Magnesium	31.98	32.16	28.40	1.000	98	*	<1.000	0.25
Manganese	0.2620	0.7480	0.3990	0.0150	99	101	<0.0150	1.74
Mercury	ND	ND	ND	0.00020	101	104	<0.00020	0.00
Molybdenum	ND	ND	ND	0.050	97	100	<0.050	2.85
Nickel	0.0160	0.0180	0.0240	0.0100	101	103	<0.0100	2.50
Potassium	9.850	10.10	12.45	1.000	85	*	<1.000	0.00
Selenium	0.0100	0.0100	0.0090	0.0050	118	122	<0.0050	3.33
Silver	ND	ND	ND	0.00500	104	106	<0.0050	1.90
Sodium	132.0	147.0	68.36	1.000	110	*	<1.000	1.71
Tin	ND	ND	0.0540	0.0500	94	99	<0.0500	1.63
Vanadium	0.0700	0.0600	0.1390	0.0200	99	102	<0.0200	2.58
Zinc	0.0430	0.0340	0.0510	0.0200	100	106	<0.0200	3.26
Boron	0.319	0.365	0.167	0.050	103	106	<0.050	1.90
Strontium	1.68	1.99	1.58	0.050	96	103	<0.050	2.96

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HNO3
Project #: EOT 1044C
Project Name: Bobo Durham
Project Location: Monument, N.M.

Sample Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: 02/24/00
Analysis Date: Hg 02/22/00

Analyte (mg/L)	MW-22 23653	MW-24 23654	MW-25 23655	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	8.450	11.33	7.540	0.0500	102	106	<0.0500	3.34
Arsenic	0.0060	0.0090	0.0060	0.0500	104	108	<0.0050	0.00
Barium	0.2930	0.2760	0.2000	0.0100	100	103	<0.0100	2.88
Beryllium	ND	ND	ND	0.0040	108	110	<0.0040	1.83
Cadmium	0.0030	0.0030	0.0030	0.0010	106	106	<0.0010	1.87
Calcium	254.0	337.0	392.0	1.000	95	*	<1.000	0.00
Chromium	0.0220	0.0210	0.0210	0.0050	98	102	<0.0050	2.49
Cobalt	ND	ND	ND	0.0200	101	104	<0.0200	2.52
Copper	ND	0.0100	ND	0.0100	100	105	<0.0100	3.09
Iron	5.630	4.680	4.660	0.0500	111	111	<0.0500	9.06
Lead	0.0050	0.0040	0.0030	0.0030	102	104	<0.0030	0.00
Magnesium	27.50	22.37	21.60	1.000	98	*	<1.000	0.25
Manganese	0.0770	0.1460	0.4830	0.0150	99	101	<0.0150	1.74
Mercury	ND	ND	ND	0.00020	101	104	<0.00020	0.00
Molybdenum	ND	ND	ND	0.050	97	100	<0.050	2.85
Nickel	0.0140	0.0160	0.0170	0.0100	101	103	<0.0100	2.50
Potassium	8.590	8.440	7.440	1.000	85	*	<1.000	0.00
Selenium	0.0080	0.0060	0.0070	0.0050	118	122	<0.0050	3.33
Silver	ND	ND	ND	0.00500	104	106	<0.0050	1.90
Sodium	107.0	75.79	67.40	1.000	110	*	<1.000	1.71
Tin	ND	ND	ND	0.0500	94	99	<0.0500	1.63
Vanadium	0.1010	0.0590	0.0610	0.0200	99	102	<0.0200	2.58
Zinc	ND	0.0600	ND	0.0200	100	106	<0.0200	3.26
Boron	0.299	0.170	0.161	0.050	103	106	<0.050	1.90
Strontium	1.18	1.09	1.06	0.050	96	103	<0.050	2.96

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-29-00
Date

12600 West I-20 East • Odessa, Texas 79765 • (915) 563-1800 • Fax (915) 563-1713

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument,N.M.

Sampling Date: See Below
Receiving Date: 02/03/00
Analysis Date: See Below

ELT#	FIELD CODE / SAMPLE DATE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23358	MW-3 02/03/00	82.8	80	0	300	568
23359	MW-9 02/02/00	107.8	106	0	300	660
23360	MW-10 02/02/00	109.5	89	0	300	618
23361	MW-11 02/02/00	182.5	115	0	350	823
23362	MW-13 02/02/00	89.8	115	0	370	703
23363	MW-14 02/03/00	230.0	106	0	350	840
23364	MW-15 02/03/00	178.8	106	0	350	803
	QUALITY CONTROL	52.1	5318	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	104	106	*	*	*
	ANALYSIS DATE	02/12/00	02/07/00	02/12/00	02/12/00	02/11/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-16-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/03/00
Analysis Date: 02/04/00

ELT#	FIELD CODE / SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
23358	MW-3 02/03/00	0.480	0.235	0.153	0.441	0.170
23359	MW-9 02/02/00	0.020	0.007	0.001	0.004	0.002
23360	MW-10 02/02/00	0.009	0.004	<0.001	<0.001	<0.001
23361	MW-11 02/02/00	0.027	0.009	0.002	0.004	0.001
23362	MW-13 02/02/00	0.821	0.008	0.020	0.007	0.004
23363	MW-14 02/03/00	0.004	0.001	<0.001	<0.001	<0.001
23364	MW-15 02/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	101	97	95	98	95
	% EA	104	99	97	101	99
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-3

Sampling Date: 02/03/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23358	RPD	%EA	%IA
Naphthalene	0.005	0.013			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	61
2-Fluorobiphenyl SURR	62
Terphenyl-d14 SURR	40

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-9

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23359	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	56
2-Fluorobiphenyl SURR	56
Terphenyl-d14 SURR	35

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-10

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23360	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	65
2-Fluorobiphenyl SURR	67
Terphenyl-d14 SURR	33

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-11

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23361	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			78
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	54
2-Fluorobiphenyl SURR	51
Terphenyl-d14 SURR	23

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-13

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/14/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23362	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	35
2-Fluorobiphenyl SURR	38
Terphenyl-d14 SURR	15

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-14

Sampling Date: 02/03/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/14/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23363	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	62
2-Fluorobiphenyl SURR	63
Terphenyl-d14 SURR	30

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-15

Sampling Date: 02/03/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/14/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23364	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	90
2-Fluorobiphenyl SURR	91
Terphenyl-d14 SURR	28

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 02/03/00
Receiving Date: 02/03/00
Analysis Date: 02/09/00
Analysis Date: Hg 02/08/00

Analyte (mg/L)	MW-3 23358	MW-14 23363	MW-15 23364	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	28.70	55.70	11.90	5.000	97	104	<0.0500	1.41
Arsenic	ND	ND	ND	0.1000	102	120	<0.0050	3.39
Barium	1.530	1.340	1.090	1.000	94	97	<0.0100	0.48
Beryllium	ND	ND	ND	0.0040	106	110	<0.0040	0.00
Cadmium	ND	0.0140	ND	0.0100	100	101	<0.0010	1.90
Calcium	626.0	2540	2020	10.00	96	*	<1.000	0.73
Chromium	ND	0.1200	0.0610	0.0500	97	98	<0.0050	1.47
Cobalt	ND	0.2180	ND	0.0500	99	101	<0.0200	0.99
Copper	ND	ND	ND	1.000	98	106	<0.0100	0.38
Iron	15.70	33.30	6.330	1.000	104	96	<0.0500	3.00
Lead	ND	0.0530	ND	0.0500	98	100	<0.0030	1.98
Magnesium	34.40	73.50	38.50	1.000	97	*	<1.000	0.55
Manganese	0.5010	16.40	0.5620	0.2000	96	97	<0.0150	0.95
Mercury	ND	ND	ND	0.00020	99	89	<0.00020	2.22
Molybdenum	ND	ND	ND	1.00	98	101	<0.050	0.99
Nickel	ND	0.2150	ND	0.2000	97	100	<0.0100	0.80
Potassium	13.90	32.80	12.50	1.000	84	*	<1.000	0.92
Selenium	ND	ND	ND	0.0500	106	110	<0.0050	1.57
Silver	ND	ND	ND	0.05000	104	104	<0.0050	0.00
Sodium	69.10	155.0	169.0	1.000	108	*	<1.000	1.12
Tin	0.0630	0.1240	0.0910	0.0500	98	103	<0.0500	2.87
Vanadium	0.1230	0.3060	0.0810	0.0200	97	104	<0.0200	0.95
Zinc	ND	ND	ND	10.00	102	104	<0.0200	0.84
Boron	ND	ND	ND	0.750	97	99	<0.050	1.65
Strontium	1.32	2.30	1.70	0.050	95	95	<0.050	1.54

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 02/02/00
Receiving Date: 02/03/00
Analysis Date: 02/09/00
Analysis Date: Hg 02/08/00

Analyte (mg/L)	MW-9 23359	MW-10 23360	MW-11 23361	MW-13 23362	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	ND	ND	ND	ND	5.000	97	104	<0.0500	1.41
Arsenic	ND	ND	ND	ND	0.1000	102	120	<0.0050	3.39
Barium	ND	ND	ND	ND	1.000	94	97	<0.0100	0.48
Beryllium	ND	ND	ND	ND	0.0040	106	110	<0.0040	0.00
Cadmium	ND	ND	ND	ND	0.0100	100	101	<0.0010	1.90
Calcium	138.0	279.0	712.0	430.0	10.00	96	*	<1.000	0.73
Chromium	ND	ND	ND	ND	0.0500	97	98	<0.0050	1.47
Cobalt	ND	ND	ND	ND	0.0500	99	101	<0.0200	0.99
Copper	ND	ND	ND	ND	1.000	98	106	<0.0100	0.38
Iron	ND	2.180	2.190	2.870	1.000	104	96	<0.0500	3.00
Lead	ND	ND	ND	ND	0.0500	98	100	<0.0030	1.98
Magnesium	18.30	22.30	27.50	26.90	1.000	97	*	<1.000	0.55
Manganese	ND	ND	0.4900	ND	0.2000	96	97	<0.0150	0.95
Mercury	ND	ND	ND	ND	0.00020	99	89	<0.00020	2.22
Molybdenum	ND	ND	ND	ND	1.00	98	101	<0.050	0.99
Nickel	ND	ND	ND	ND	0.2000	97	100	<0.0100	0.80
Potassium	7.780	6.640	8.230	7.140	1.000	84	*	<1.000	0.92
Selenium	ND	ND	ND	ND	0.0500	108	110	<0.0050	1.57
Silver	ND	ND	ND	ND	0.05000	104	104	<0.0050	0.00
Sodium	100.0	82.50	152.0	89.10	1.000	108	*	<1.000	1.12
Tin	ND	ND	0.0580	0.0540	0.0500	98	103	<0.0500	2.87
Vanadium	0.0270	0.0400	0.0460	0.0350	0.0200	97	104	<0.0200	0.95
Zinc	ND	ND	ND	ND	10.00	102	104	<0.0200	0.84
Boron	ND	ND	ND	ND	0.750	97	99	<0.050	1.65
Strontium	1.02	1.20	1.25	1.26	0.050	95	95	<0.050	1.54

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-15-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 077

Project Manager: Jesse Taylor

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 Midland TX 79704

Project #: EOT 1044C

Project Name: Bob Durham

Project Location: Monument New Mexico

Sampler Signature: [signature]

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD: OTHER	SAMPLING: DATE (2000)	SAMPLING: TIME	BTEX 8021(5030)	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS (160.1)	RCI	ANIONS (300.0)	CATIONS (6010) SM 4500 (D.D)	PAH (8100) or 8270	HEAVY METALS ICP SCAN (6010)
23358	MW 3	5	V.5 ℓ	X					X	X	X			2-3	0930	X						X		X	X	X	X
23359	MW 9													2-2	1500												
23360	MW 10														1520												
23361	MW 11														1605												
23362	MW 13														1540												
23363	MW 14													2-3	1000												
23364	MW 15	↓	↓	↓					↓	↓	↓			2-3	1025	↓						↓		↓	↓	↓	↓

Relinquished by:	Date:	Time:	Received by:
[signature]	2-3-00	1640	[signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: Mail Result - K. Dutton

Invoice: Lennah Frost 10:15 PM

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: Bob Durham
Project Name: EOT1044C
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 01/31/00
Analysis Date: 1/31 - 2/1/00

ELT#	FIELD CODE	SAMPLE DATE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23236	MW-1 (5')	1/25/00	1838	3561
23237	MW-1 (15')	1/25/00	<10	<10
23238	MW-2 (5')	1/25/00	<10	<10
23239	MW-2 (15')	1/25/00	<10	26
23240	MW-3 (15')	1/25/00	<10	29
23241	MW-4 (15')	1/25/00	<10	<10
23242	MW-5 (15')	1/25/00	11	210
23243	MW-6 (15')	1/25/00	<10	37
23244	MW-7 (15')	1/25/00	49	420
23245	MW-8 (15')	1/26/00	<10	124
23246	MW-9 (15')	1/26/00	<10	<10
23247	MW-10 (15')	1/26/00	<10	<10
23248	MW-11 (20')	1/26/00	<10	<10
23249	MW-12 (15')	1/26/00	694	2807
23250	MW-12 (20')	1/26/00	104	863
23251	MW-13 (5')	1/27/00	<10	<10
23252	MW-13 (15')	1/27/00	<10	<10
23253	MW-14 (15')	1/27/00	<10	<10
23254	MW-15 (15')	1/27/00	<10	<10
23255	MW-16 (5')	1/27/00	<10	<10
23256	MW-16 (10')	1/27/00	<10	<10
23257	MW-16 (15')	1/27/00	794	2032
23258	SB-1 (15')	1/28/00	<10	17
	%INSTRUMENT ACCURACY		101	89
	% EXTRACTION ACCURACY		101	94
	BLANK		<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle — 2-3-00
Raland K. Tuttle — Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: Bob Durham
Project Name: EOT1044C
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 01/31/00
Analysis Date: 1/31 - 2/2/00

ELT#	FIELD CODE / SAMPLE DATE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23236	MW-1 (5') 1/25/00	2.51	13.7	13.2	51.5	17.3
23237	MW-1 (15') 1/25/00	<0.100	<0.100	<0.100	<0.100	<0.100
23238	MW-2 (5') 1/25/00	<0.100	<0.100	<0.100	<0.100	<0.100
23239	MW-2 (15') 1/25/00	<0.100	0.106	<0.100	0.129	<0.100
23240	MW-3 (15') 1/25/00	<0.100	0.143	<0.100	0.150	<0.100
23241	MW-4 (15') 1/25/00	<0.100	0.105	<0.100	<0.100	<0.100
23242	MW-5 (15') 1/25/00	<0.100	<0.100	<0.100	0.167	<0.100
23243	MW-6 (15' 1/25/00	<0.100	<0.100	<0.100	<0.100	<0.100
23244	MW-7 (15') 1/26/00	<0.100	0.166	0.170	0.720	0.383
23245	MW-8 (15') 1/26/00	<0.100	<0.100	<0.100	0.131	<0.100
23246	MW-9 (15') 1/26/00	<0.100	0.452	0.312	0.978	0.583
23247	MW-10 (15') 1/26/00	<0.100	<0.100	<0.100	<0.100	<0.100
23248	MW-11 (20') 1/26/00	<0.100	<0.100	<0.100	<0.100	<0.100
23249	MW-12 (15') 1/26/00	<0.100	1.10	1.57	6.16	3.16
23250	MW-12 (20') 1/26/00	<0.100	1.30	0.513	2.59	1.46
23251	MW-13 (5') 1/27/00	<0.100	0.110	<0.100	<0.100	<0.100
23252	MW-13 (15') 1/27/00	<0.100	<0.100	<0.100	<0.100	<0.100
23253	MW-14 (15') 1/27/00	<0.100	0.216	0.243	0.264	0.143
23254	MW-15 (15') 1/27/00	<0.100	<0.100	<0.100	<0.100	<0.100
23255	MW-16 (5') 1/27/00	<0.100	0.114	0.107	0.314	0.262
23256	MW-16 (10') 1/27/00	<0.100	<0.100	<0.100	<0.100	<0.100
23257	MW-16 (15') 1/27/00	0.942	1.38	2.07	7.78	3.25
23258	SB-1 (15') 1/28/00	<0.100	<0.100	<0.100	0.115	<0.100
	% IA	91	91	86	89	87
	% EA	95	90	87	90	86
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-3-00
Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79765
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 74

Project Manager: J. TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI P.O. BOX 4845, MIDLAND, TX 79704

Project #: BOB DURHAM

Project Name: EOT 1044C

Project Location: MONUMENT, NM

Sampler Signature: [signature]

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD: OTHER	SAMPLING: DATE (2000)	SAMPLING: TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 GRO/DRO
23236	MW-1 (5')	1	4oz		X						X			1-25	0750	X								X
23237	MW-1 (15')														0830									
23238	MW-2 (5')														0910									
23239	MW-2 (15')														0925									
23240	MW-3 (15')														1225									
23241	MW-4 (15')														1350									
[illegible]	MW-5 (15')														1520									
[illegible]	[illegible] (15')														1630									
[illegible]	MW-7 (15')													1-26	0820									
23245	MW-8 (15')														0955									
23246	MW-9 (15')														1040									

Relinquished by:	Date:	Time:	Received by:
[signature]	31 Jan 00	1240	
	1/31/00	12:40	Received by Laboratory: [signature]

REMARKS

FAX RESULTS: K. DUTTON

INVOICE: L. FROST

ENVIRONMENTAL LAB OF TEXAS, INC. 12600 West I-20 East Odessa, Texas 79765
(915) 563-1800 FAX (915) 563-1713

a 4-

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 74

Project Manager: C. TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4845 MIDLAND TX 79704

Project #: BOB DURHAM
Project Name: EOT 1044C

Project Location: MONUMENT, NM
Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23247	MW-10 (15')	1	40z	X							X			1-26	1145	X								X
23248	MW-11 (20')														1320									
23249	MW-12 (15')														1425									
23250	MW-12 (20')														1445									
23251	MW-13 (5')													1-27	0940									
23252	MW-13 (15')														1000									
23253	MW-14 (15')														1045									
23254	MW-15 (15')														1145									
23255	MW-16 (5')														1430									
23256	MW-16 (10')														1450									
23257	MW-16 (15')														1520									

	Date:	Time:	Received by:
Relinquished by: Ken Dutton	1-30-00	1240	
Relinquished by:			Received by:
Relinquished by:	Date: 1/31/00	Time: 12:40	Received by Laboratory: Celia Hunt

REMARKS
FAX RES; K. DUTTON

INVOICE: C. FROST

(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

74

Project Manager: J. TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI P.O. BOX 4845, MIDLAND TX 79704

Project #: BOB DURHAM

Project Name: EOT 1044C

Project Location: MONUMENT NM

Sampler Signature: Jean Dutton

LAS # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	H2SO4	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	PCI	TPH 8015 DRO/GRO
23258	SB-1 (15')	1	4oz	X							X			1-28	1410	X								X

Relinquished by:	Date:	Time:	Received by:
	1 Jan 00	1240	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 1/31/00	Time: 12:40	Received by Laboratory:

REMARKS

FAX RES: K. DUTTON

INVOICE: L. FROST

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/12/00
Analysis Date: 2/14 & 2/15/00

ELT#	Field Code/ Sample Date	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23535	MW-17 (15') 2/7/00	<0.100	<0.100	<0.100	<0.100	<0.100
23536	MW-18 (20') 2/7/00	<0.100	<0.100	<0.100	<0.100	<0.100
23537	MW-19 (15') 2/9/00	<0.100	<0.100	<0.100	<0.100	<0.100
23538	MW-20 (15') 2/9/00	<0.100	0.264	0.153	0.272	0.129
23539	MW-22 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23540	MW-23 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23541	MW-23 (20') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23542	MW-24 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23543	MW-25 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23544	SB-2 (15') 2/9/00	<0.100	<0.100	<0.100	0.190	<0.100
23545	SB-2 (5') 2/9/00	<0.100	<0.100	<0.100	<0.100	<0.100
23546	SB-3 (10') 2/9/00	<0.100	<0.100	<0.100	0.184	<0.100
23547	SB-3 (15') 2/9/00	<0.100	<0.100	<0.100	<0.100	<0.100
	% IA	94	92	90	91	88
	% EA	102	98	96	98	95
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

2-16-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/12/00
Analysis Date: 02/14/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	Sample Date
23535	MW-17 (15')	<10	<10	2/07/00
23536	MW-18 (20')	<10	<10	2/07/00
23537	MW-19 (15')	<10	<10	2/09/00
23538	MW-20 (15')	<10	<10	2/09/00
23539	MW-22 (15')	<10	<10	2/10/00
23540	MW-23 (15')	<10	349	2/10/00
23541	MW-23 (20')	<10	<10	2/10/00
23542	MW-24 (15')	<10	<10	2/10/00
23543	MW-25 (15')	<10	<10	2/10/00
23544	SB-2 (15')	<10	<10	2/09/00
23545	SB-2 (5')	<10	<10	2/09/00
23546	SB-3 (10')	14	449	2/09/00
23547	SB-3 (15')	<10	<10	2/09/00
	%INSTRUMENT ACCURACY	111	110	
	% EXTRACTION ACCURACY	112	113	
	BLANK	<10	<10	

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

2-16-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79765
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 079

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4845, MIDLAND TX 79704

Project #: EOT1044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Jesse Dutton

LAS # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	H2SO4	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23535	MW-17 (15')	1	40z	X							X			2-7	1440	X								X
23536	MW-18 (20)													2-7	1530									
23537	MW-19 (15')													2-9	0900									
23538	MW-20 (15')													2-9	0945									
23539	MW-22 (15')													2-10	0840									
23540	MW-23 (15)													2-10	1440									
23541	MW-23 (20')													2-10	1510									
23542	MW-24 (15')													2-10	1540									
23543	MW-25 (15')													2-10	1610									
23544	SB-2 (15')													2-9	1445									
23545	SB-2 (5')													2-9	1400									

Relinquished by:	Date:	Time:	Received by:
Jesse Dutton	11 Feb 00	1554	
Relinquished by:	Date:	Time:	Received by:
Wayne Watts	02-12-00	1115	mcmurry
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

FAX RESULTS:
K. DUTTON

INVOICE: L. FROST

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: J. TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI P.O. BOX 4845, MIDLAND TX 79704

Project #: EOT 1044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: [signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
235 46	SB-3 (10')	1	4oz		X						X			2-9	1520	X								X
235 47	SB-3 (15')	1	4oz		X						X			2-9	1550	X								X

Relinquished by:	Date:	Time:	Received by:
[signature]	11 FEB 00	1554	[signature]
[signature]	02-12-00	1115	[signature]
			Received by Laboratory:

REMARKS

FR: K. DUTTON,

INVOICE: L. FROST

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 083

Project Manager: Jesse Taylor

Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
PO BOX 4845 MIDLAND TX 79704

Project #: ECT 1C44C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8021B/8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS 160.1	RCI	Anions (300.0)	Cations (6010/SM 4500 Ca)	PAH (8310) or 8270	Heavy Metals (ICP Scan)(6010)
23650	MW 17	5	1L	X					X	X	X			2-17	1315	X						X		X	X	X	X
23651	MW 18														1235												
23652	MW 19														1142												
23653	MW 22														1207												
23654	MW 24														1123												
23655	MW 25														1100												

Relinquished by:	Date:	Time:	Received by:
Simon Casas	2-17-00	1500	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: FR: KEN DUTTON