ABATEMENT PLAN

SUBSURFACE INVESTIGATION REPORT

(STAGE 1 ABATEMENT PLAN)

FILE

EOTT ENERGY CORP
R. L. ROGERS RELEASE SITE
LEA COUNTY, NEW MEXICO

RECEIVED
MAR 12 2001
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

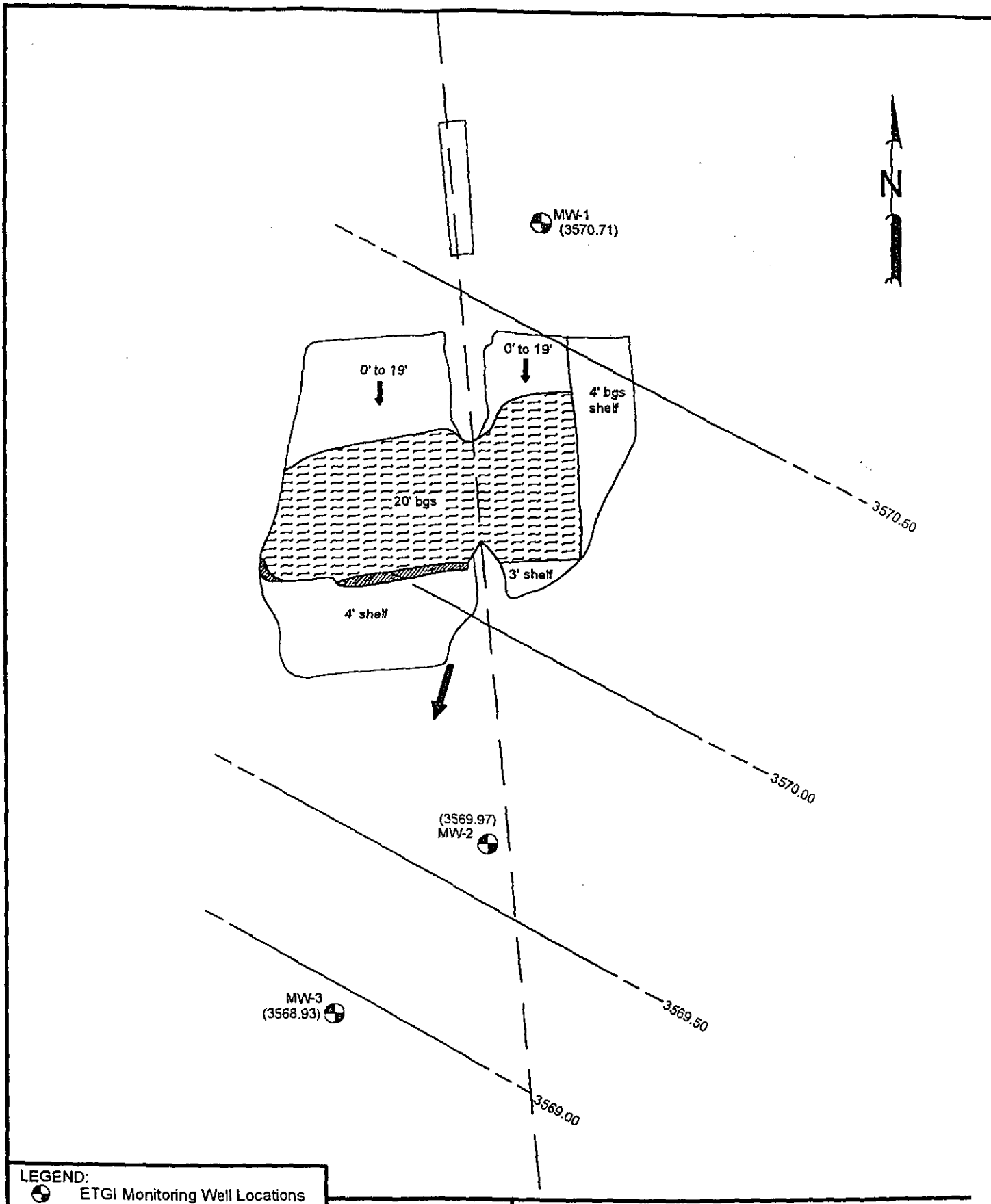
Prepared For:
EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Environmental Technology Group, Inc. Project No. EOT1041C

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

May 2000

Revised: June 2000



LEGEND:

- ETGI Monitoring Well Locations
- EOTT Pipeline
- Excavation Area
- Groundwater
- Ground Water Contour Lines
- (3546.09) Ground Water Elevations (in feet)

Figure 3
Inferred Ground Water Gradient Map

EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 60'	Prep By: RS	Checked By: MVS
May 4, 2000	ETGI Project # EOT 1041C	

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. EOT1041C

Prepared by:

Jesse Taylor
Principal Geologist

Jerry Nickell
Managing Principal

Environmental Technology Group, Inc.
4600 West Wall Street
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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 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 approximately 800 feet to the north. Generally, the surface consists of unconsolidated sand covered by sparse grasses and mesquite trees. There are no structures or facilities at the site and the only site features are the excavation and monitoring wells as depicted on Figure 2, the Site Map.

The excavation was made under the direct supervision of EOTT Energy Corp. (EOTT). Any questions regarding this feature should be directed to Mr. Wayne Brunette of EOTT. At the request of EOTT, Environmental Technology Group, Inc. (ETGI) completed three borings as monitoring wells around an existing excavation and collected confirmation side wall samples as discussed below.

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 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.

3.0 RECENT FIELD ACTIVITIES

Three borings were completed as monitoring wells at the site in order to characterize the ground water conditions around an existing excavation. The drilling activities were conducted on February 7, 2000. The location of these borings, and the excavation, are depicted on Figure 2.

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 monitoring wells were developed on February 9, 2000. The depth to water was measured on February 22 and April 5, 2000 and ground water samples were collected on February 23 and April 5, 2000. In addition, a ground water sample was collected from the excavation on February 29, 2000. The depth to ground water and ground water elevations are provided as Table 2 and a ground water gradient map is provided as Figure 3. The ground water chemistry is provided as Tables 3 and 4. For reference, the benzene, toluene, ethylbenzene and xylenes (BTEX) concentrations are posted on Figure 4. All laboratory reports are provided as Appendix B.

On May 3, 2000, eight sidewall soil samples were collected from the excavation walls and submitted for laboratory analysis. The soil samples were collected from immediately above the water table at a depth of 17' bgs at the approximate locations shown on Figure 5. The soil chemistry data, for both the borings and sidewall samples, are provided in Table 1 and the soil boring logs are provided as Appendix A.

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 BTEX using EPA Method 8021B, 5030. Ground water samples were also subjected to analysis of selected semi-volatile organic compounds (SVOC), and 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.

4.0 RESULTS

4.1 NEW MEXICO OIL CONSERVATION (OCD) SOIL CLASSIFICATION

During the site investigation, Highly Contaminated/Saturated Soils, as described by the OCD Guidelines, were not detected in the soil borings/monitoring wells or the excavation. Laboratory analysis of one sample collected from the excavation wall contained adsorbed phase hydrocarbons with a TPH-DRO concentration of 290 mg/kg.

The depth to ground water, as measured from the well head casing, ranges from 15.5 feet bgs in monitoring well MW-3 to 24.5 feet bgs in monitoring well MW-1. Therefore, the OCD ranking score of 20 must be assigned to the site. In addition, a water supply well is located approximately 800 feet to the northeast, also confirming the OCD ranking score of 20. There are no surface water bodies within 200 feet of the site.

4.2 DISTRIBUTION OF HYDROCARBONS IN SOIL

No evidence of petroleum impact was observed in the unsaturated zone at the boring locations. Low concentrations of xylenes were observed in soil samples collected at the water table from the borings later completed as monitoring wells MW-2 and MW-3. These concentrations were below regulatory limits. The concentrations of TPH from these samples were below the detection limit. Soil samples collected from the walls of the existing excavation revealed BTEX levels below detection limits except in two samples. Samples SS04 and SS06 had toluene and/or m,p-Xylene slightly above detection limits but well below regulatory levels. The concentrations of TPH-GRO in all eight soil samples were below detection limits. The concentration of TPH-DRO in six soil samples were below detection limits. Sample SS05 exhibited a TPH-DRO concentration of 10 mg/kg, which is well below regulatory levels. Sample SS04 exhibited TPH-DRO concentration of 290 mg/kg, which is above regulatory levels for a site with an OCD ranking of 20. Sample SS04 is located directly beneath the pipeline on the south wall as shown in Figure 5.

4.3 DISTRIBUTION OF HYDROCARBONS IN GROUND WATER

The ground water gradient slopes to the southeast at a gradient of 0.005 feet per foot as depicted on Figure 3. Dissolved phase concentrations of BTEX were either below detection limits or below maximum contaminant levels (MCLs) with one exception. Dissolved phase benzene, at a concentration of 6 ug/L, was detected in the sample collected from monitoring well MW-3, the most downgradient well, on February 23, 2000. However, the benzene concentration, in the sample from this well on April 5, 2000, was below OCD and MCL levels for benzene. Dissolved phase SVOC were below the detection limit at all of the monitoring well locations.

Dissolved phase concentrations of BTEX were below the detection limit for the sample collected from the excavation. Dissolved phase concentrations of volatile organic compounds (VOC), EPA Method 8260, were also below detection limits

5.0 SUMMARY AND CONCLUSIONS

No evidence of petroleum impact was observed in the unsaturated zone at the boring locations. Concentrations of BTEX in soil samples collected at the water table from the borings were below regulatory limits. The concentrations of TPH from these samples were below the detection limit. One sample of petroleum impacted soil was collected from the south excavation wall at 17' bgs directly beneath the pipeline.

As is common to the area, the ground water gradient slopes to the southeast at a gradient of 0.005 feet per foot. Dissolved phase concentrations of BTEX were either below detection limits or below MCL with one exception. Dissolved phase benzene, at a concentration of 6 ug/L, was detected in the sample collected from monitoring well MW-3, the most downgradient well, on February 23, 2000. However, the benzene concentration, in the sample from this well collected on April 5, 2000, was below OCD and MCL levels for benzene. Dissolved phase SVOC were below the detection limit at all of the monitoring well locations.

Dissolved phase concentrations of BTEX were below the detection limit for the sample collected from the excavation. Dissolved phase concentrations of VOC (EPA Method 8260) were also below detection limits.

6.0 RECOMMENDATIONS

ETGI recommends that portion of the excavation, adjacent to the clean side wall samples, be backfilled with clean material such that the pipeline integrity in the currently exposed portion can be maintained. The backfill should incorporate a confining /impermeable clay like cap (minium of three feet in thickness above the top of the aquifer) in order to prevent the development or existence of preferential pathways to the ground water. The backfill material in this portion of the excavation will allow the impacted soil, located under the pipeline in the southern portion of the site, to be excavated and treated ex situ or subject to disposal.

It is recommended that no active abatement of ground water be conducted at the site. Ground water monitoring from all monitoring wells should continue for one year in order to demonstrate the following.

- Ground water concentrations remain below MCL in monitoring wells MW-1 and MW-2.
- Benzene concentrations in monitoring well MW-3 demonstrate reductions below MCL, by way of natural attenuation.

Following the successful conclusion of ground water monitoring activities it is recommended that ground water monitoring be discontinued and final closure of the site be completed through the New Mexico Oil Conservation Division.

7.0 MONITORING PLANS

All site monitoring wells will be gauged and sampled on a quarterly basis. Each well will be measured for the depth to groundwater. All of the groundwater monitoring wells will be purged and sampled for BTEX and TPH.

After purging the wells, groundwater samples will be collected with a disposable Teflon sampler and polyethylene liner by personal wearing clean, disposable gloves.

Groundwater sample containers will be filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers will be filled first and TPH containers second).

Groundwater samples collected for BTEX analysis will be placed in 40 ml glass VOA vials equipped with Teflon line 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 groundwater samples will be analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8020, 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, 2001

8.0 SCHEDULE OF ACTIVITIES

The quarterly sampling event is scheduled for the first week of July 2000. Subsequent quarterly sampling events will be conducted in October 2000, January and April 2001.

9.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROCEDURES

9.1 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 8015-GRO/DRO

9.2 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 can be obtained.

After purging the wells, ground water samples were collected with a disposable Teflon sampler and polyethylene liner by personnel wearing clean, disposable gloves. Ground water sample containers were filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers were filled first and polynuclear aromatic hydrocarbons (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, one 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 8015-GRO/DRO

9.3 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 will be cleaned with Liqui-Nox® detergent and rinsed with distilled water.

9.4 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures. These procedures were either transmitted with the laboratory reports or on file at the laboratory.

10.0 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 oral statements made by certain individuals. 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.

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Midland, Texas 79703

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Quality Control Review

By: Jason Henry
Jason Henry, Staff Environmental Scientist

TABLES

TABLE 1

SUMMARY OF SOIL CHEMISTRY
R.L. RODGERS LEAK SITE
LEA COUNTY, NM
ETGI PROJECT #EOT1041C

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	02/07/00	20'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
MW-2	02/07/00	20'	<0.100	<0.100	<0.100	0.170	<0.100	<10	<10
MW-3	02/07/00	15'	<0.100	<0.100	<0.100	0.107	<0.100	<10	<10
SS01/East Wall 17' bgs	05/03/00	17'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
SS02/SE Corner 17' bgs	05/03/00	17'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
SS03/South Wall East 17' bgs	05/03/00	17'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
SS04/South Wall P/L 17' bgs	05/03/00	17'	<0.100	0.101	<0.100	0.108	<0.100	<10	290
SS05/South Wall West 17 bgs	05/03/00	17'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	10
SS06/West Wall 17' bgs	05/03/00	17'	<0.100	<0.100	<0.100	0.109	<0.100	<10	<10
SS07/North Wall West 17' bgs	05/03/00	17'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10
SS08/North Wall East 17' bgs	05/03/00	17'	<0.100	<0.100	<0.100	<0.100	<0.100	<10	<10

TABLE 2
GROUND WATER ELEVATION DATA
R.L. ROGERS SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1041C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	02/22/00	3593.22	-	22.53	0.00	3570.69
	04/05/00			22.51	0.00	3570.71
MW-2	02/22/00	3591.20	-	21.55	0.00	3569.65
	04/05/00			21.55	0.00	3569.67
MW-3	02/22/00	3588.85	-	19.98	0.00	3568.87
	04/05/00			19.98	0.00	3568.93

TABLE 3

SUMMARY OF GROUND WATER CHEMISTRY
R. L. RODGERS LEAK SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1041C

SAMPLE LOCATION	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-1	02/23/00	<0.001	0.001	<0.001	<0.001	<0.001	206	170	0	220	759
	04/05/00	0.002	<0.001	0.002	0.009	0.005					
MW-2	02/23/00	<0.001	0.001	<0.001	<0.001	<0.001	186	163	0	330	756
	04/05/00	0.003	0.011	0.001	0.025	0.003					
MW-3	02/23/00	0.006	0.002	<0.001	0.002	0.002	230	195	0	335	975
	04/05/00	0.002	<0.001	<0.001	<0.001	<0.001					

TABLE 4

ADDITIONAL GROUND WATER CHEMISTRY
Semi-volatiles
R. L. RODGERS
LEA COUNTY, NM
ETGI PROJECT # EOT1041C

Analyte (mg/L)	MW-1 02/23/00	MW-2 02/23/00	MW-3 02/23/00	Reporting Limit
Naphthalene	ND	ND	ND	0.005
Acenaphthylene	ND	ND	ND	0.005
Acenaphthene	ND	ND	ND	0.005
Fluorene	ND	ND	ND	0.005
Phenanthrene	ND	ND	ND	0.005
Anthracene	ND	ND	ND	0.005
Fluoranthene	ND	ND	ND	0.005
Pyrene	ND	ND	ND	0.005
Benzo[a]anthracene	ND	ND	ND	0.005
Chrysene	ND	ND	ND	0.005
Benzo[b]fluoranthene	ND	ND	ND	0.005
Benzo[k]fluoranthene	ND	ND	ND	0.005
Benzo[a]pyrene	ND	ND	ND	0.005
Indeno[1,2,3-cd]pyrene	ND	ND	ND	0.005
Dibenz[a,h]anthracene	ND	ND	ND	0.005
Benzo[g,h,i]perylene	ND	ND	ND	0.005

ND = Below Reporting Limit

METHOD: EPA SW846-8270C, 3510

TABLE 4

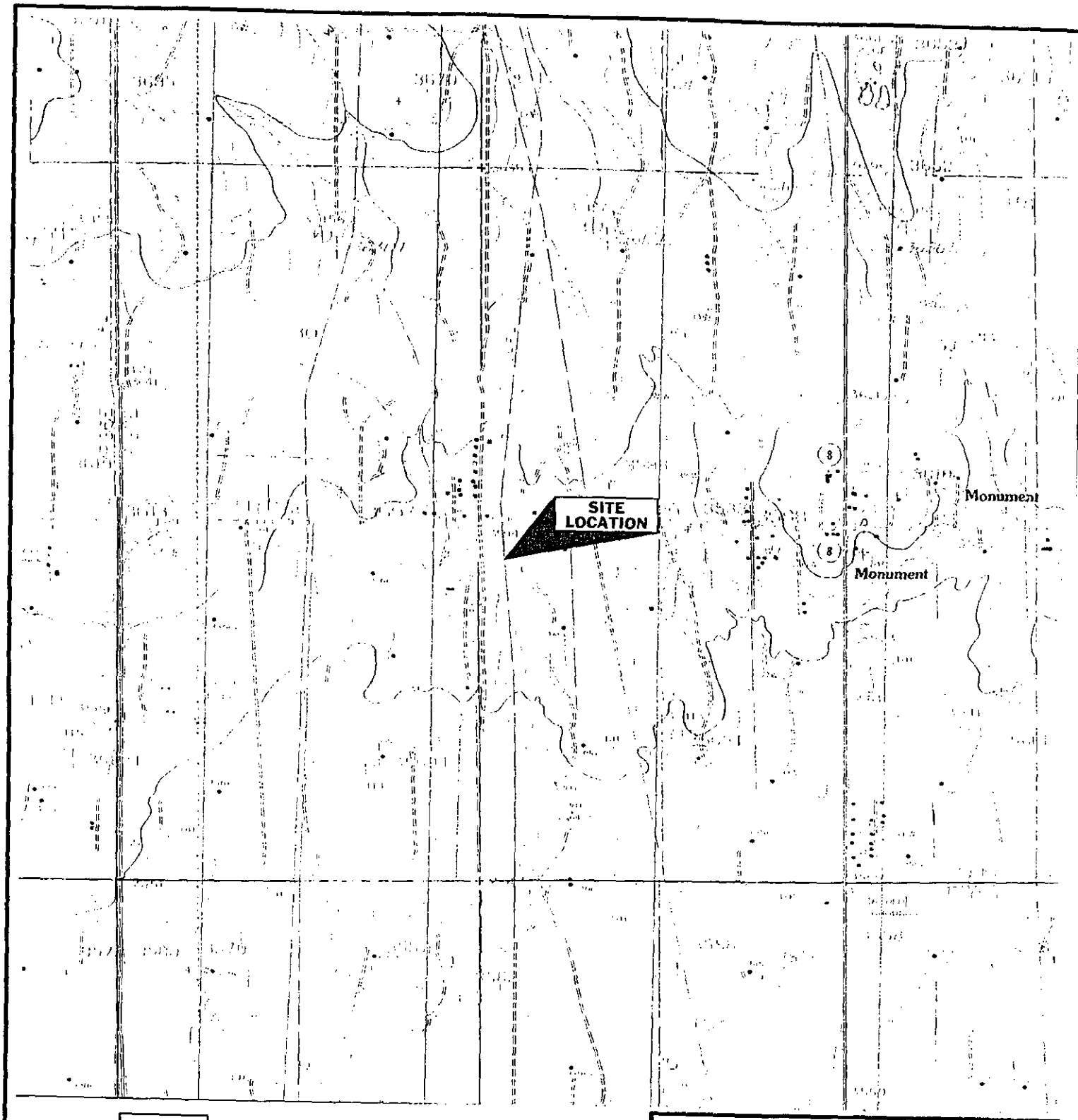
ADDITIONAL GROUND WATER CHEMISTRY
Metals
R. L. ROGERS LEAK SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1041C

Analyte (mg/L)	MW-1 02/23/00	MW-2 02/23/00	MW-3 02/23/00	REPORTING LIMIT
Aluminum	0.2530	2.640	4.680	0.0500
Arsenic	ND	ND	0.0080	0.0500
Barium	0.1410	0.2440	0.1830	0.0100
Beryllium	ND	ND	ND	0.0040
Cadmium	ND	ND	ND	0.0010
Calcium	139.0	248.0	256.0	1.000
Chromium	ND	0.0080	0.0110	0.0050
Cobalt	ND	ND	ND	0.0200
Copper	ND	ND	ND	0.0100
Iron	0.2600	1.680	3.240	0.0500
Lead	ND	ND	ND	0.0030
Magnesium	23.90	24.50	34.50	1.000
Manganese	0.0490	0.0590	0.1120	0.0150
Mercury	ND	ND	ND	0.00020
Molybdenum	ND	ND	ND	0.050
Nickel	ND	ND	ND	0.0100
Potassium	6.310	6.920	7.340	1.000
Selenium	0.0050	ND	ND	0.0050
Silver	ND	ND	ND	0.00500
Sodium	91.70	117.0	176.0	1.000
Tin	ND	ND	ND	0.0500
Vanadium	ND	0.0270	0.0350	0.0200
Zinc	ND	0.0550	0.0700	0.0200
Boron	0.161	0.188	0.275	0.050
Strontium	1.33	1.29	1.70	0.050

ND = Below Reporting Limit

METHOD: EPA SW846-6010B, 7470

FIGURES



NM

QUADRANGLE LOCATION
S32, T19S, R37E

MONUMENT SOUTH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

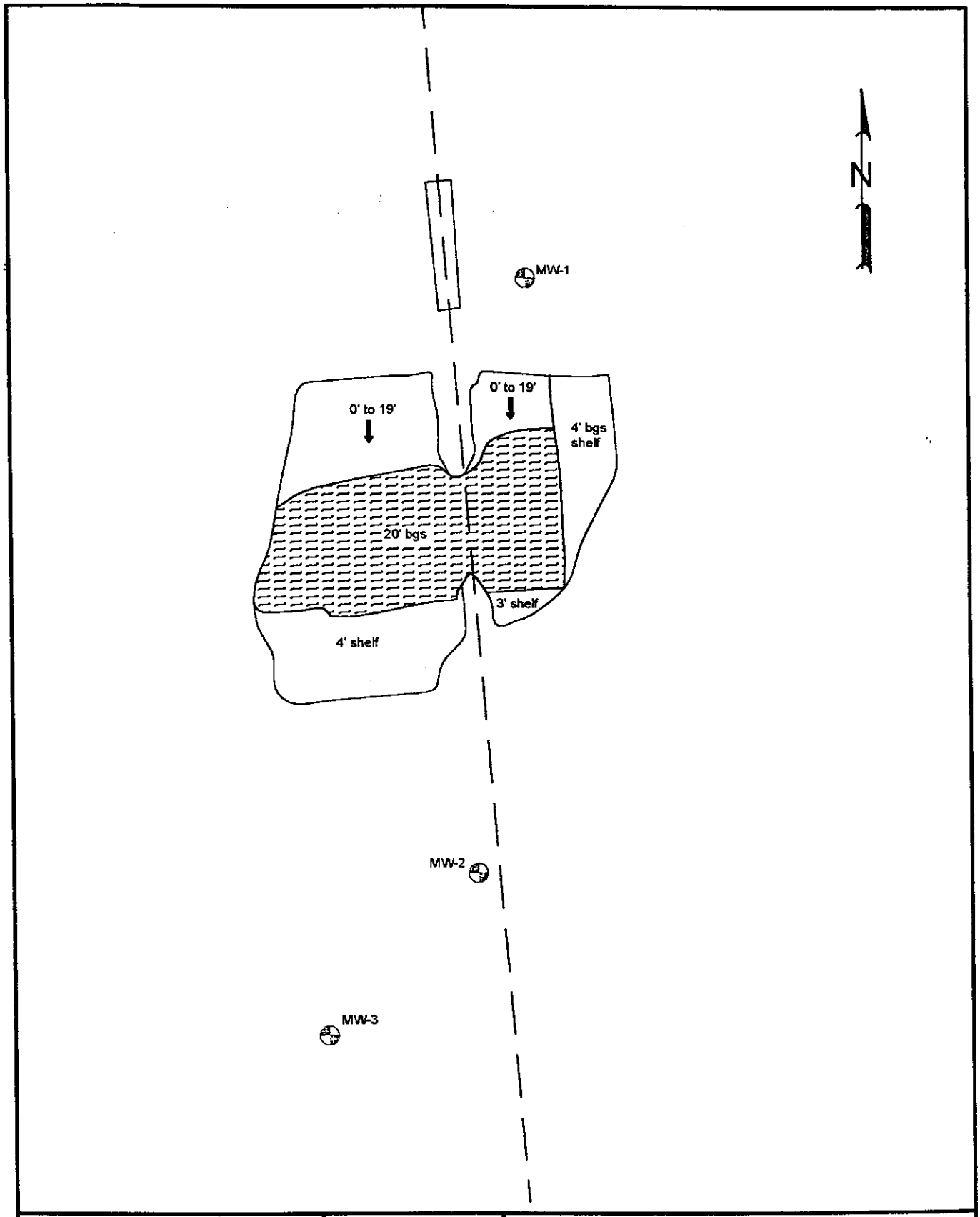
N

scale: 1" = 2000'

FIGURE 1
SITE LOCATION MAP
EOTT ENERGY CORP.
R. L. RODGERS
LEA COUNTY, NM

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

Environmental Technology Group, Inc.
E T
Environmental Consulting & Remediation Services



LEGEND:

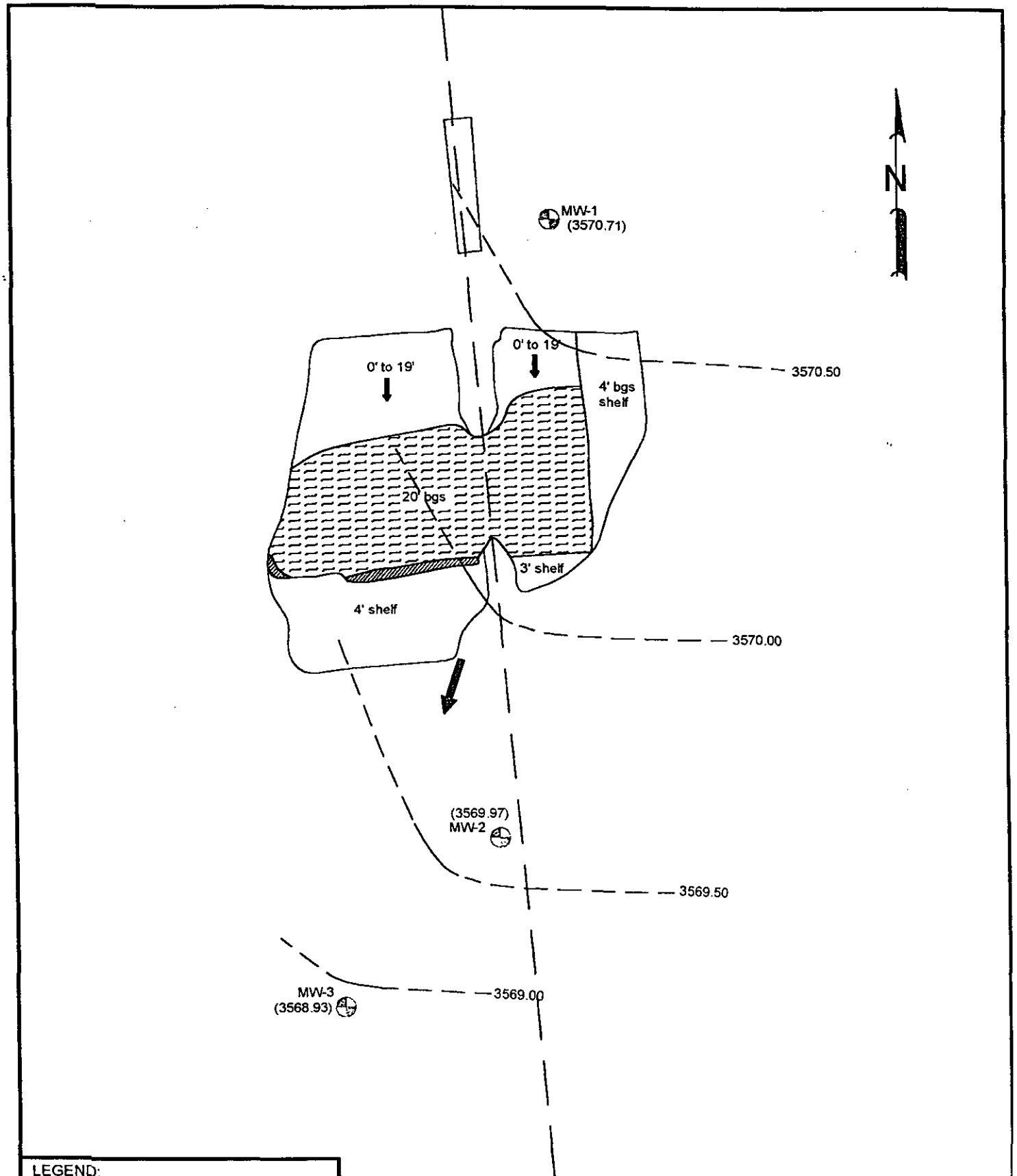
- ETGI Monitoring Well Locations
- EOTT Pipeline
- Excavated Area
- Groundwater

Figure 2
Site Map

EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 65'	Prep By: RS	Checked By: JT
March 8, 2000	ETGI Project # EOT 1041C	



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Inferred Ground Water Gradient Map
EOTT Energy Corp.
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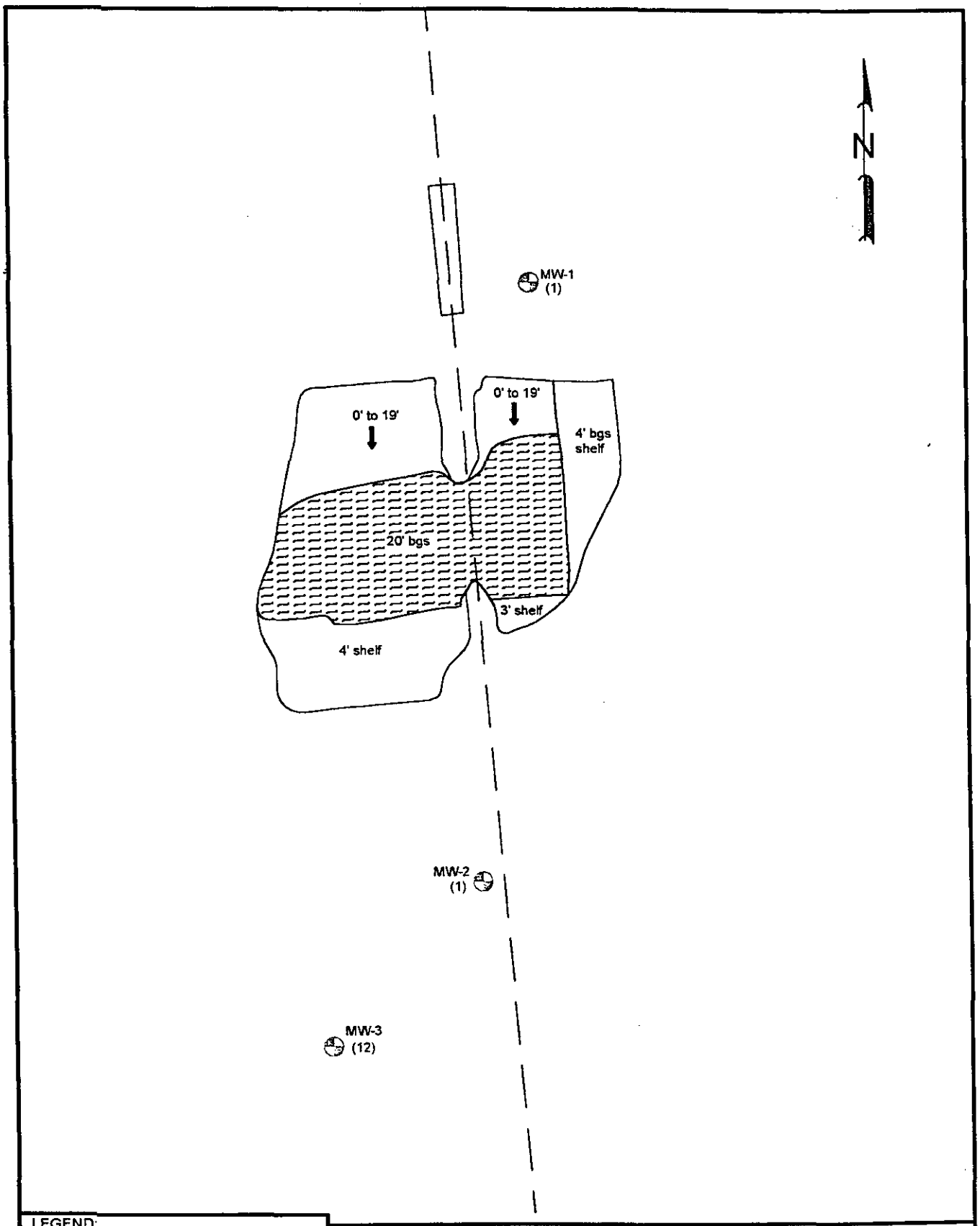


LEGEND:

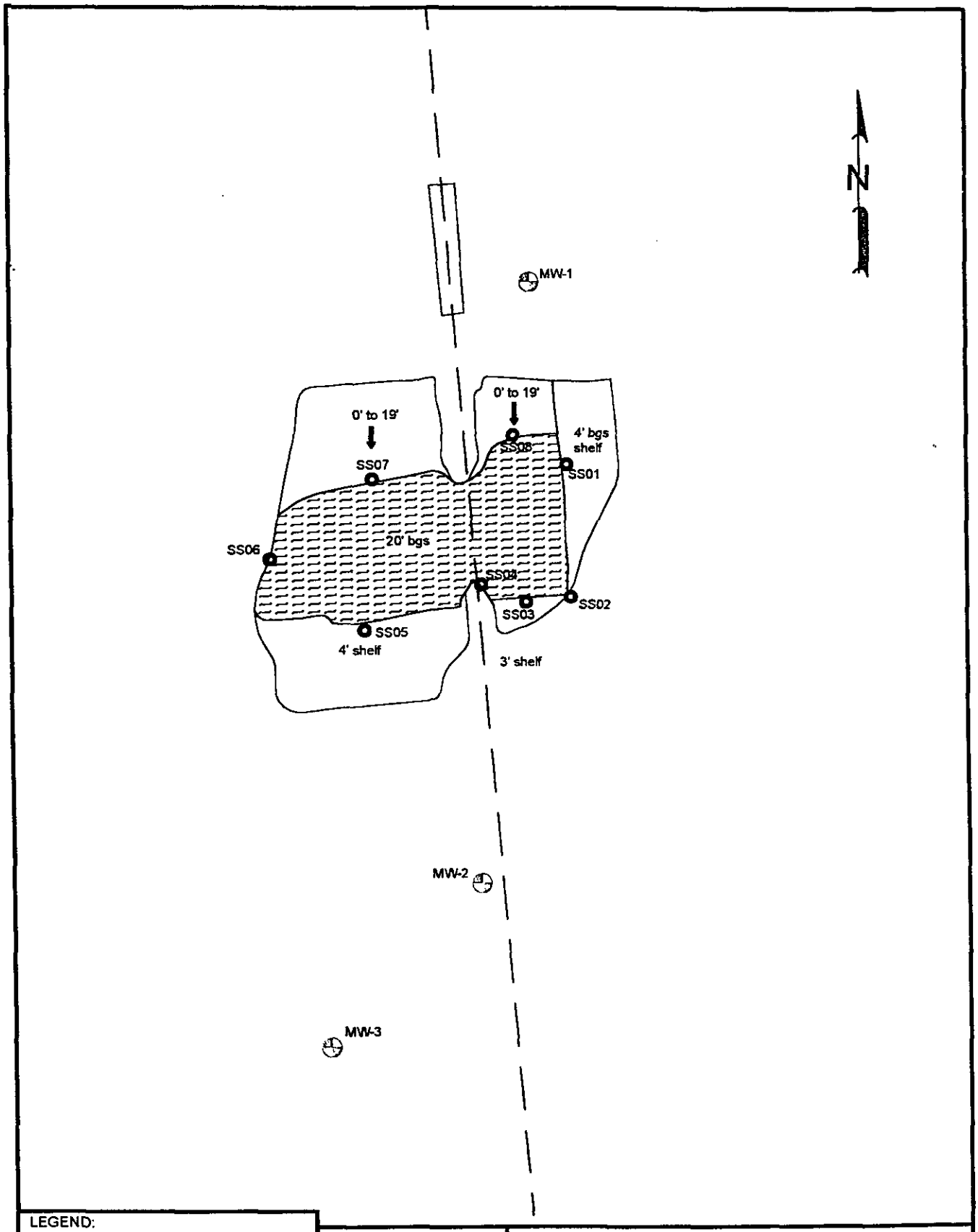
- ETGI Monitoring Well Locations
- EOTT Pipeline
- Excavation Area
- Groundwater
- (1) BTEX Concentration (µg/L)

Figure 4
Total BTEX in Ground Water

EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 85'	Prep By: RS	Checked By: JT
March 8, 2000	ETGI Project # EOT 1041C	



LEGEND:

- ETGI Monitoring Well Locations
- Side Wall Sample
- EOTT Pipeline
- Excavated Area
- Groundwater

Figure 5
Soil Sample Location Map

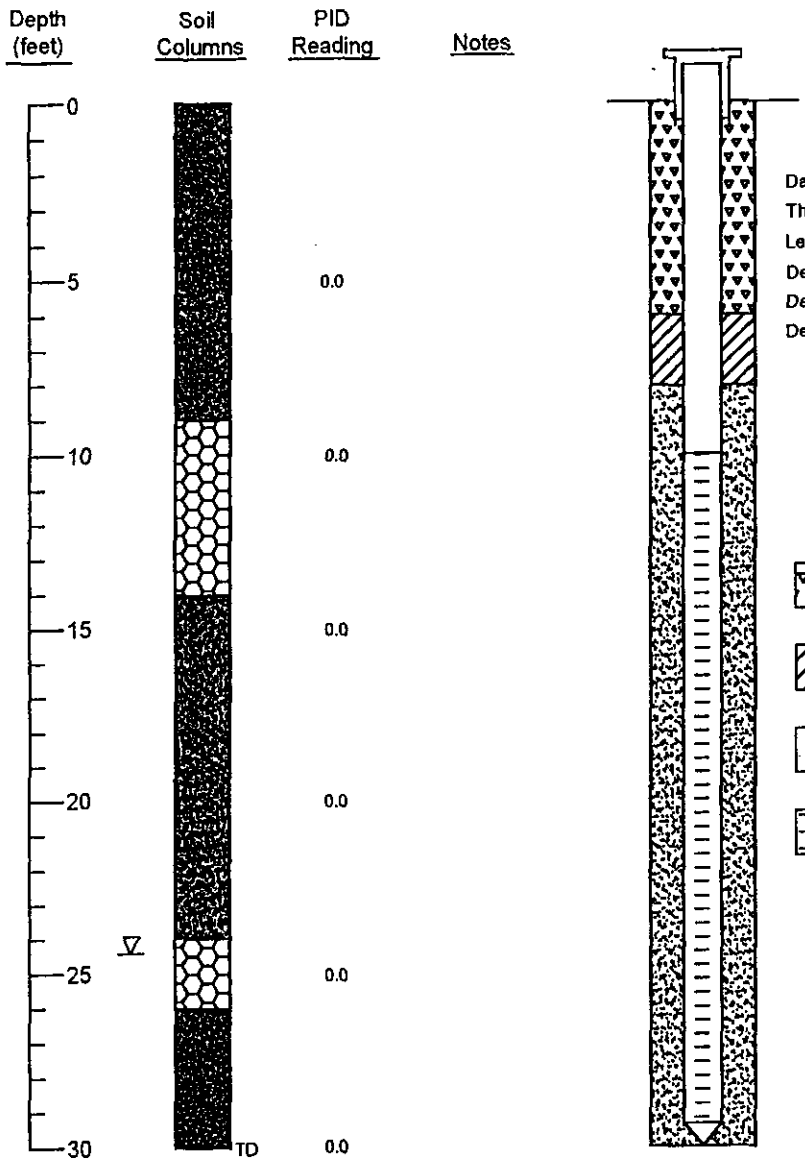
EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 65'	Prep By: RS	Checked By: JT
March 8, 2000	ETGI Project # EOT 1041C	

APPENDIX A

Monitoring Well MW - 1



Monitoring Well Details

Date Drilled	02 - 07 - 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	24.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

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

Clay - (ML) - Red, sandy, silty, soft, moist to wet

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 drilling 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

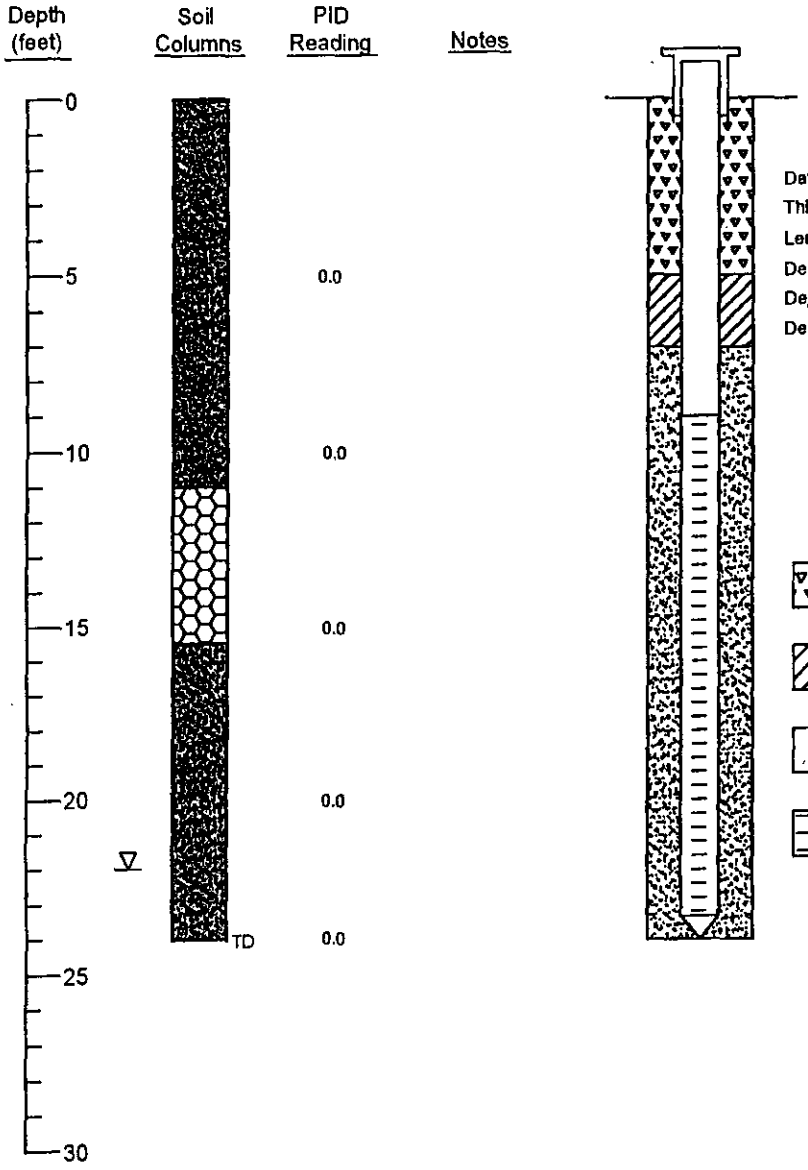
Monitoring Well - 1

EOTT Energy Corp. R. L. Rodgers Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: RS	Checked By: JT
February 17, 2000	ETGI Project # EOT 1041C	

Monitoring Well MW - 2



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	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	21.8 ft

Grout *Surface Seal*

Bentonite Pellet Seal

Sand Pack

Screen

Legend

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

Clay - (ML) - Red, sandy, silty, soft, moist to wet

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 drilling 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

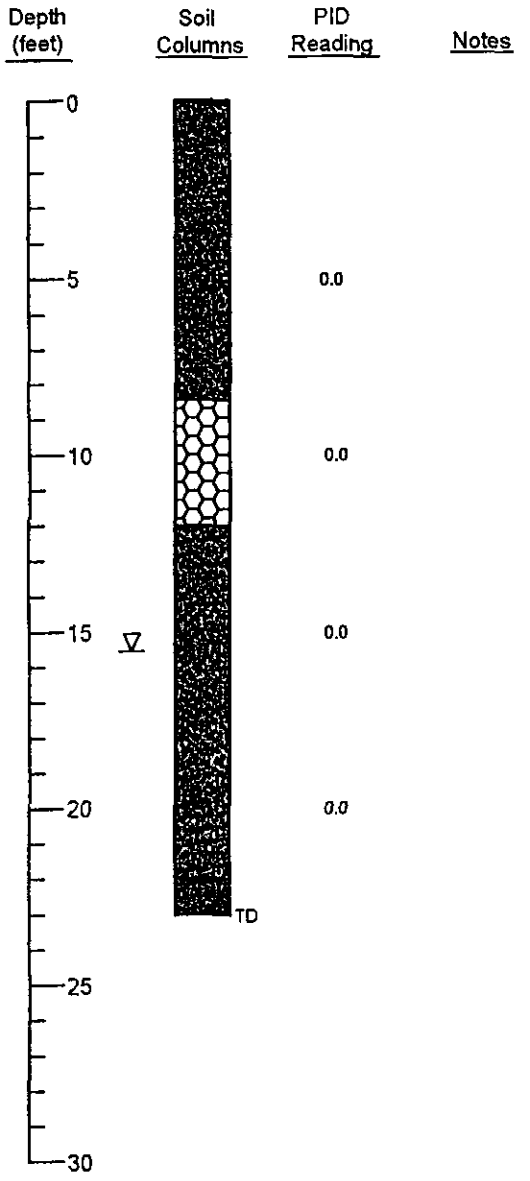
Monitoring Well - 2

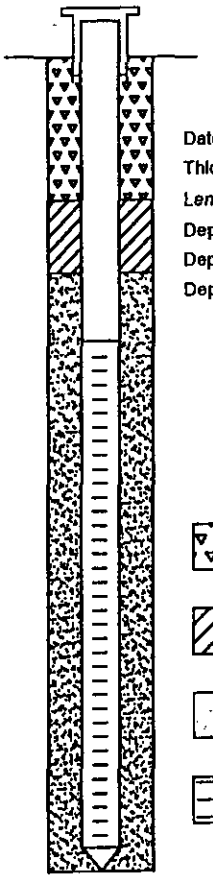
EOTT Energy Corp. R. L. Rodgers Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: RS	Checked By: JT
February 17, 2000	ETGI Project # EOT 1041C	

Monitoring Well MW - 3





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	23 ft
Depth of Exploratory Well	23 ft
Depth to Ground Water	15.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

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

Clay - (ML) - Red, sandy, silty, soft, moist to wet

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 drilling 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 - 3

EOTT Energy Corp. R. L. Rodgers Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: RS	Checked By: JT
February 17, 2000	ETGI Project # EOT 1041C	

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: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1041C
Project Name: R.L. Rodgers
Project Location: Monument, N.M.

Sampling Date: 02/07/00
Receiving Date: 02/12/00
Analysis Date: 2/14 & 2/15/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23532	MW-1 (20')	<0.100	<0.100	<0.100	<0.100	<0.100
23533	MW-2 (20')	<0.100	<0.100	<0.100	0.170	<0.100
23534	MW-3 (15')	<0.100	<0.100	<0.100	0.107	<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

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 #: EOT1041C
Project Name: R.L. Rodgers
Project Location: Monument, N.M.

Sampling Date: 02/07/00
Receiving Date: 02/12/00
Analysis Date: 02/14/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23532	MW-1 (20')	<10	<10
23533	MW-2 (20')	<10	<10
23534	MW-3 (15')	<10	<10

%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, [illegible]
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 080

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760
Company Name & Address: ETGI P.O. Box 4845, MIDLAND TX 79704
Project #: 1041C EOT [redacted]
Project Name: R.L. [redacted] RODGERS
Project Location: MONUMENT NM
Sampler Signature: Jesse 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	ANALYSIS REQUEST: 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
23532	MW-1 (20')	1	4oz	X							X			2-7	1130	X							X
23533	MW-2 (20')	1	4oz	X							X			2-7	1210	X							X
23534	MW-3 (15')	1	4oz	X							X			2-7	1310	X							X

Relinquished by:	Date:	Time:	Received by:
K. Dutton	11-4-00	1555	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
[illegible] Walker	02-12-00	1115	

REMARKS
F.-R.
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: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/24/00

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
23713	MW-1	<0.001	0.001	<0.001	<0.001	<0.001
23714	MW-2	<0.001	0.001	<0.001	<0.001	<0.001
23715	MW-3	0.006	0.002	<0.001	0.002	0.002
% IA		94	89	89	90	89
% EA		95	90	90	91	90
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-28-00
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 1041C
Project Name: R.L. Rogers
Project Location: Monument,N.M.

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/24/00

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23713	MW-1	206	170	0	220	759
23714	MW-2	186	163	0	330	756
23715	MW-3	230	195	0	335	975
	QUALITY CONTROL	52.7	5318	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	105	106	*	*	*

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-28-00
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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.
Field Code: MW-1

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Extraction Date: 02/25/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23713	RPD	%EA	%IA
Naphthalene	0.005	ND			92
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	2.90	68	94
Fluorene	0.005	ND			98
Phenanthrene	0.005	ND			102
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			94
Pyrene	0.005	ND	1.50	66	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			94
Benzo[k]fluoranthene	0.005	ND			100
Benzo [a]pyrene	0.005	ND			100
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			100

	% RECOVERY
Nitrobenzene-d5 SURR	76
2-Fluorobiphenyl SURR	86
Terphenyl-d14 SURR	81

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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.
Field Code: MW-2

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Extraction Date: 02/25/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23714	RPD	%EA	%IA
Naphthalene	0.005	ND			92
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	2.90	68	94
Fluorene	0.005	ND			98
Phenanthrene	0.005	ND			102
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			94
Pyrene	0.005	ND	1.50	66	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			94
Benzo[k]fluoranthene	0.005	ND			100
Benzo [a]pyrene	0.005	ND			100
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			100

	% RECOVERY
Nitrobenzene-d5 SURR	78
2-Fluorobiphenyl SURR	84
Terphenyl-d14 SURR	91

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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.
Field Code: MW-3

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Extraction Date: 02/25/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23715	RPD	%EA	%IA
Naphthalene	0.005	ND			92
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	2.90	68	94
Fluorene	0.005	ND			98
Phenanthrene	0.005	ND			102
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			94
Pyrene	0.005	ND	1.50	66	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			94
Benzo[k]fluoranthene	0.005	ND			100
Benzo [a]pyrene	0.005	ND			100
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			100

	% RECOVERY
Nitrobenzene-d5 SURR	76
2-Fluorobiphenyl SURR	82
Terphenyl-d14 SURR	84

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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sample Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/26/00

Analyte (mg/L)	MW-1 23713	MW-2 23714	MW-3 23715	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	0.2530	2.640	4.680	0.0500	104	111	<0.0500	1.22
Arsenic	ND	ND	0.0080	0.0500	104	110	<0.0050	3.70
Barium	0.1410	0.2440	0.1830	0.0100	102	101	<0.0100	2.82
Beryllium	ND	ND	ND	0.0040	96	96	<0.0040	2.11
Cadmium	ND	ND	ND	0.0010	94	94	<0.0010	2.15
Calcium	139.0	248.0	256.0	1.000	96	*	<1.000	0.69
Chromium	ND	0.0080	0.0110	0.0050	94	92	<0.0050	2.19
Cobalt	ND	ND	ND	0.0200	95	94	<0.0200	2.60
Copper	ND	ND	ND	0.0100	93	97	<0.0100	3.36
Iron	0.2600	1.680	3.240	0.0500	99	98	<0.0500	0.81
Lead	ND	ND	ND	0.0030	94	94	<0.0030	2.15
Magnesium	23.90	24.50	34.50	1.000	99	*	<1.000	0.41
Manganese	0.0490	0.0590	0.1120	0.0150	94	93	<0.0150	2.56
Mercury	ND	ND	ND	0.00020	95	106	<0.00020	0.94
Molybdenum	ND	ND	ND	0.050	94	96	<0.050	2.32
Nickel	ND	ND	ND	0.0100	95	92	<0.0100	2.63
Potassium	6.310	6.920	7.340	1.000	85	*	<1.000	0.77
Selenium	0.0050	ND	ND	0.0050	108	108	<0.0050	1.71
Silver	ND	ND	ND	0.00500	94	92	<0.0050	0.00
Sodium	91.70	117.0	176.0	1.000	112	*	<1.000	0.42
Tin	ND	ND	ND	0.0500	104	103	<0.0500	1.96
Vanadium	ND	0.0270	0.0350	0.0200	94	96	<0.0200	2.52
Zinc	ND	0.0550	0.0700	0.0200	97	99	<0.0200	3.29
Boron	0.161	0.188	0.275	0.050	103	107	<0.050	1.64
Strontium	1.33	1.29	1.70	0.050	97	91	<0.050	2.26

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

Raland K. Tuttle

2-29-00
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 87

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-2260

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

Project #: EOT 1041C
Project Name: R.L. Rogers

Project Location: Monument, NM
Sampler 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 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 160.1	RCI	PAH 8100 or 8270	Heavy metals 6010	Cations 6010	Anions 300.0
23713	MW 1	5	V/S L	X					X	X	X			2/23	1425	X								X	X	X	X
23714	MW 2	5	↓	↓					↓	↓	↓			↓	1355	↓								↓	↓	↓	↓
23715	MW 3	5	↓	↓					↓	↓	↓			↓	1322	↓								↓	↓	↓	↓

Relinquished by:	Date:	Time:	Received by:
Jesus Casas	2/24/00	0800	
	24 FEB 00	0935	Jeanne McMurry
			Received by Laboratory:

REMARKS
Mail Results: K. Dutton
RUSH
Invoice: Lennah Frost 1015m

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

LOC # 119

Project Manager: Jesse Travino
Phone #: (915) 664-9161
FAX #: (505) 392-3760

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

Project #: EOT 1041 C
Project Name: R.L. Rodgers

Project Location: Monument, NM
Sampler Signature: Jesse 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
24647	MW1	2	V	X					X		X			4-5	1335
24648	MW2	↓	↓	↓					↓		↓			↓	1320
24649	MW3	↓	↓	↓					↓		↓			↓	1305

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	RCI
X							
↓							

Relinquished by:	Date:	Time:	Received by:
Jesse Casas	4-6-00	1200	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
		16:00	Celey Keene

REMARKS
Mail Results: K. Dutton
EOTT
Invoice: Lorraine Ledez 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: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced 1deg C.
Project #: EOT 1041C
Project Name: R.L. Rodgers
Project Location: Monument, N.M.

Sampling Date: 05/03/00
Receiving Date: 05/03/00
Analysis Date: 05/04/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
25488	SS01/East Wall-17'bgs	<0.100	<0.100	<0.100	<0.100	<0.100
25489	SS02/SE Corner-17'bgs	<0.100	<0.100	<0.100	<0.100	<0.100
25490	SS03/South Wall East-17'bgs	<0.100	<0.100	<0.100	<0.100	<0.100
25491	SS04/South Wall P/L-17'bgs	<0.100	0.101	<0.100	0.108	<0.100
25492	SS05/South Wall West-17'bgs	<0.100	<0.100	<0.100	<0.100	<0.100
25493	SS06/West Wall-17'bgs	<0.100	<0.100	<0.100	0.109	<0.100
25494	SS07/North Wall West-17'bgs	<0.100	<0.100	<0.100	<0.100	<0.100
25495	SS08/North Wall East-17'bgs	<0.100	<0.100	<0.100	<0.100	<0.100
	% IA	106	102	103	112	101
	% EA	101	95	101	111	101
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Roland K. Tuttle

5-5-00
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

SampleType: Soil
Sample Condition: Intact/ Iced 1deg C.
Project #: EOT 1041C
Project Name: R.L. Rodgers
Project Location: Monument, N.M.

Sampling Date: 05/03/00
Receiving Date: 05/03/00
Analysis Date: 05/04/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
25488	SS01/East Wall-17' bgs	<10	<10
25489	SS02/SE Corner-17'bgs	<10	<10
25490	SS03/South Wall East-17'bgs	<10	<10
25491	SS04/South Wall P/L-17'bgs	<10	250
25492	SS05/South Wall West-17'bgs	<10	10
25493	SS06/West Wall-17'bgs	<10	<10
25494	SS07/North Wall West-17'bgs	<10	<10
25495	SS08/North Wall East-17'bgs	<10	<10
	% IA	100	119
	% EA	98	108
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K Tuttle

Raland K. Tuttle

5-5-00

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 [illegible] 131

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 1041C

Project Name: R.L. Rodgers

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 8021B	TPH 8015 DRO/GRO	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
25488	5501/EAST WALL - 17' bgs	1	4 oz		X						X			5-3	0810	X	X						
25489	5502/SE CORNER - 17' bgs	↓	↓		↓						↓			↓	0820	↓	↓						
25490	5503/SOUTH WALL EAST - 17' bgs	↓	↓		↓						↓			↓	0830	↓	↓						
25491	5504/SOUTH WALL PL - 17' bgs	↓	↓		↓						↓			↓	0840	↓	↓						
25492	5505/SOUTH WALL WEST - 17' bgs	↓	↓		↓						↓			↓	0850	↓	↓						
25493	5506/WEST WALL - 17' bgs	↓	↓		↓						↓			↓	[illegible]	↓	↓						
25494	5507/NORTH WALL WEST - 17' bgs	↓	↓		↓						↓			↓	0900	↓	↓						
25495	5508/NORTH WALL EAST - 17' bgs	↓	↓		↓						↓			↓	0910	↓	↓						

Relinquished by:	Date:	Time:	Received by:
[signature]	5/3/00	1430	[signature]
[signature]	5-3-00	1730	[signature]
			Received by Laboratory:

REMARKS: MAIL RESULTS K. DUTTON
1 °C
Invoice EOT 1015 [illegible]

° (RS 11/5

ANNUAL MONITORING REPORT

EOTT PIPELINE COMPANY
R. L. RODGERS
LEA COUNTY, NEW MEXICO

1R-87

RECEIVED

MAY 0 9 2001

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

PREPARED FOR:

EOTT PIPELINE COMPANY
5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79701

PREPARED BY:

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
2540 WEST MARLAND
HOBBS, NEW MEXICO 88240

April 2001

TABLE OF CONTENTS

INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of EOTT Energy Corp. (EOTT), prepared this annual report in compliance with the New Mexico Oil Conservation Division (OCD) letter of May 1998, requiring submittal of an annual report by April 1 of each year. The report presents the results of the quarterly ground water monitoring events only. For reference, the Site Location Map is provided as Figure 1.

Ground water monitoring was conducted during four quarterly events in calendar year 2000 to assess the levels and extent of dissolved phase constituents. The ground water monitoring events consisted of measuring static water levels in the monitoring wells, and purging and sampling of each well exhibiting sufficient recharge.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on February 23, May 3, August 29, and November 28, 2000. During each sampling event, the monitoring wells, designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Ground water was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Pate Trucking, Hobbs, New Mexico, utilizing a licensed disposal facility (OCD AO SWD-730).

GROUND WATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on November 28, 2000, are depicted on Figure 2, the Site Ground Water Gradient Map. The ground water elevation data are provided as Table 1. Ground water elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.005 ft/ft to the southwest as measured between ground water monitoring wells MW-1 and MW-3. The depth to ground water, as measured from the top of the well casing, ranged between 19.86 to 22.52 feet for the shallow alluvial aquifer.

LABORATORY RESULTS

Ground water samples collected during the quarterly sampling events were hand delivered to Environmental Laboratory of Texas, Midland, Texas for determination of benzene, toluene, ethyl benzene and total xylenes (BTEX) concentrations by EPA Method SW846-8021B. The ground water chemistry data are provided as Table 2 and the Laboratory Reports are provided as Appendix A.

Laboratory results for all of the site ground water samples, obtained during the calendar year 2000 monitoring period, indicated that Benzene and BTEX concentrations were below regulatory standards for all of the on-site monitoring wells.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2000. Ground water elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.005 ft/ft to the southwest as measured between ground water monitoring wells MW-1 and MW-3.

Laboratory results for all of the site ground water samples, obtained during the calendar year 2000 monitoring period, indicated that Benzene and BTEX concentrations were below regulatory standards for all of the on-site monitoring wells. Therefore, a site closure request will be submitted to the OCD in the near future.

FIGURES

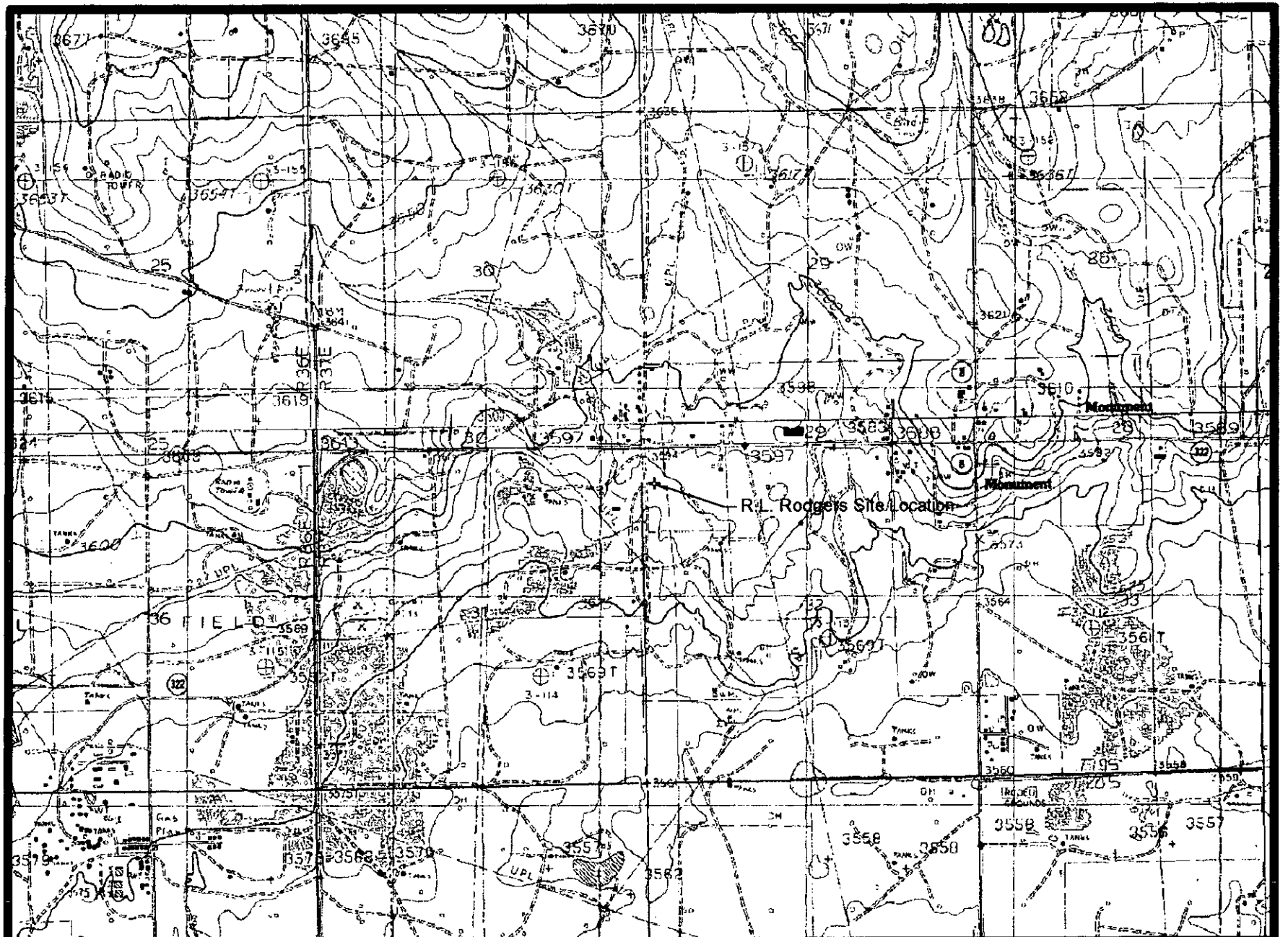
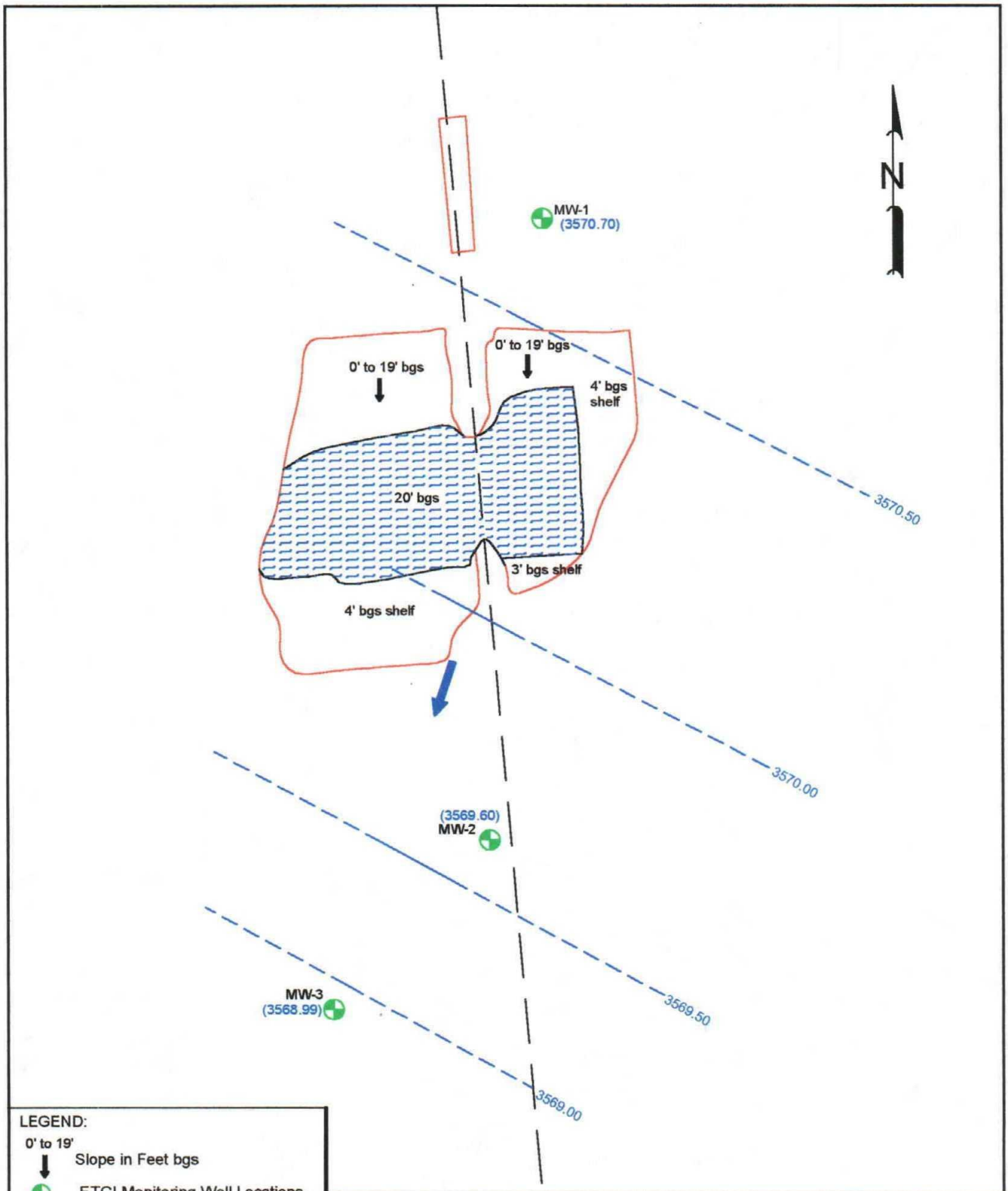


Figure 1
Site Locations Map

EOTT Energy Corp.
R.L. Rodgers
Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: JDJ	Checked By: CR
November 28, 2000	ETGI Project #: EOT2041C	



LEGEND:

- 0' to 19' — Slope in Feet bgs
- ETGI Monitoring Well Locations
- EOTT Pipeline
- Excavation Area
- Groundwater
- Ground Water Contour Lines
- (3546.09) Ground Water Elevations (in feet)

Figure 2
Site Groundwater Gradient Map (11/28/00)

EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 65'	Prep By: JDJ	Checked By: CR
November 28, 2000	ETGI Project #: EOT2041C	

TABLES

TABLE 1

GROUND WATER ELEVATION
ANNUAL REPORT

EOTT ENERGY CORPORATION
R. L. ROGERS
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2041C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/23/00	3,593.22	-	22.51	0.00	3,570.71
	05/03/00	3,593.22	-	20.03	0.00	3,573.19
	08/29/00	3,593.22	-	22.52	0.00	3,570.70
	11/28/00	3,593.22	-	22.52	0.00	3,570.70
MW - 2	02/23/00	3,591.20	-	21.55	0.00	3,569.65
	05/03/00	3,591.20	-	20.03	0.00	3,571.17
	08/29/00	3,591.20	-	21.57	0.00	3,569.63
	11/28/00	3,591.20	-	21.60	0.00	3,569.60
MW - 3	02/23/00	3,588.85	-	19.98	0.00	3,568.87
	05/03/00	3,588.85	-	21.56	0.00	3,567.29
	08/29/00	3,588.85	-	19.88	0.00	3,568.97
	11/28/00	3,588.85	-	19.86	0.00	3,568.99

TABLE 2

GROUND WATER CHEMISTRY
ANNUAL REPORT

EOTT ENERGY CORPORATION
R.L. ROGERS
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2041C

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES
MW - 1	02/23/00	<0.001	0.001	<0.001	<0.001	<0.001
	04/05/00	0.002	<0.001	0.002	0.009	0.005
	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	02/23/00	<0.001	0.001	<0.001	<0.001	<0.001
	04/05/00	0.003	0.011	0.001	0.025	0.003
	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	02/23/00	0.006	0.002	<0.001	0.002	0.002
	04/05/00	0.002	<0.001	<0.001	<0.001	<0.001
	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001

APPENDIX

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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/24/00

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
23713	MW-1	<0.001	0.001	<0.001	<0.001	<0.001
23714	MW-2	<0.001	0.001	<0.001	<0.001	<0.001
23715	MW-3	0.006	0.002	<0.001	0.002	0.002
% IA		94	89	89	90	89
% EA		95	90	90	91	90
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-28-00
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 87

Project Manager: Jesse Tavior

Phone #: (915) 664-9162

FAX #: (505) 392-3760

Company Name & Address: EOTT

P.O. Box 4845 Midland TX 79704

Project #: EOT 1041C

Project Name: R.L. Rogers

Project Location: Monument, NM

Sampler 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	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 160.1	RCI	PAH 8100 or 8270	Homologs 6010	Cations 6010	Anions 300.0
23713	MW 1	5	V-L	X					X	X	X			2/23	1425	X								X	X	X	X
23714	MW 2	5	"	"					"	"	"			"	1355	"								"	"	"	"
23715	MW 3	5	"	"					"	"	"			"	1323	"								"	"	"	"

Relinquished by:	Date:	Time:	Received by:
Herman Casas	2/24/00	0800	
Relinquished by:	Date:	Time:	Received by:
	24 FEB 00	0935	Jeanne McMurry
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

Mail Result: K. Dutton

RUSH

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

SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 04/05/00
Receiving Date: 04/06/00
Analysis Date: 4/10/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24647	MW-1	0.002	<0.001	0.002	0.009	0.005
24648	MW-2	0.003	0.011	0.001	0.025	0.003
24649	MW-3	0.002	<0.001	<0.001	<0.001	<0.001
% IA		91	90	92	95	88
% EA		94	92	94	97	90
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

4-12-00
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 # 119

Project Manager: Jesse Tovar

Phone #: (915) 664-9162

FAX #: (505) 392-3760

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

Project #: EOT 1041 C

Project Name: R.L. Rodgers

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	TIME	BTEX 8020/8260	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	RCI
	MW1	2	✓	X					X		X			4-5	1325	X							
	MW2	↓	↓	↓					↓		↓			↓	1320	↓							
	MW3	↓	↓	↓					↓		↓			↓	1305	↓							

Relinquished by:	Date:	Times:	Received by:
Simon Casas	4-6-00	1200	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

Mail Results: K. Dutton

Invoice: Lennah Frost 1015 M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 27 deg. F
Project #: EOT 2041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 08/29/00
Receiving Date: 08/30/00
Analysis Date: 09/05/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	TOTAL BTEX mg/L
30255	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30256	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30257	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		103	100	103	106	99	
% EA		104	104	106	110	102	
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-6-00
Date

Environmental Technology Group, Inc
ETGI
Environmental Consulting & Remediation Services

For Use On EOTT ENERGY CORP. Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)
COC 211

Project Manager: BETH ALDRICH

Project Name: R.L. RODGERS

Project Number: EOT 2041C

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
	MW 1	2	Y	X				X			X		8-29	1110	X											
	MW 2													1130												
	MW 3													1145												

Relinquished by: Simon Casas Date: 08/30/00 Time: 0900

Received by: Date: Time:

Relinquished by: Date: Time: 1330

Received at Lab by: Date: 08-30-00 Time: 1330

REMARKS: Rec 27°F
MAIL RESULTS: EOTT
FAX RESULTS: HOBBS OFFICE
INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-397-4701

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C
Project #: EOT 2041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 11/28/00
Receiving Date: 12/02/00
Analysis Date: 12/03/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34584	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
34585	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
34586	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
34587	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
	%IA	95	102	100	103	98
	%EA	96	102	100	104	98
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-4-00
Date

COC 283 1 of

Environmental Technology Group, Inc
Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 682-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: BETH ALDRICH

Project Name: R L ROGERS

Project Number: EOT 2041 C

Project Location: EUNICE NM

Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
	MW 1	3	✓	X				X			X		11-28	1435	X											
	MW 2													1452												
	MW 3													1505												
	EB 1	↓	↓	↓				↓			↓		↓	1520	↓											

Relinquished by: Simon Casas Date: 12-1-00 Time: 1600

Received by: Camille Reynolds Date: 12/01/00 Time: 1600

Relinquished by: Camille Reynolds Date: 12/02/00 Time: 1200

Received at Lab by: [signature] Date: 12-02-00 Time: 1200

REMARKS:
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
INVOICE: EOTT Rec. 0.5°C

ANALYSIS REQUEST
(Circle or Specify Method No.)

2000 ANNUAL GROUNDWATER MONITORING REPORT

EOTT PIPELINE COMPANY
R. L. ROGERS RELEASE SITE
LEA COUNTY, NEW MEXICO

DRAFT

PREPARED FOR:

EOTT PIPELINE COMPANY
5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79701

PREPARED BY:

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
2540 WEST MARLAND
HOBBS, NEW MEXICO 88240

February 2001

TABLE OF CONTENTS

1.0 INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of EOTT Energy Corp. (EOTT), prepared this annual report in compliance with the New Mexico Oil Conservation (NMOCD) regulations. The report presents the results of the quarterly ground water monitoring events for the calendar year 2000 only. Additional site activities and remedial work is summarized in several letters and reports previously submitted to the NMOCD. For reference, a site location map is provided as Figure 1.

Ground water monitoring was conducted during four sampling events in the four quarters of 2000 to assess the levels and extent of dissolved phase and free phase petroleum hydrocarbon constituents. The groundwater monitoring events consisted of measuring static water levels in the monitoring wells, checking for the presence of phase-separated hydrocarbons (PSH), and purging and sampling of each well exhibiting sufficient recharge. Monitoring wells containing measurable levels of PSH were not sampled.

2.0 FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on February 22nd, April 4th, August 29th and November 23rd, 2000. During each sampling event, the monitoring wells designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Purging of monitoring wells was performed to evacuate water that has been stagnant in the well and may not be representative of the aquifer. At least three well volumes were removed from the well before it is sampled.

Groundwater was allowed to recharge and then samples were obtained using disposable Teflon samplers. Monitoring wells with a measurable presence of PSH were not sampled. When numerous monitoring wells were sampled in succession, those wells expected to have low levels of contamination or no contamination were sampled prior to those wells expected to have higher levels of contamination.

VOCs samples were collected as soon as possible after purging, and not more than two hours after purging was completed. If a monitoring well was bailed or pumped dry before three well volumes were obtained, the sample was collected when a sufficient volume of water had accumulated in the well. Following collection of VOC samples, remaining water samples were collected in the following order: polynuclear aromatic hydrocarbons (PAHs); total petroleum hydrocarbons (TPH); metals; and total dissolved

solid (TDS) and water quality parameters. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at an NMOCD approved disposal facility. The groundwater analyses are found in Table 1.

3.0 GROUNDWATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient for each quarterly sampling event are depicted on Figures 2. The ground water elevation data are provided as Table 2. Groundwater elevation contours, generated from the quarterly sampling events of 2000 water level measurements, indicated a general gradient of approximately 0.005 ft/ft to the southwest. The depth to groundwater, as measured from the top of the well casing, ranged between 18 to 17.24 feet for the shallow alluvial aquifer. There was no PSH detected in any of the monitoring wells.

4.0 LABORATORY RESULTS

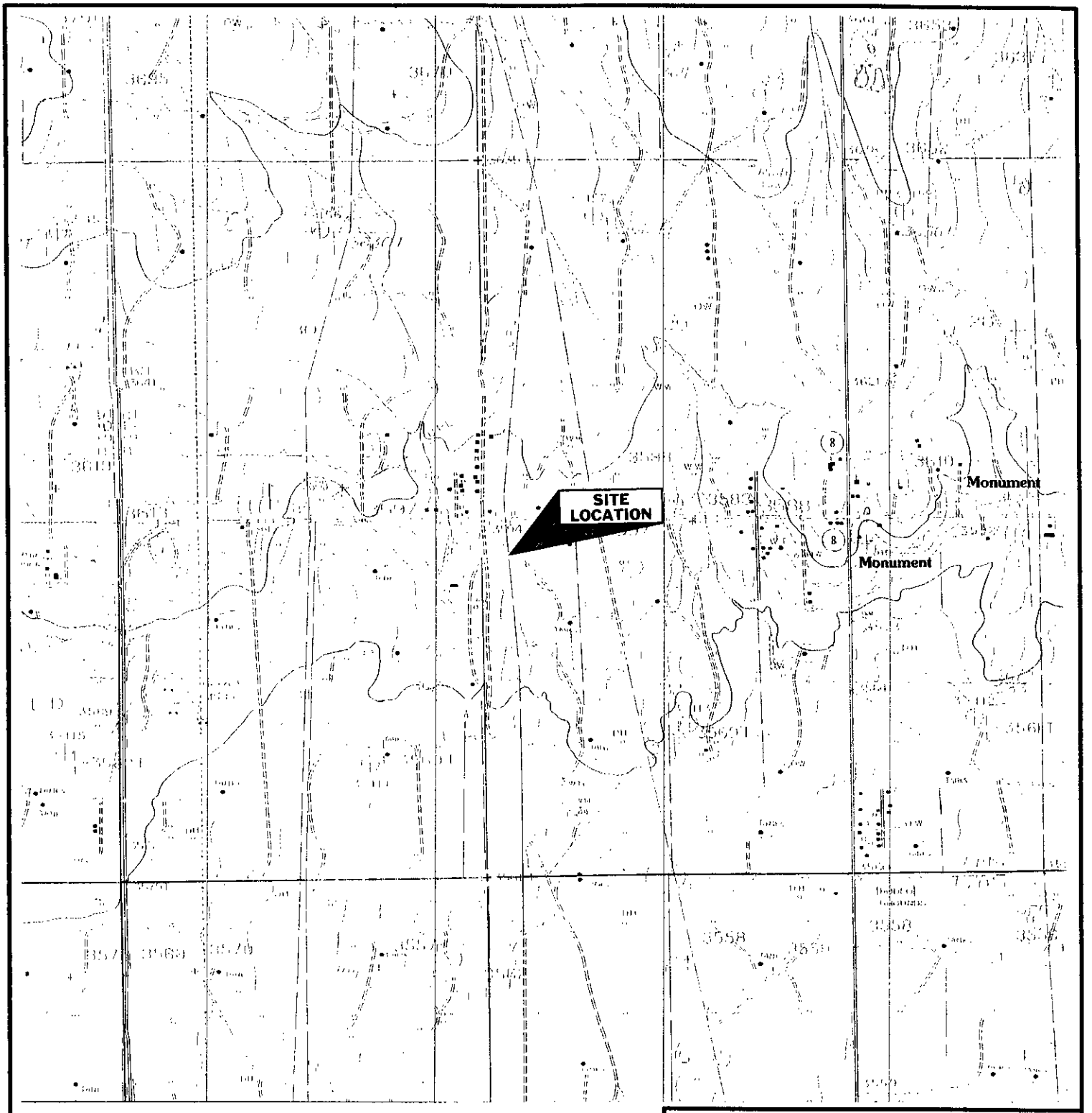
Ground water samples obtained during the quarterly sampling events were hand delivered under Chain of Custody to Environmental Laboratory of Texas, of Midland, Texas for determination of benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations by EPA Method SW846-8021B, 5030. In addition, the ground water samples collected during the first quarter sampling event were submitted for the analysis of Major Cations and Anions, Metals, Total Dissolved Solids and Poly Aromatic Hydrocarbons (PAH) using EPA Methods 375.4, 325.3, 310, 6010B, 7470,160.1 and8270C, 3510 respectively. The ground water chemistry data are provided as Table 1 and the Laboratory Reports are provided as Appendix A.

Laboratory results for all of the site ground water samples, obtained during the 2000 annual period, indicated that BTEX concentrations were below detection limits. All of the ground water samples were below the detection limit for all other analyzed constituents during the first quarter sampling event.

5.0 SUMMARY

This report presents the results of groundwater monitoring for the annual monitoring period of calendar year 2000. No PSH was detected in any of the site wells during the two monitoring events. Dissolved phase concentrations of BTEX were non-detect in all of the monitoring wells. Therefore, there appears to be no dissolved phase petroleum constituent impact to the ground water at the site.

FIGURES



NM

QUADRANGLE LOCATION
S32, T19S, R37E

MONUMENT SOUTH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

N

scale: 1" = 2000'

FIGURE 1
SITE LOCATION MAP
EOTT ENERGY CORP.
R. L. RODGERS
LEA COUNTY, NM

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

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

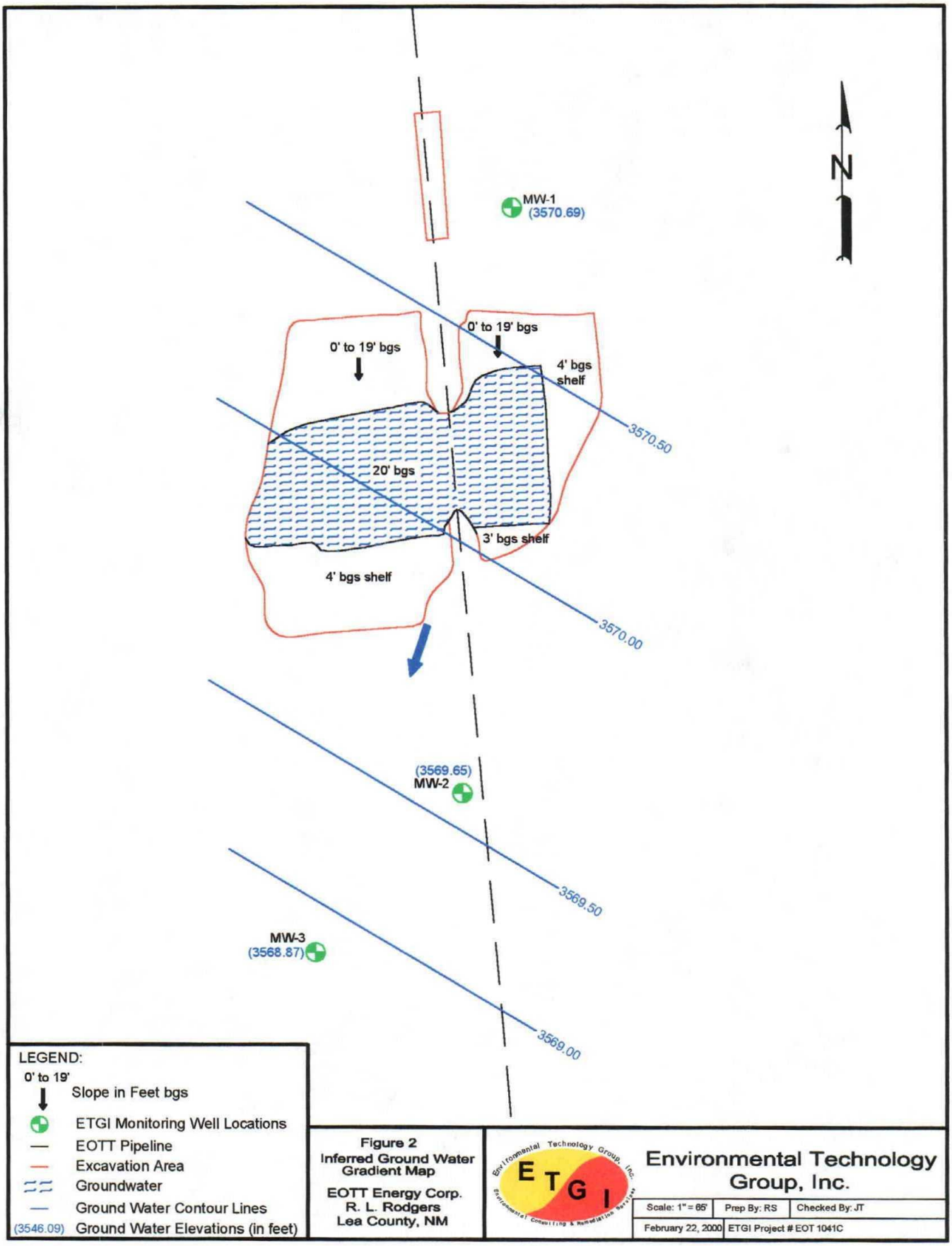


Figure 2
Inferred Ground Water Gradient Map

EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 65'	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT 1041C	

TABLES

Table 1

CONCENTRATIONS OF BTEX IN GROUNDWATER
ANNUAL REPORT
EOTT ENERGY CORPORATION
R.L. ROGERS
LEA COUNTY, NM
ETGI Project # EOT 2041C

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES
MW - 1	2/23/00	<0.001	0.001	<0.001	<0.001	<0.001
	4/5/00	0.002	<0.001	0.002	0.009	0.005
	8/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	2/23/00	<0.001	0.001	<0.001	<0.001	<0.001
	4/5/00	0.003	0.011	0.001	0.025	0.003
	8/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	2/23/00	0.006	0.002	<0.001	0.002	0.002
	4/5/00	0.002	<0.001	<0.001	<0.001	<0.001
	8/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
	1128/00	<0.001	<0.001	<0.001	<0.001	<0.001

Table 1

CONCENTRATIONS OF METALS IN GROUND WATER

EOTT ENERGY CORPORATION
R.L. ROGERS
LEA COUNTY, NEW MEXICO
EGTI Project # EOT 2041C

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	EPA SW846-6010B, 7470																							
			Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Tin	Vanadium	Zinc	Boron	Strontium
MW - 1	02/23/00	WATER	0.253	ND	0.141	ND	ND	139.0	ND	ND	ND	0.260	ND	23.90	0.049	ND	ND	ND	6.310	0.005	ND	91.70	ND	ND	ND	0.161	1.33
MW - 2	02/23/00	WATER	2.640	ND	0.244	ND	ND	248.0	0.008	ND	ND	1.680	ND	24.50	0.059	ND	ND	ND	6.920	ND	ND	117.0	ND	0.027	0.055	0.188	1.29
MW - 3	02/23/00	WATER	4.680	0.008	0.183	ND	ND	256.0	0.011	ND	ND	3.240	ND	34.50	0.112	ND	ND	ND	7.340	ND	ND	176.0	ND	0.035	0.700	0.275	1.70

CHEMICAL CONCENTRATIONS OF IN GROUNDWATER
EOTT ENERGY CORPORATION
R.L. ROGERS
MONUMENT, NEW MEXICO
ETGI Project # EOT 2041C

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 375.4, 325.3, 310, 160.1				
		SULFATE	CHLORIDE	CARBONATE	BICARBONATE	TDS
MW - 1	02/23/00	206	170	0	220	759
MW - 2	02/23/00	186	163	0	330	756
MW-3	02/23/00	230	195	0	335	975

TABLE 2

Ground Water Elevation
Annual Report
LF 59 Site
Lea County, NM
ETGI Project # EOT 2041C

NOT IR 87

Well Number	Date Measured	Casing Well Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	02/23/00	3,572.21	-	29.95	0.00	3,542.26
	04/06/00	3,572.21	-	19.81	0.00	3,552.40
	08/29/00	3,572.21	19.46	19.46	0.30	3,553.01
	11/28/00	3,593.22	-	22.52	0.00	3,570.70
MW - 2	02/23/00	3,571.46	-	22.95	0.00	3,548.51
	04/06/00	3,571.46	-	22.87	0.00	3,548.59
	08/29/00	3,571.46	-	22.06	0.00	3,549.40
	11/28/00	3,591.20	-	21.60	0.00	3,569.60
MW - 3	02/23/00	3,573.46	-	20.92	0.00	3,552.54
	04/06/00	3,573.46	-	20.85	0.00	3,552.61
	08/29/00	3,573.46	-	20.53	0.00	3,552.93
	11/28/00	3,588.85	-	19.86	0.00	3,568.99
	04/06/00	3,570.15	-	20.90	0.00	3,549.25
	08/29/00	3,570.15	20.43	20.54	0.11	3,549.70
MW - 5	02/23/00	3562.92	-	19.8	0.00	3,543.12
	04/06/00	3572.92	-	19.74	0.00	3,553.18
	08/29/00	3572.92	-	19.33	0.00	3,553.59

APPENDICES

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 1041C
Project Name: R.L. Rogers
Project Location: Monument,N.M.

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/24/00

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23713	MW-1	206	170	0	220	759
23714	MW-2	186	163	0	330	756
23715	MW-3	230	195	0	335	975
	QUALITY CONTROL	52.7	5318	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	105	106	*	*	*

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-28-00
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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.
Field Code: MW-1

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Extraction Date: 02/25/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23713	RPD	%EA	%IA
Naphthalene	0.005	ND			92
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	2.90	68	94
Fluorene	0.005	ND			98
Phenanthrene	0.005	ND			102
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			94
Pyrene	0.005	ND	1.50	66	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			94
Benzo[k]fluoranthene	0.005	ND			100
Benzo [a]pyrene	0.005	ND			100
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			100

	% RECOVERY
Nitrobenzene-d5 SURR	76
2-Fluorobiphenyl SURR	86
Terphenyl-d14 SURR	81

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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.
Field Code: MW-2

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Extraction Date: 02/25/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23714	RPD	%EA	%IA
Naphthalene	0.005	ND			92
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	2.90	68	94
Fluorene	0.005	ND			98
Phenanthrene	0.005	ND			102
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			94
Pyrene	0.005	ND	1.50	66	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			94
Benzo[k]fluoranthene	0.005	ND			100
Benzo [a]pyrene	0.005	ND			100
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			100

	% RECOVERY
Nitrobenzene-d5 SURR	78
2-Fluorobiphenyl SURR	84
Terphenyl-d14 SURR	91

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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.
Field Code: MW-3

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Extraction Date: 02/25/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23715	RPD	%EA	%IA
Naphthalene	0.005	ND			92
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	2.90	68	94
Fluorene	0.005	ND			98
Phenanthrene	0.005	ND			102
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			94
Pyrene	0.005	ND	1.50	66	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			94
Benzo[k]fluoranthene	0.005	ND			100
Benzo [a]pyrene	0.005	ND			100
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			100

	% RECOVERY
Nitrobenzene-d5 SURR	76
2-Fluorobiphenyl SURR	82
Terphenyl-d14 SURR	84

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/HCl
Project #: EOT 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/24/00

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
23713	MW-1	<0.001	0.001	<0.001	<0.001	<0.001
23714	MW-2	<0.001	0.001	<0.001	<0.001	<0.001
23715	MW-3	0.006	0.002	<0.001	0.002	0.002
% IA		94	89	89	90	89
% EA		95	90	90	91	90
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-28-00
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 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sample Date: 02/23/00
Receiving Date: 02/24/00
Analysis Date: 02/26/00

Analyte (mg/L)	MW-1 23713	MW-2 23714	MW-3 23715	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	0.2530	2.640	4.680	0.0500	104	111	<0.0500	1.22
Arsenic	ND	ND	0.0080	0.0500	104	110	<0.0050	3.70
Barium	0.1410	0.2440	0.1830	0.0100	102	101	<0.0100	2.82
Beryllium	ND	ND	ND	0.0040	96	96	<0.0040	2.11
Cadmium	ND	ND	ND	0.0010	94	94	<0.0010	2.15
Calcium	139.0	248.0	256.0	1.000	96	*	<1.000	0.69
Chromium	ND	0.0080	0.0110	0.0050	94	92	<0.0050	2.19
Cobalt	ND	ND	ND	0.0200	95	94	<0.0200	2.60
Copper	ND	ND	ND	0.0100	93	97	<0.0100	3.36
Iron	0.2600	1.680	3.240	0.0500	99	98	<0.0500	0.81
Lead	ND	ND	ND	0.0030	94	94	<0.0030	2.15
Magnesium	23.90	24.50	34.50	1.000	99	*	<1.000	0.41
Manganese	0.0490	0.0590	0.1120	0.0150	94	93	<0.0150	2.56
Mercury	ND	ND	ND	0.00020	95	106	<0.00020	0.94
Molybdenum	ND	ND	ND	0.050	94	96	<0.050	2.32
Nickel	ND	ND	ND	0.0100	95	92	<0.0100	2.63
Potassium	6.310	6.920	7.340	1.000	85	*	<1.000	0.77
Selenium	0.0050	ND	ND	0.0050	108	108	<0.0050	1.71
Silver	ND	ND	ND	0.00500	94	92	<0.0050	0.00
Sodium	91.70	117.0	176.0	1.000	112	*	<1.000	0.42
Tin	ND	ND	ND	0.0500	104	103	<0.0500	1.96
Vanadium	ND	0.0270	0.0350	0.0200	94	96	<0.0200	2.52
Zinc	ND	0.0550	0.0700	0.0200	97	99	<0.0200	3.29
Boron	0.161	0.188	0.275	0.050	103	107	<0.050	1.64
Strontium	1.33	1.29	1.70	0.050	97	91	<0.050	2.26

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

Raland K. Tuttle

Raland K. Tuttle

2-29-00
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 87

Project Manager: Jesse Tavior

Phone #: (915) 664-9162

FAX #: (505) 392-3260

Company Name & Address: ETGE

P.O. Box 4067 Midland TX 79704

Project #: EOT/041C

Project Name: R.L. Rogers

Project Location: Monument, NM

Sampler 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	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	TOS 1601	RCI	PAH 8100 or 8270	Hold/Mineral 6010	Anions 6010	Anions 300.0
23713	MW 1	5	V/L	X					X	X	X			2/23	1425	X								X	X	X	X
23714	MW 2	5													1355												
23715	MW 3	5													1327												

Relinquished by:	Date:	Time:	Received by:
Armando Casas	2/24/00	0800	
	24 FEB 00	0935	Jeanne McMurry
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

Mail Result: K. Dutton

RUSH

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

SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 04/05/00
Receiving Date: 04/06/00
Analysis Date: 4/10/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24647	MW-1	0.002	<0.001	0.002	0.009	0.005
24648	MW-2	0.003	0.011	0.001	0.025	0.003
24649	MW-3	0.002	<0.001	<0.001	<0.001	<0.001
% IA		91	90	92	95	88
% EA		94	92	94	97	90
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

4-12-00
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 # 119

Project Manager: Jesse Tovar | Phone #: (915) 664-9162 | FAX #: (505) 392-3760

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

Project #: EOT 1041 C | Project Name: R.L. Rodgers

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	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	RCI
24647	MW1	2	V	X					X		X			4-5	1335	X							
24648	MW2														1320								
24649	MW3														1305								

Relinquished by:	Date:	Time:	Received by:
Simon Casas	4-6-00	1200	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time: 16:00	Received by Laboratory: Cely Keene

REMARKS
Mail Results: K. Dutton

EOTT

Invoice: Lennah Frost 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 27 deg. F
Project #: EOT 2041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 08/29/00
Receiving Date: 08/30/00
Analysis Date: 09/05/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	TOTAL BTEX mg/L
30255	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30256	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30257	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		103	100	103	106	99	
% EA		104	104	106	110	102	
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-6-00
Date

Environmental Technology Group, Inc.
Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)
COC 211

Project Manager: BETH ALDRICH

Project Name: R.L. RODGERS

Project Number: EOT 20411C

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/~~8260~~	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
30255	MW 1	2	Y	X				X			X		8-29	1110	X											
30256	MW 2	↓	↓	↓				↓			↓		↓	1130	↓											
30257	MW 3	↓	↓	↓				↓			↓		↓	1145	↓											

Relinquished by: Simon Casas Date: 08/30/00 Time: 0900

Received by: Date: Time:

Relinquished by: Date: Time: 8-30-00 1130

Received at Lab by: Date: Time: 08.30.00 1330

REMARKS: Rec 27°F
MAIL RESULTS: EOTT
FAX RESULTS: HOBBS OFFICE
INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-397-4701

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C
Project #: EOT 2041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 11/28/00
Receiving Date: 12/02/00
Analysis Date: 12/03/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34584	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
34585	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
34586	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
34587	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		95	102	100	103	98
%EA		96	102	100	104	98
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-4-00
Date

COC 283 Page of

Environmental Technology Group, Inc

For Use On **EOTT ENERGY CORP.** Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 682-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: BETH ALDRICH

Project Name: R.L. ROGERS

Project Number: EOT 2641 C

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
34584	MW 1	2	✓	X				X			X		11-29	1435	X											
34585	MW 2													1452												
34586	MW 3													1505												
34587	EB 1	↓	↓	↓				↓			↓		↓	1520	↓											

Relinquished by: Simon Casas Date: 12-1-00 Time: 1600

Received by: Camille Reynolds Date: 12/01/00 Time: 1600

Relinquished by: Camille Reynolds Date: 12/01/00 Time: 1200

Received at Lab by: [illegible] Date: 12-02-00 Time: 1200

REMARKS:
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
INVOICE: EOTT Rec. 0.5°C

DRAFT

ADDITIONAL SUBSURFACE INVESTIGATION REPORT (PURSUANT TO STAGE 1 ABATEMENT PLAN)

COPY

EOTT ENERGY CORP
R. L. ROGERS RELEASE SITE
LEA COUNTY, NEW MEXICO

RECEIVED
MAR 12 2001
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

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

Environmental Technology Group, Inc. Project No. EOT2041C

Prepared By:
Environmental Technology Group, Inc.
2540 West Marland Boulevard
Hobbs, New Mexico 88240

February 2001

A Report Prepared for:

EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Additional Subsurface Investigation Report

(Pursuant to Stage 1 Abatement Plan)

Environmental Technology Group, Inc. Project No. EOT2041C

Prepared by:

Beth Aldrich
Sr. Project Manager/ Staff Geologist

Jerry Nickell
Managing Principal

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

February 2001

TABLE OF CONTENTS

1.0 INTRODUCTION AND SITE BACKGROUND

The site is located approximately two miles west of the town of Monument, New Mexico, in the NE ¼, NW ¼, 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 approximately 800 feet to the north. Generally, the surface consists of unconsolidated sand covered by sparse grasses and mesquite trees. There are no structures or facilities at the site and the only site features are the excavation and monitoring wells as depicted on Figure 2, the Site Map. The excavation is partially filled with water, the surface elevation of which corresponds to the elevation of ground water in the adjacent monitoring wells.

The excavation, made in order to facilitate soil remediation, was completed under the direct supervision of EOTT Energy Corp. (EOTT). Any questions regarding this feature should be directed to Mr. Wayne Brunette of EOTT. At the request of EOTT, Environmental Technology Group, Inc. (ETGI) completed three borings as monitoring wells around the existing excavation and collected confirmation side wall samples.

Further side wall sampling was conducted in the excavation prior to its backfilling. An additional soil boring was advanced adjacent to the pipeline after the backfilling of the excavation was completed. These items are discussed below.

2.0 RECENT FIELD ACTIVITIES

On June 19, 2000, additional sampling was performed on the south wall of the excavated area at a depth of approximately 20 feet below ground surface (bgs). Three grab samples were taken from the sidewalls in the excavated area beneath the pipeline. The location of the sampling sites is provided in Figure 2, Sampling Location Map. The samples were submitted for laboratory analysis and analyzed for benzene, toluene, ethyl benzene and xylenes (BTEX) EPA Method 8021B, 5030. These results are found in Table 1.

The materials that were excavated and stockpiled northeast of the excavated area were also sampled. The location of the stockpile area is provided in Figure 2, Sampling Location Map. Four representative samples were taken of the stockpile area and submitted for laboratory analysis. These samples were also analyzed for BTEX using the same method. These results are also found in Table 1.

The excavation was backfilled under the direction of Mr. Wayne Brunette. After completion of the backfilling, ETGI mobilized a rotary drilling rig on September 22, 2000 to conduct advancement of a soil boring (SB-1) on the west side of the pipeline, near the previously sampled points. The soil boring location is found on Figure 3, Additional Soil Boring Site Map. The soil boring was sampled at five foot intervals utilizing a split soon sampler where applicable. The soil boring log is provided in Appendix A.

Each soil sample was field screened with a photoionization detector (PID). All samples demonstrating PID readings in excess of 100 ppm for Volatile Organic Compounds (VOCs) were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW 846 Methods 8021B. No field screening result was in excess of 100 ppm, therefore no laboratory analyses for BTEX were conducted. All soil samples selected for laboratory analysis were subjected to total petroleum hydrocarbon (TPH) analysis using EPA Method 8015M GRO/DRO. For reference, the soil laboratory analytical results are posted on Table 2. All laboratory reports are provided as Appendix B.

3.0 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 Triassic Dockum Formation, commonly referred to as the "red beds", underlies the Ogallala. 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 that 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 18 feet bgs (21 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.

The concentration of total dissolved solids (TDS) ranged from 759 to 975 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 remediation.

4.0 RESULTS

4.1 NEW MEXICO OIL CONSERVATION (OCD) SOIL CLASSIFICATION

During the additional site investigation, Highly Contaminated/Saturated Soils, as described by the Oil Conservation Division (OCD) Guidelines (OCD, 1993), were not detected in the sidewall samples from the excavation, in the samples from the stockpile area or in SB-1.

The depth to ground water, as measured from the surface, ranges from 17 to 19.5 feet bgs, which corresponds to 20 to 22.5 as measured from the extended casing top. A water supply well is located approximately 800 feet to the northeast. There are no surface water bodies within 200 feet of the site. These conditions result in an OCD Ranking Score of greater than 19 points. The OCD 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

Slightly elevated levels of BTEX and TPH above the OCD regulatory limits were observed in the soils from the sidewall samples. Slightly elevated levels of BTEX and TPH were also observed in the soils from areas A and D of the stockpile area. Further landfarming of the stockpile area was to be conducted before backfilling was begun.

No evidence of petroleum impact was observed in the soil boring (SB-1) location. The soil boring was advanced to through the water table to the "red bed". The concentrations of TPH from these samples are below the detection limit, which in turn, is below the OCD regulatory limit. The method detection limit for TPH, used for all soil boring soil samples, is below the OCD regulatory limit.

4.3 DISTRIBUTION OF HYDROCARBONS IN GROUND WATER

The groundwater was not addressed in this investigation.

5.0 SUMMARY AND CONCLUSIONS

The soils sampled in the sidewalls of the excavation beneath the pipeline exhibited slightly elevated levels of BTEX and TPH above the OCD regulatory limits. Further excavation was necessary beneath the pipeline before backfilling was begun. Slightly elevated levels of BTEX and TPH were also observed in the soils from areas A and D of the stockpile area. Further landfarming of the soils in the stockpile area was necessary

before backfilling was begun. The backfilling of the excavation was under the direction of Mr. Wayne Brunette.

On completion of the backfilling of the excavation, a soil boring was advanced on the west side of the pipeline, near the previous sampling points on the sidewalls of the excavation. No evidence of petroleum impact (as defined above) was observed in the soil boring (SB-1) in any sample to total depth, approximately 30 feet bgs.

6.0 SCHEDULE OF ACTIVITIES

The excavation has been backfilled and the site restored to its natural contour. The recommended quarterly sampling events were completed for the year 2000. The laboratory results for the quarterly monitoring well sampling events indicate no groundwater contamination above the New Mexico Water Quality Control Commission (NMWQCC) standards. This information will be provided under separate cover in a Annual Groundwater Monitoring Report.

This annual report will be submitted prior to April 1, 2001. If the contaminates of concern concentrations in the groundwater have remained below OCD regulatory standards, this report will also constitute the summary report and a request for closure will be made at that time.

7.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROCEDURES

7.1 Soil Sampling

Samples of subsurface soils were obtained utilizing either a split spoon sampler or a grab sample (air rotary drilling rig). 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 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

7.2 Ground Water Sampling

Groundwater was not addressed in this investigation, therefore QA/QC protocol are not applicable.

7.3 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.

7.4 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.

8.0 LIMITATIONS

Environmental Technology Group, Inc. has prepared this Additional Site 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 oral statements made by certain individuals. 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

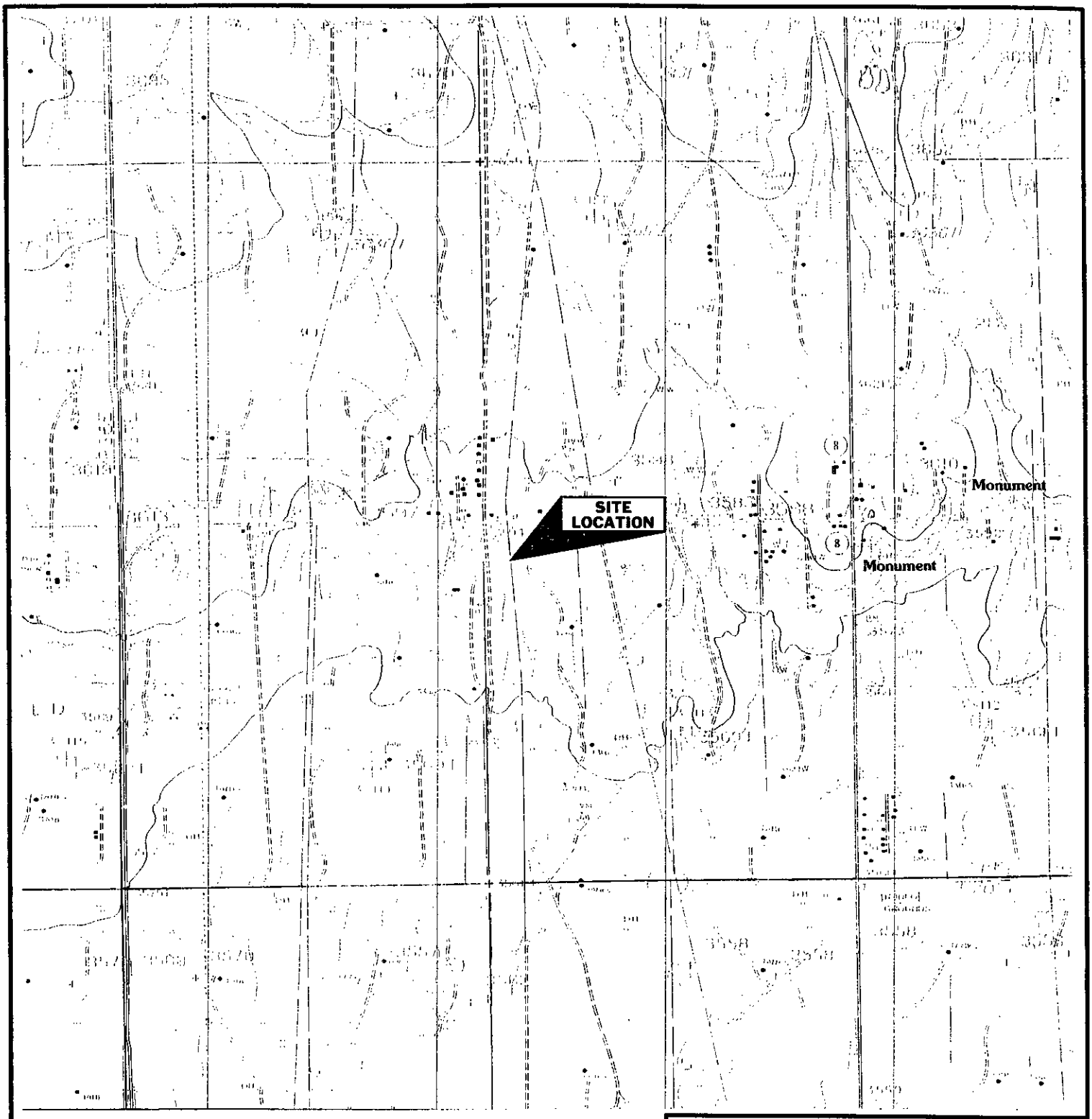
Copies 1 and 2 to: EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Copy 3 to: Environmental Technology Group, Inc.
4600 West Wall Street
Midland, Texas 79703

Copy 4 to: Environmental Technology Group, Inc.
2540 West Marland
Hobbs, New Mexico 88240

COPY NO.:_____

FIGURES



NM

QUADRANGLE LOCATION
S32, T19S, R37E

MONUMENT SOUTH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

N

scale: 1" = 2000'

FIGURE 1
SITE LOCATION MAP
EOTT ENERGY CORP.
R. L. RODGERS
LEA COUNTY, NM

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

Environmental Technology Group, Inc.
E T
Environmental Consulting & Remediation Services

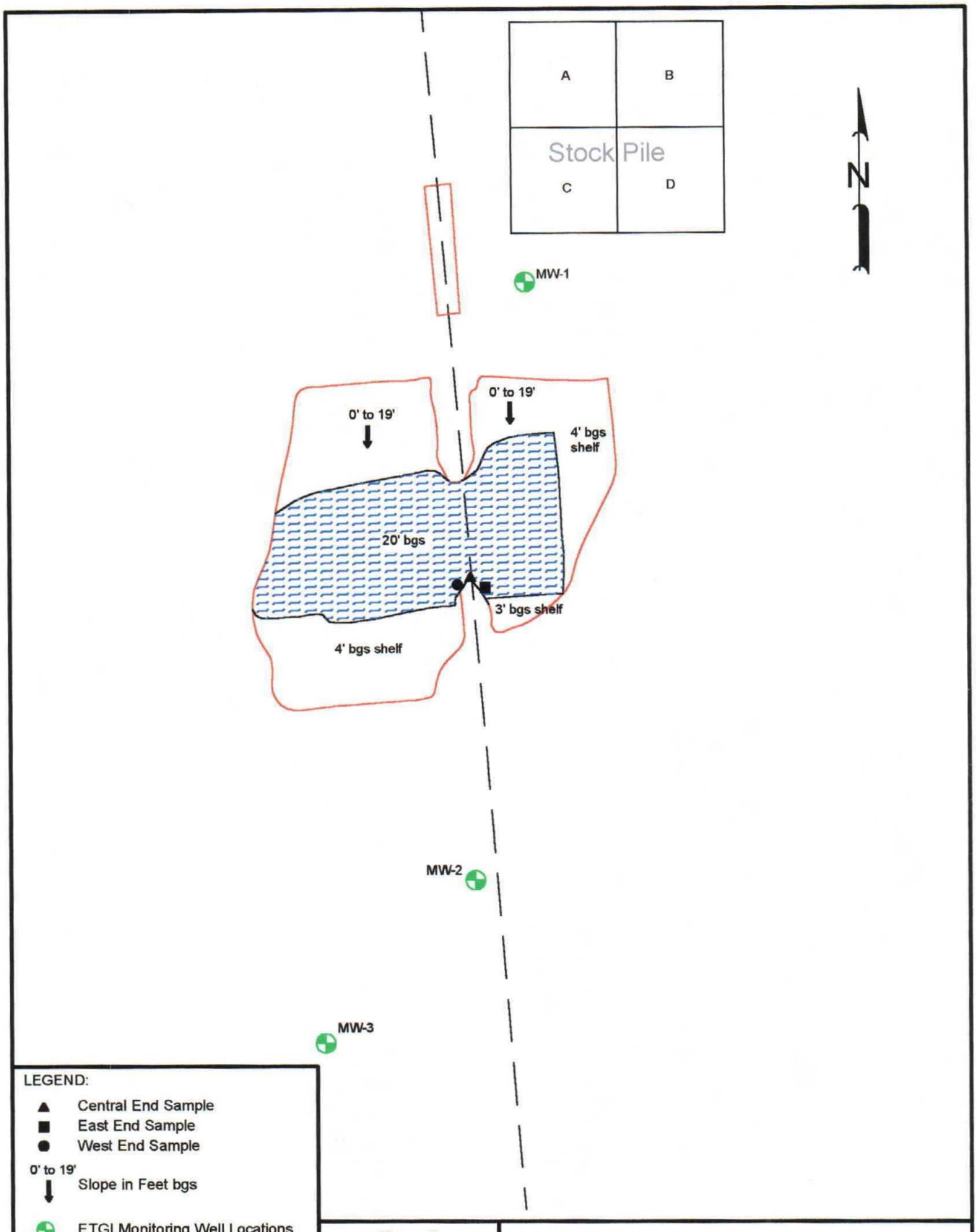
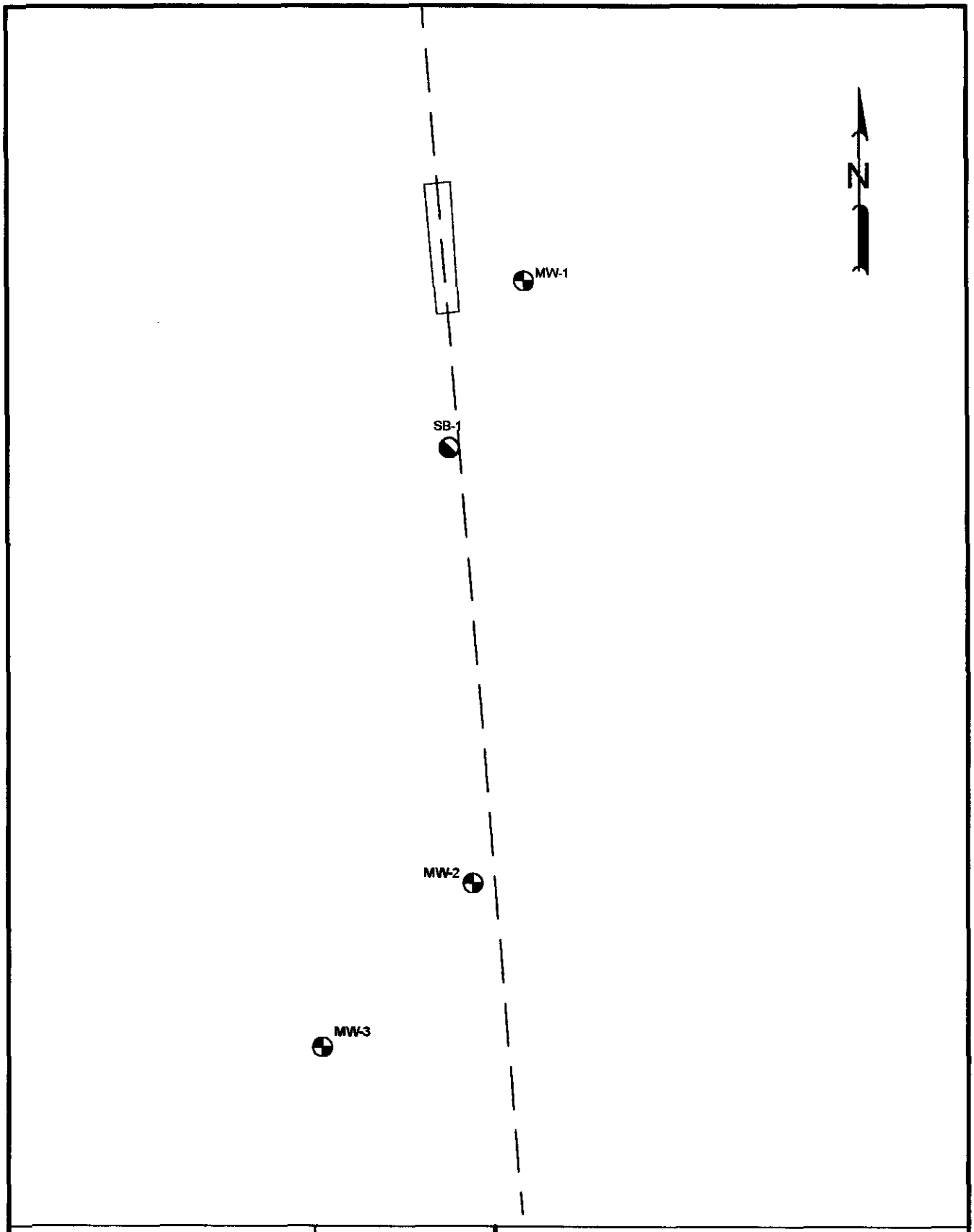


Figure 2
Sampling Location Map

EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 65'	Prep By: RS	Checked By: JT
June 19, 2000	ETGI Project # EOT 1041C	



LEGEND:

- ETGI Monitoring Well Locations
- ETGI Soil Boring Location
- EOTT Pipeline

Figure 3
Site Map
Additional Soil Borings
EOTT Energy Corp.
R. L. Rodgers
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 65'	Prep By: RS	Checked By: JT
September 22, 2000	ETGI Project # EOT 1041C	

TABLES

TABLE 1

SUMMARY OF SOIL CHEMISTRY
R.L. ROGERS RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT #EOT2041C

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 8746-8021B, 5030				
		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)
Stockpile Area A	6/19/00	<0.100	0.125	<0.100	0.205	0.151
Stockpile Area B	6/19/00	<0.100	<0.100	<0.100	<0.100	<0.100
Stockpile Area C	6/19/00	<0.100	<0.100	<0.100	<0.100	<0.100
Stockpile Area D	6/19/00	<0.100	0.219	<0.100	0.141	<0.100
SE Bottom East End	6/19/00	<0.100	0.786	0.325	2.10	0.980
SE Bottom Central	6/19/00	<0.100	0.64	0.185	0.875	0.306
SE Bottom West End	6/19/00	<0.100	0.205	0.160	1.53	0.790

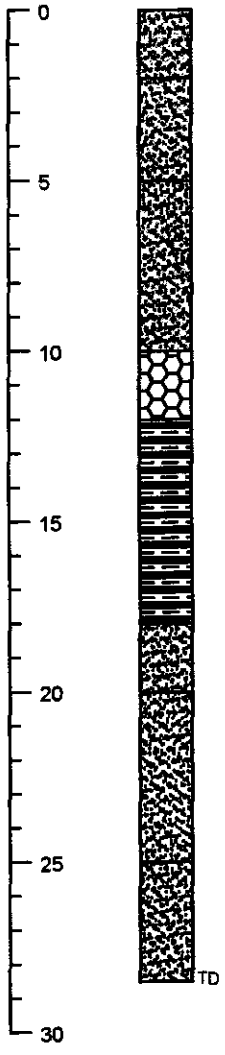
TABLE 2

SUMMARY OF SOIL CHEMISTRY
R.L. ROGERS RELEASE SITE
LEA COUNTY, NM
ETGI PROJECT #EOT2041C

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8015M GRO/DRO	
		GRO (mg/kg)	DRO (mg/kg)
Soil Boring 1 - 0'-2'	9/22/00	<10	58.00
Soil Boring 1 - 3'-5'	9/22/00	<10	19.00
Soil Boring 1 - 8'-10'	9/22/00	<10	<10
Soil Boring 1 - 13'-15'	9/22/00	<10	<10
Soil Boring 1 - 18'-20'	9/22/00	<10	<10
Soil Boring 1 - 23'-25'	9/22/00	<10	<10
Soil Boring 1 - 28'-30'	9/22/00	<10	<10

APPENDICES

Soil Boring SB-1



Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0	0.4	None	None	Sand - (SM) - Dark Brown, very fine grained, well sorted with caliche nodules.
	0.8	None	None	Sand - (SM) - Dark Brown, very fine grained, well sorted with caliche nodules.
5	1.2	None	None	Sand - (SM) - Dark Brown, very fine grained, well sorted with caliche nodules.
10				*Caliche layer*
	0.9	None	None	Clay
15				
	1.0	None	None	*Sand - (SP) - Tan, very fine grained, well sorted.*
20				
	1.2	None	None	Sand - (SP) - Red - Brown, very fine grained, well sorted, with clay nodules.
25				
TD	1.1	None	None	*Red bed*
30				

Legend

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

Soil Boring Details

Date Drilled 09 / 22 / 00

Backfilled with soil

Soil Boring Log Details

Soil Boring SB-1

EOTT Energy Corp. R. L. Rodgers Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: KD
October 29, 2000	ETGI Project # EOT 2041C	

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 33 deg. F
Project #: EOT 2041C
Project Name: R.L. Rodgers
Project Location: None Given

Sampling Date: 06/19/00
Receiving Date: 06/20/00
Analysis Date: 06/20/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
27018	Stockpile Area A (g)	0.110	0.125	<0.100	0.205	0.151
27019	Stockpile Area B (g)	<0.100	<0.100	<0.100	<0.100	<0.100
27020	Stockpile Area C (g)	<0.100	<0.100	<0.100	<0.100	<0.100
27021	Stockpile Area D (g)	<0.100	0.219	<0.100	0.141	<0.100
27022	SE Bottom East End (g)	<0.100	0.786	0.327	2.10	0.980
27023	SE Bottom Central (g)	<0.100	0.640	0.185	0.875	0.306
27024	SE Bottom West End (g)	<0.100	0.205	0.160	1.53	0.790
	% IA	91	87	86	94	87
	% EA	88	85	86	91	86
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

6-21-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
2540 W. MARLAND
HOBBS,N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 33 deg. F
Project #: EOT 2041C
Project Name: R.L. Rogers
Project Location: None Given

Sampling Date: 06/19/00
Receiving Date: 06/20/00
Analysis Date: 06/20/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
27018	Stockpile Area A (g)	<10	127
27019	Stockpile area B (g)	<10	118
27020	Stockpile Area C (g)	<10	233
27021	Stockpile Area D (g)	<10	282
27022	SE Bottom East End (g)	72	469
27023	SE Bottom Central (g)	<10	<10
27024	SE Bottom West End (g)	<10	22
	% IA	89	102
	% EA	87	127
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

6-21-00
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 # 164

1 of 1

Project Manager: Beth Aldrich

Phone #: (505) 397-4882

FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT2041C

Project Name: R.L. Rodgers

Project Location:

Sampler Signature: Beth Aldrich

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 8020/5030	TPH ~~418.1~~ [illegible]	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
27018	Stockpile Area A (g)	1	4oz		X						X			6/19/00	1240	X	X						
27019	Stockpile Area B (g)														1255	X	X						
27020	Stockpile Area C (g)														1310	X	X						
27021	Stockpile Area D (g)														1345	X	X						
27022	SE Bottom East End (g)														1315	X	X						
27023	SE Bottom Central (g)														1320	X	X						
27024	SE Bottom West End (g)														1325	X	X						

Relinquished by:	Date:	Time:	Received by:
Beth Aldrich	6/19/00	3:30pm	
Relinquished by:	6/20/00	0850	Roland K Juul
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: 24 HR. Turnaround! 33°F
Any questions contact K.D.
INVOICE EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 797004
FAX: 915-520-4310
FAX: 505-397-4701

SampleType: Soil
Sample Condition: Intact/ Iced
Project #: 2041C
Project Name: R.L. Rogers
Project Location: Monument, N.M.

Sampling Date: 09/22/00
Receiving Date: 10/03/00
Analysis Date: 10/03/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
31636	SB-1 0-2	<10	58
31637	SB-1 3-5	<10	19
31638	SB-1 8-10	<10	<10
31639	SB-1 13-15	<10	<10
31640	SB-1 18-20	<10	<10
31641	SB-1 23-25	<10	<10
31642	SB-1 28 30	<10	<10
	% IA	78	98
	% EA	89	92
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

10-6-00
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

COC # 241

Project Manager: Beth Aldrich
Phone #: 397 - 4588
FAX #: 397 - 4701

ANALYSIS REQUEST

1 of 1

Company Name & Address: ETGI 2540 W. Marland, Hobbs, NM

Project #: 2041C
Project Name: R.L. Rodgers

Project Location: Monument, NM
Sampler Signature: Camille Reynolds

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 8021/5030	TPH 8015 Dro/Gro	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
31636	SB-1 0-2	1	4oz		X						X			9-22	0900		X						
31637	SB-1 3-5														0905								
31638	SB-1 8-10														0917								
31639	SB-1 13-15														0926								
31640	SB-1 18-20														0931								
31641	SB-1 23-25														0952								
31642	SB-1 28-30														1004								

Relinquished by:	Date:	Time:	Received by:	REMARKS
Camille Reynolds	10/2/00	1030	Ken Dutton	FR: HOBBS OFFICE (505) 397-4701
Relinquished by: Ken Dutton	Date: 10/2/00	Time: 0701	Received by:	
Relinquished by:	Date:	Time:	Received by Laboratory:	

Feb 28 01 08:58a

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