

CORRESPONDENCE

MISC.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Carol S. Leach

Acting Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

January 24, 2002

CERTIFIED MAIL

RETURN RECEIPT NO. 3929-3930

Mr. Wayne Brunette
EOTT Energy Pipeline Partnership
PO Box 1660
Midland, TX 79702

RE: CASE #1R0087 R.L. ROGERS LEAK SITE

Dear Mr. Brunette:

The New Mexico Oil Conservation Division (OCD) has reviewed the following EOTT Energy Pipeline Limited Partnership documents, which were submitted to the OCD by EOTT's consultant Environmental Technology Group, Inc (ETGI.)

- November 21, 2001 correspondence RE R.L. Rogers Release Site
- April 2001 "ANNUAL MONITORING REPORT, EOTT PIPELINE COMPANY, R.L. ROGERS, LEA COUNTY, NEW MEXICO."
- February 2001 "2000 ANNUAL GROUNDWATER MONITORING REPORT, EOTT PIPELINE COMPANY, R.L. ROGERS RELEASE SITE, LEA COUNTY NEW MEXICO."

These documents contain the results of ETGI's ground water monitoring activities following discovery of free phase hydrocarbons on groundwater in November 1999. The document requests closure of the site since ground water has been found in compliance with New Mexico Water Quality Control Commission (WQCC) standards as demonstrated in six consecutive sampling events. The November 12, 2001 document also proposes to plug and abandon the site ground water monitoring wells.

The closure for this site is approved on the condition that the monitor wells be maintained for use as down-gradient control monitoring sites for the Bob Durham project.

Please be advised that OCD approval does not relieve EOTT of responsibility if remaining contaminants are found to pose a future threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve EOTT of responsibility for compliance with any other federal, state, tribal or local laws and regulations. If you have any questions, please email me or call me at (505) 476-3493.

Sincerely,

Randolph Bayliss

Randolph Bayliss, P.E.
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Ann Moore, ETGI; Jimmie B. Cooper

Oil Conservation Division * 1220 South
Phone: (505) 476-3440 * Fax (505)

SENDER: COMPLETE THIS SECTION	
<input type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.	
1. Article Addressed to: <i>Wayne Brunette EOTT PO Box 1660 Midland TX 79702</i>	
2. Article Number: (Transfer from service label) <i>7001 1940 0004 3929 3930</i>	
PS Form 3811, August 2001 Domestic Return Receipt	
COMPLETE THIS SECTION ON DELIVERY	
A. Signature <i>Jimmie B. Cooper</i>	B. Received by (Printed Name) <i>Jimmie B. Cooper</i>
C. Date of Delivery <i>1/24/02</i>	D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Registered <input type="checkbox"/> Insured Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No	

102595-01-M-2509



November 12, 2001

Mr. Bill Olson
New Mexico Oil Conservation Division
Environmental Bureau
2040 South Pacheco
Santa Fe, NM 87505

RE: R.L. Rogers Release Site


Mr. Olson:

On behalf of EOTT Energy Pipeline, Environmental Technology Group, Inc. (ETGI) submits the following request for site closure at the R.L. Rogers Release Site in the NE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 32, Township 19 South, Range 37 East, in Lea County, New Mexico. As per the Subsurface Investigation Report dated February 2001, the excavation has been backfilled and the site restored to as near original topography as practicable. ETGI has completed the five quarterly ground water sampling events of three site monitor wells. Also, an additional monitor well (MW-4) was installed directly downgradient of the source area and sampled on September 5, 2001, as per New Mexico Oil Conservation Division (NMOCD) correspondence dated July 20, 2001. The analytical data from these monitor wells are all below New Mexico Water Quality Control Commission (NMWQCC) standards for the monitored contaminants of concern (COC).

Please find attached Table 1, a groundwater analytical table with results from five groundwater sampling events, and a laboratory report from the groundwater sampling event on September 5, 2001 which includes data from MW-4. As indicated by the results, no COC was above the NMWQCC limits. Also attached are two figures indicating the location of MW-4 in relation to the other monitor wells at the site.

ETGI is requesting that this site be reconsidered for closure, plugging and abandoning the site monitor wells, and reseeded of the affected areas at the site. A closure report will be submitted following completion of these activities.

Sincerely,


Michael J. Henry
Environmental Scientist

Encl: **TABLE 1 (GROUNDWATER CHEMISTRY)**
SEPTEMBER 5, 2001 LABORATORY REPORT
FIGURE 1 (SITE MAP)
FIGURE 2 (SITE GROUNDWATER GRADIENT MAP)

TABLE 1

GROUNDWATER CHEMISTRY

EOTT ENERGY PIPELINE, LP
 R.L. ROGERS
 LEA COUNTY, NM
 ETGI Project # EOT2041C

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES	TOTAL BTEX
MW-1	09/05/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/27/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	0.002	<0.001	0.002	0.009	0.005	0.018
MW-2	09/05/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/27/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	0.003	0.011	0.001	0.025	0.003	0.043
MW-3	09/05/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/27/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	0.002	<0.001	<0.001	<0.001	<0.001	0.002
MW-4	09/05/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
EB-1	09/05/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

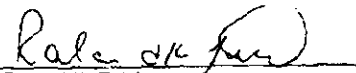
Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 1.0 deg C
Project Name: R.L. Rodgers
Project #: EOT 2041C
Project Location: Monument, NM

Sampling Date: 09/05/01
Receiving Date: 09/13/01
Analysis Date: 09/13/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
0101561-01	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
0101561-01	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
0101561-01	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
0101561-01	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001
0101561-01	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001

QUALITY CONTROL	0.113	0.111	0.107	0.220	0.102
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	113	111	107	110	102
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	0.030	0.010	0.001	0.002	0.008
SPIKE	0.138	0.113	0.103	0.210	0.108
SPIKE DUP	0.131	0.109	0.099	0.203	0.103
%EA	108	103	103	104	100
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001
RPD	7	4	4	4	5

METHODS: EPA SW 846-8021B, 5030


Raiaud K. Tuttle

9-14-01
Date

P. 4

COC: 127

12600 West 1-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: **KEN DUTTON**

Project Name: RL Rogers

Company Name: **E TGI**

Project # EOT 2041c

Company Address: 2540 W MARRLAND

Project Loc: MONUMENT ALM

City/State/Zip: H08B1 NM 88240

pg 2:

Telephone No (505) 397-4882

Fax No: (505) 397-4781

Sampler Signature:

James C. Gifford

FIELD CODE		Date Sampled	Time Sampled	No. of Containers	Preservative	Matrix	Analyze For:																			
					HNO ₃	HCl	NaOH	KSCN	Name	Other (Specify)	Water	Sediment	Soil	Other (Specify)	TC/PC	TOTAL										
LAB # (if applicable)																										
010561-01	MW 1	9-5-01	1400	2	X												TPH 8015M GMD/20 TPH TX 1005/1006 TPH 4131 TDS / CL / SAR / EC Metals As Ag Ba Cd Cr Pb Hg Se Volatiles Semimetals 8TEX 8021B/C									
02	MW 2		1315	1							X															
03	MW 3		1330	1																						
04	MW 4		1300	1																						
05	EB 1		1415	1																						

Special Instructions:

Reinforced by: *Simon Laker*

Relinquished by: *Andrewa Bixler*

Received by: _____

Received by ELOF: _____

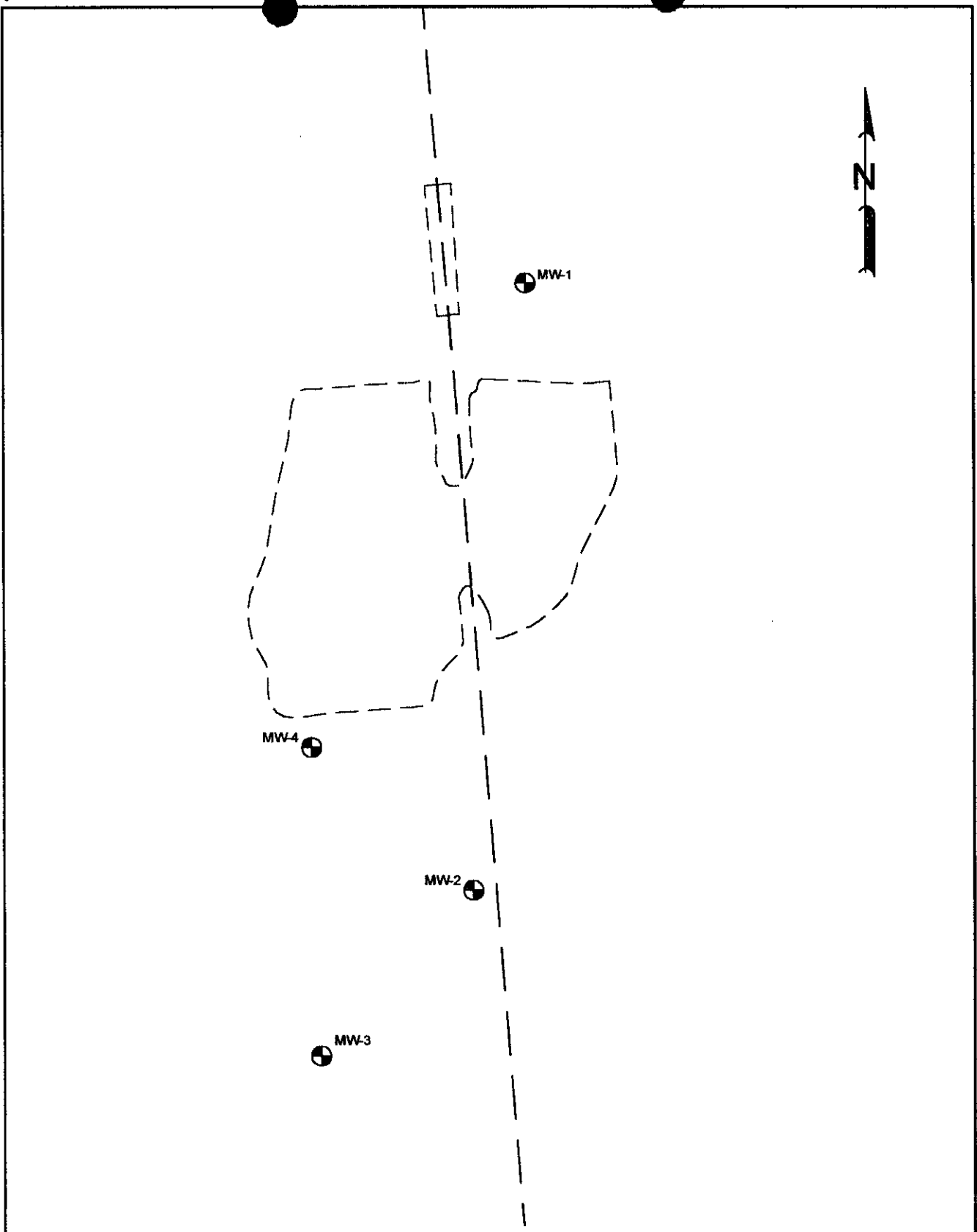
Date: 9-13-01 1100

Date: 9/13/01 1100




For Results: 11/00/01

Rec'd 1:00

Invoice 6-11



LEGEND:

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

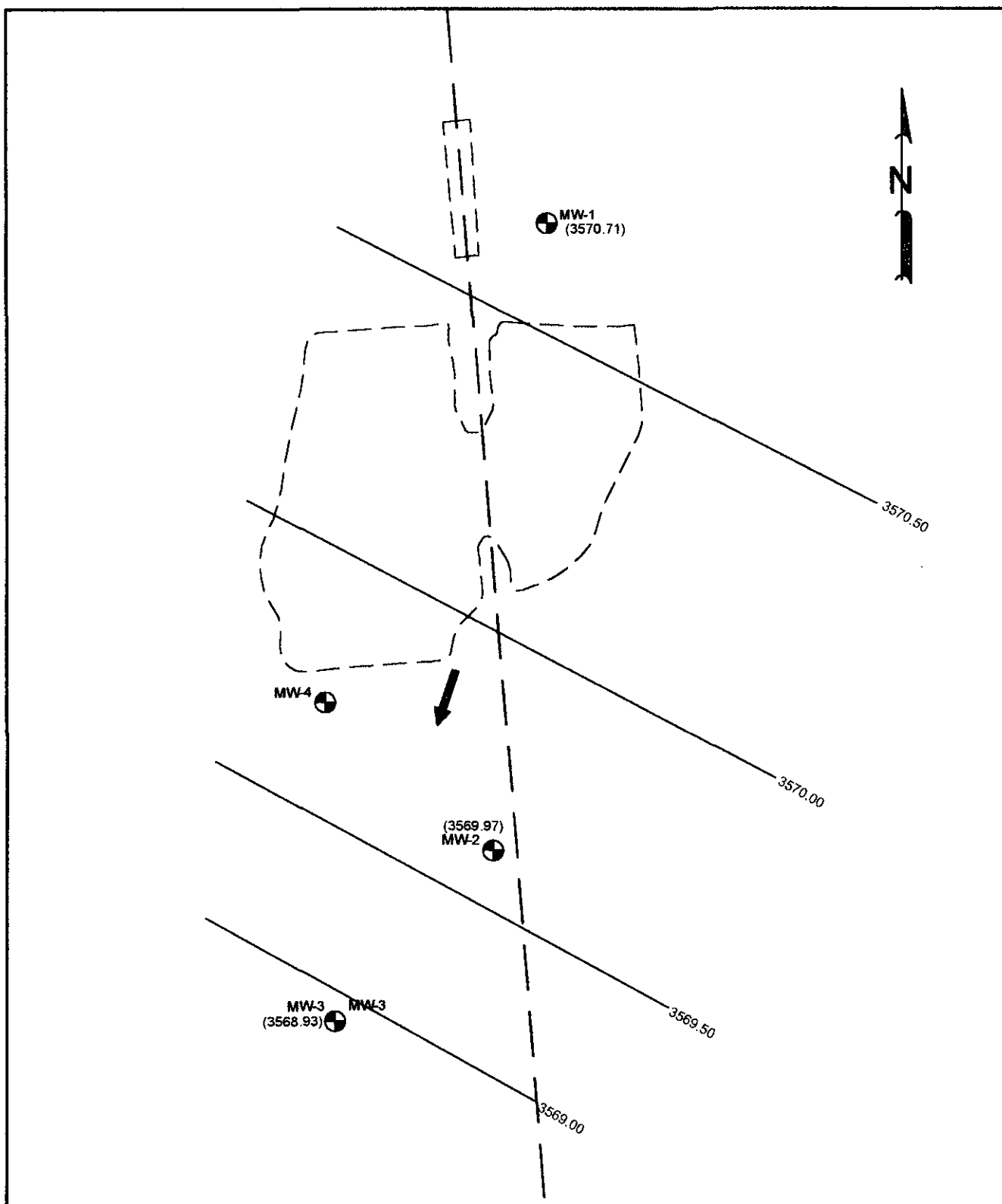
**Figure 1
Site Map**

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



**Environmental Technology
Group, Inc.**

Scale: 1" = 65'	Prep By: JDJ	Checked By: JH
November 14, 2001	ETGI Project #: EOT2041C	



LEGEND:

- ETGI Monitoring Well Locations
- EOTT Pipeline
- - - Former Excavated Area
- Groundwater Contour Line
- (3568.93) Groundwater Elevation 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: JDU	Checked By: JH
November 14, 2001 ETGI Project #: EOT2041C		



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 20, 2001

CERTIFIED MAIL
RETURN RECEIPT NO: 3771-7477

Mr. Wayne Brunette
EOTT Energy Pipeline Limited Partnership
P.O. Box 1660
Midland, Texas 79702

RE: CASE # 1R0087
R.L. ROGERS LEAK SITE

Dear Mr. Brunette:

The New Mexico Oil Conservation Division (OCD) has reviewed the following EOTT Energy Pipeline Limited Partnership (EOTT) documents which were submitted to the OCD on March 12 2001 by their consultant Environmental Technology Group, Inc (ETGI).

- February 28, 2001 correspondence titled "EOTT R.L. ROGERS LEAK SITE".
- February 2001 "ADDITIONAL SUBSURFACE INVESTIGATION REPORT (PURSUANT TO STAGE 1 ABATEMENT PLAN) EOTT ENERGY CORP, R.L. ROGERS RELEASE SITE, LEA COUNTY, NEW MEXICO".
- February 2001 "2000 ANNUAL GROUNDWATER MONITORING REPORT, EOTT PIPELINE COMPANY, R.L. ROGERS RELEASE SITE, LEA COUNTY, NEW MEXICO".
- May 2000 "SUBSURFACE INVESTIGATION REPORT, (STAGE 1 ABATEMENT PLAN) EOTT ENERGY CORP, R.L. ROGERS RELEASE SITE, LEA COUNTY, NEW MEXICO".

These documents contain the results of EOTT's investigation and remediation of contaminated soils and ground water related to a crude oil pipe line spill at the R.L. Rogers Site located in Unit D, Section 32, Township 19 South, Range 37 East, Lea County, New Mexico. The documents also request closure of the site remediation and monitoring actions.

The investigation and remediation work conducted to date is satisfactory. However, a review of the above-referenced documents shows that the existing monitor wells are not directly downgradient of the source area. In addition, there are no ground water monitoring results from the source area that shows that the source area has been remediated. Therefore it cannot be conclusively determined whether ground water contamination at the site has been completely remediated. Therefore, the OCD defers comment on EOTT's closure request and requires that EOTT:

1. Install an additional monitor well directly adjacent to and downgradient of the excavated area to determine the ground water quality at the source of the contamination.
2. Complete the new monitor well as follows:
 - a. At least 15 feet of well screen shall be placed across the water table interface with 5 feet of the well screen above the water table and 10 feet of the well screen below the water table.
 - b. An appropriately sized gravel pack shall be set in the annulus around the well screen from the bottom of the hole to 2-3 feet above the top of the well screen.
 - c. A 2-3 foot bentonite plug shall be placed above the gravel pack.
 - d. The remainder of the hole shall be grouted to the surface with cement containing 3-5% bentonite.
 - e. A concrete pad and locking well cover shall be placed at the surface.
 - f. The well shall be developed after construction using EPA approved procedures.
3. No less than 24 hours after the well is developed, purge, sample and analyze ground water from all monitor wells for concentrations of benzene, toluene, ethylbenzene, xylene (BTEX) using EPA approved methods and quality assurance/quality control (QA/QC).
4. Submit the results of this investigation to the OCD by September 20, 2001. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and shall include the following investigative information:
 - a. A description of the investigation activities which occurred including conclusions and recommendations.
 - b. A geologic/lithologic log and well completion diagram for each monitor well.
 - c. A water table map showing the location of spills, excavated areas, monitor wells, and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient created using the water table elevation from each monitor well.

- d. Isopleth maps for contaminants observed during the investigations.
- e. Summary tables of all ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated QA/QC data.
- f. The disposition of all wastes generated.

If you have any questions or comments, please contact me at (505) 476-3491.

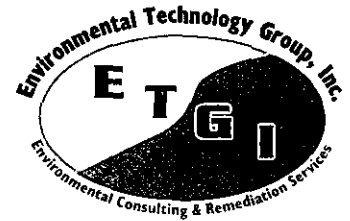
Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Beth Aldrich, ETGI

OIL CONSERVATION DIV.
01 APR 16 PM 3:16



April 9, 2001

Mr. William C. Olson
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: R. L. Rodgers Release Site

Mr. Olson:

On behalf of EOTT Energy Pipeline, Environmental Technology Group, Inc. (ETGI) submits the following request for site closure at the R.L. Rodgers Release Site in the NE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 32, Township 19 South, Range 37 East, in Lea County, New Mexico. As per the Subsurface Investigation Report dated February 2001, the excavation has been backfilled and the site restored to its natural contour. ETGI has completed the four consecutive quarterly ground water sampling events of the three monitoring wells on-site. The analytical data from these monitoring wells are all below New Mexico Water Quality Control Commission (NMWQCC) standards for the monitored contaminants of concern (COC).

Please find attached Table 1, a summary of analytical testing results from May 3, 2000 through February 27, 2001, a period of four consecutive quarterly sampling events. As indicated by the results, no COC has been above the NMWQCC limits during the sampling period.

We are requesting approval for closure of this site, plugging and abandoning the monitoring wells, and reseeding the affected areas at the site. A closure report will follow on completion of these activities.

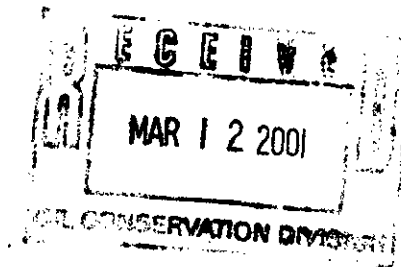
Sincerely,

Ken Dutton
New Mexico Operations Manager

Cc: New Mexico Oil Conservation Division, Hobbs District Office
Jerry Nickel, ETGI- Midland Office

February 28, 2001

Mr. Bill Olson
New Mexico Oil Conservation Division
Environmental Bureau
2040 South Pacheco
Santa Fe, NM 87505



RE: EOTT R. L. Rogers Leak Site

Mr. Olson:

On behalf of EOTT Energy Pipeline, Environmental Technology Group, Inc. (ETGI) submits the following request for site closure at the EOTT R. L. Rogers Leak Site in NW ¼, NW ¼, Section 32, Township 19 South, Range 37 East, in Lea County, New Mexico. As per your requirements, we have completed four consecutive quarters of ground water sampling for the three monitoring wells at the site, with no analytical results above the New Mexico Water Quality Control Commission (NMWQCC) standards for the monitored contaminants of concern (COC).

Please find enclosed the 2000 Annual Groundwater Monitoring Report, which is a summary of the analytical testing along with groundwater gradient maps for the calendar year 2000, a period of four consecutive quarterly sampling events. As indicated by the results, no COC has been above the NMWQCC limits during the sampling period.

We are requesting approval for closure of this site, plugging and abandoning the monitoring wells, returning the surface to its original contour and reseeding the affected areas at the site. A closure report will follow on completion of these activities.

If you have any questions or comments, please contact me at (505) 397-4882. Thank you.

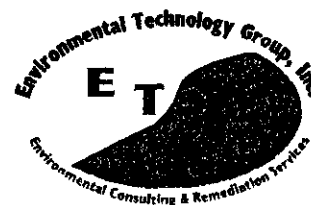
Sincerely,

Beth Aldrich
Geologist/Sr. Project Manager

Cc: EOTT Energy Corp.
Jerry Nickell, ETGI - Midland

ETGI facsimile transmittal**To:** Bill Olsen**Fax:** (505) 827-8177**From:** Jesse Taylor**Date:** 6/13/00**Re:****Pages:** 1**CC:**☐ **Urgent**☐ **For Review**☐ **Please Comment**☐ **Please Reply**☐ **Please Recycle**

Bill - As per my messages -- will follow up -- Thanks - Jesse



June 12, 2000

State of New Mexico
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505
Attn: William Olsen

**RE: R. L. Rogers Release Site
NE1/4 NW1/4 Section 32, Township 19 South, Range 37 East, Lea County
Landowner Mandate/Safety Issues - Excavation Backfill**

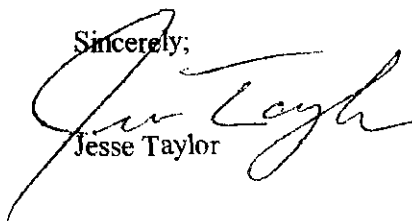
Dear Mr. Olsen:

As per our my phone messages, I am providing the pertinent data regarding the soil and ground water conditions at the referenced site. The data was collected by Environmental Technology Group, Inc. (ETGI) on behalf of EOTT Energy Corp. (EOTT). These same data will be provided to your office within a short time as a portion of a Stage 1 Abatement Plan. It appears that the excavation has been used for recreational purposes (swimming) and the landowner is concerned about related safety and liability issues. Therefore, we would like to backfill the excavation as soon as possible and would appreciate a timely response from your office.

As the data show, soil conditions around the excavation are below regulatory standards with the exception of that portion of the south wall under the pipeline (sample SS04). Given the present excavation, further excavation in this area would compromise the integrity of the pipeline. Therefore, we propose to backfill the majority of the excavation, in order to shore up the pipeline and then to excavate the impacted area under the pipeline at the south wall.

Ground water conditions are currently below New Mexico WQCC standards. It is doubtful that the recommended actions would adversely impact ground water conditions. If you have any questions or comments, please telephone me at (915) 664-9166.

Sincerely;



Jesse Taylor

cc: Glenn Waldrop - EOTT Energy Corp.

ATTACHMENTS

TABLES

TABLE 1

**SUMMARY OF SOIL CHEMISTRY
BORING SAMPLES
R.L. RODGERS LEAK SITE
LEA COUNTY, NM
ETG! PROJECT# EOT1041C**

[illegible]

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
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
Crysene	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

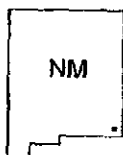
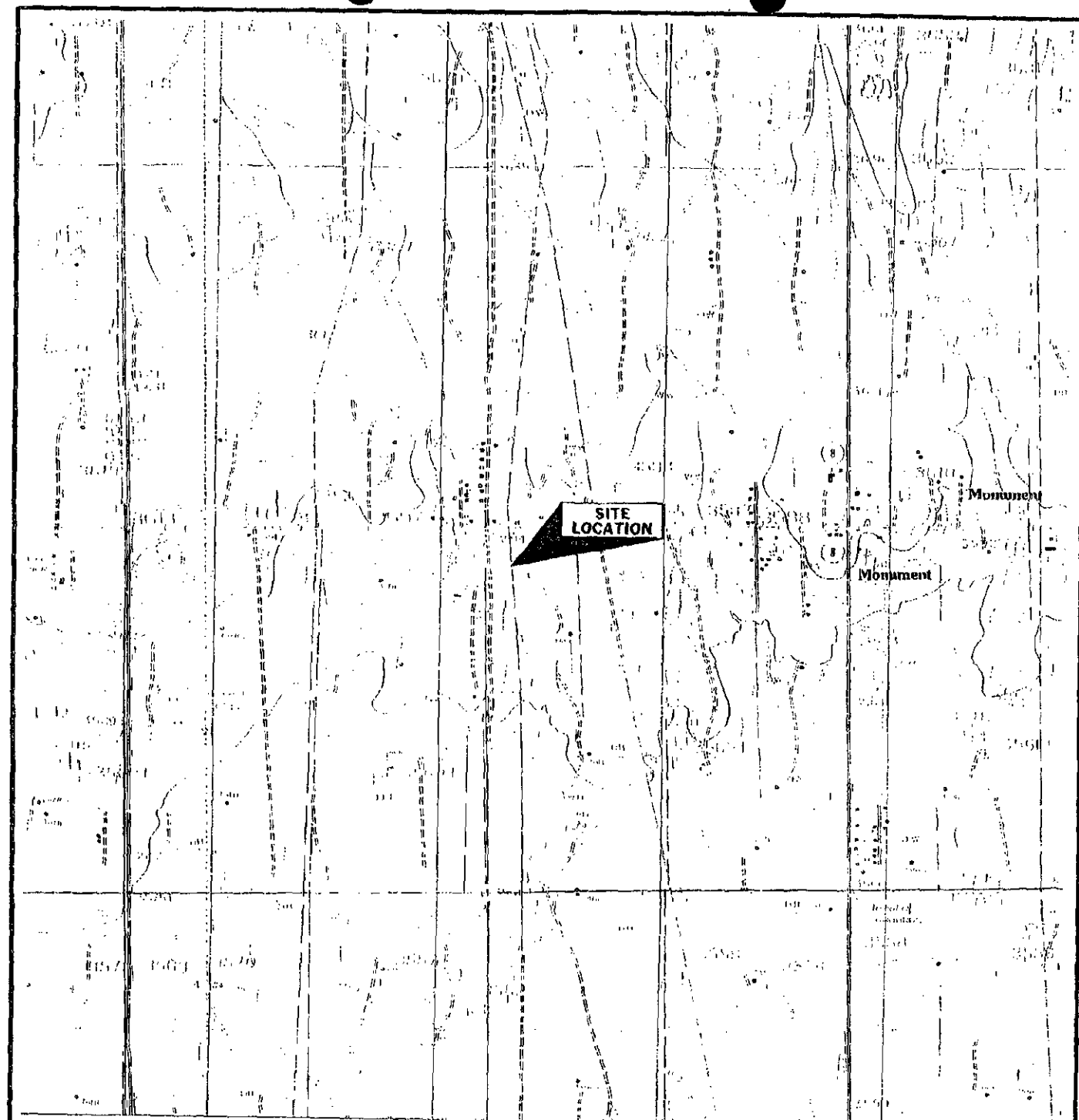
**ADDITIONAL GROUND WATER CHEMISTRY
R. L. ROGERS LEAK SITE
LEA COUNTY, NM
ETGI PROJECT# EOT1041C**

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



QUADRANGLE LOCATION
S32, T19S, R37E

MONUMENT SOUTH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)



scale: 1" = 2000'

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

PROJECT NO.

EOT 1041C

PREPARED BY:

R. STEVENS

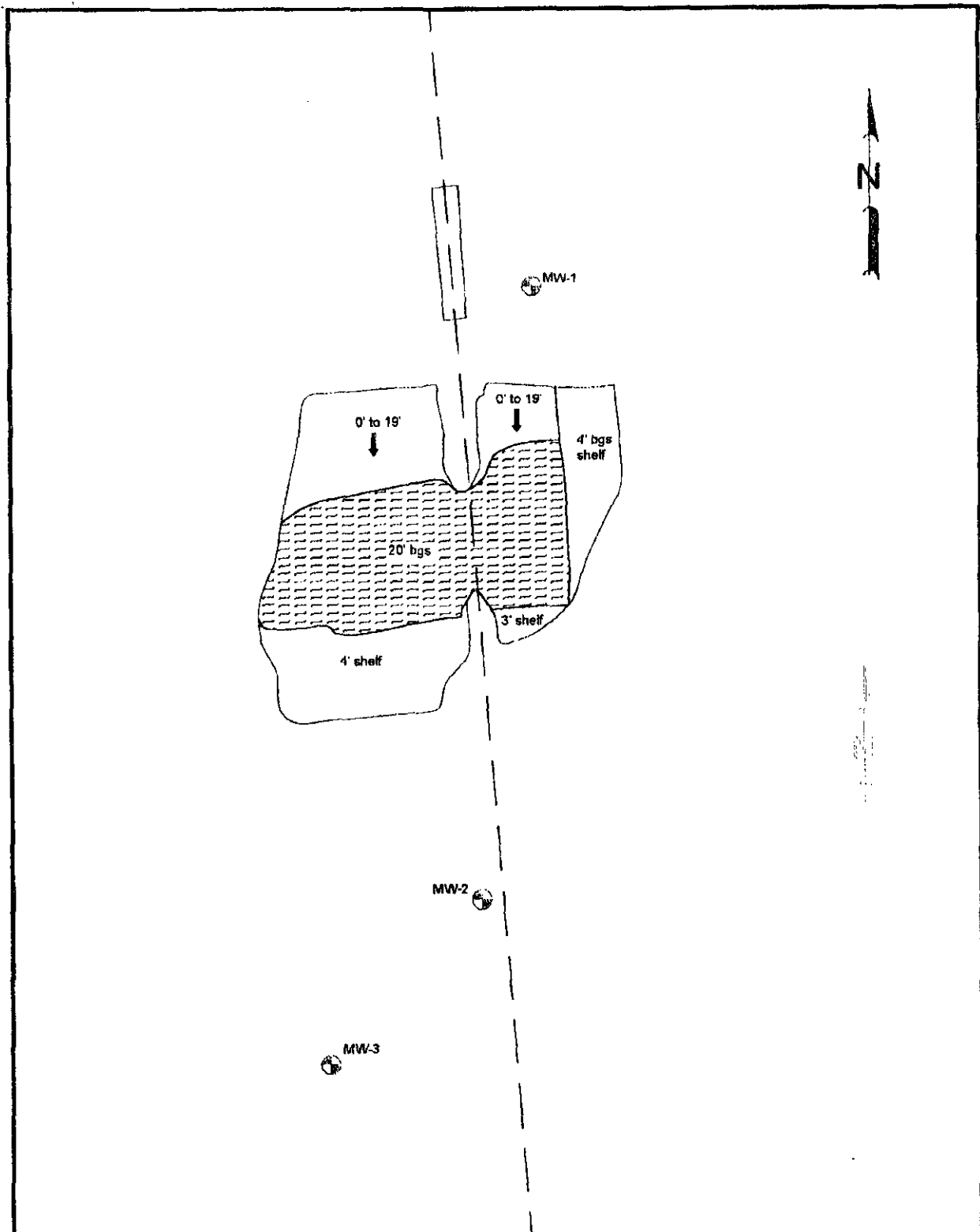
DATE

5-09-00

REVIEWED BY:

J. TAYLOR





LEGEND:

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

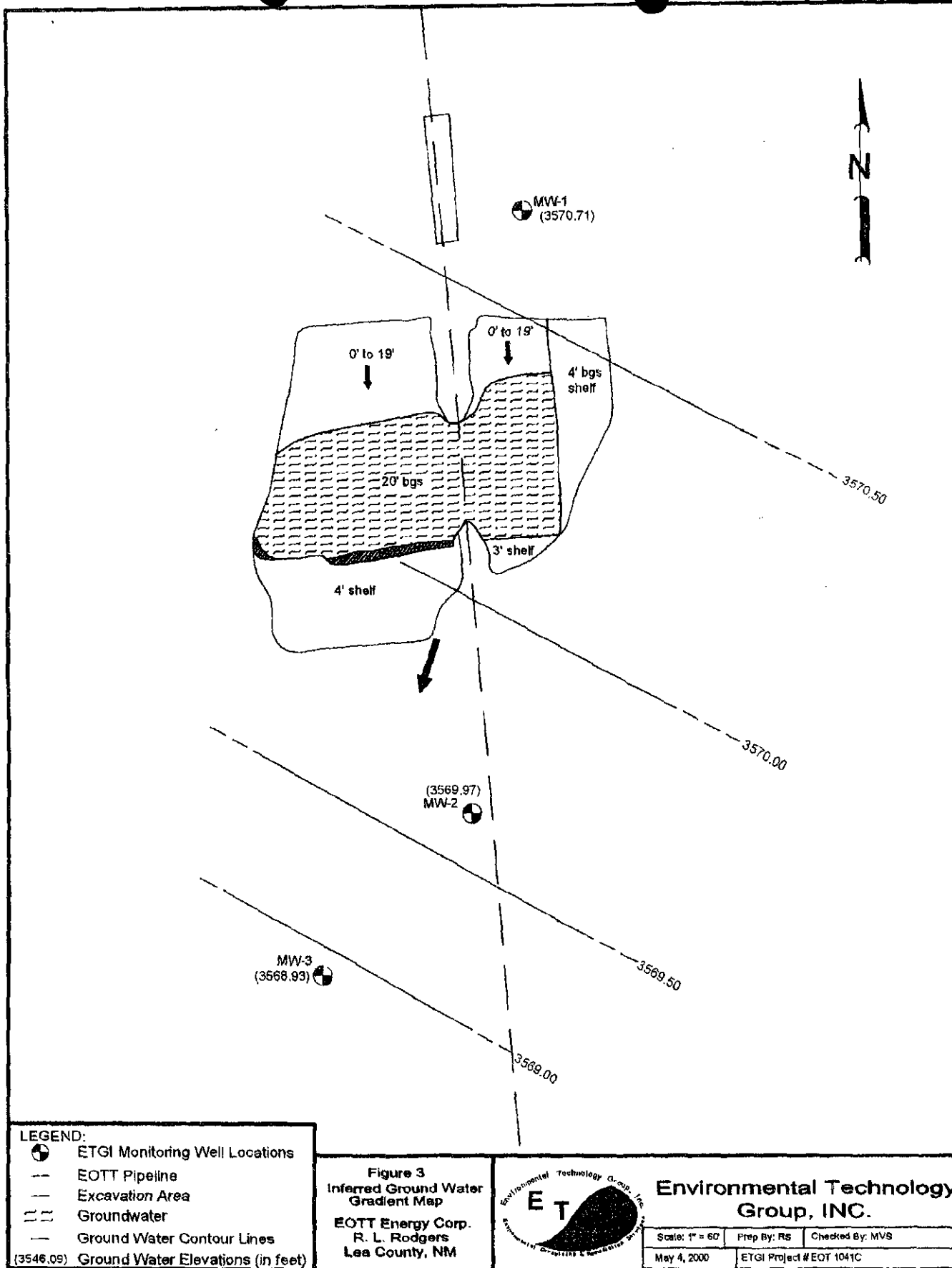
**Figure 2
Site Map**

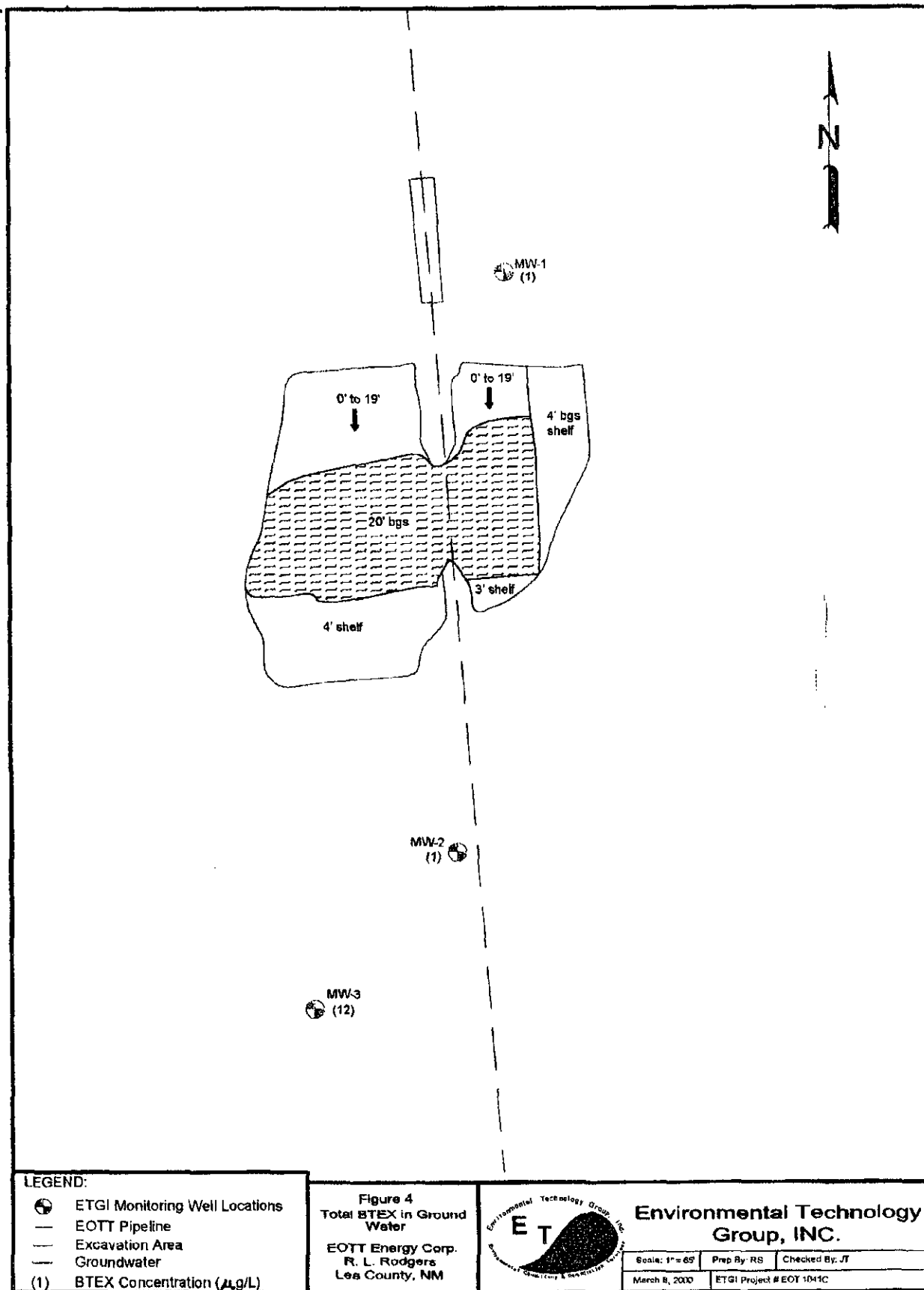
EOTT Energy Corp.
R. L. Rodgers
Lea County, NM



**Environmental Technology
Group, INC.**

Scale: 1" = 60'	Prep By: RS	Checked By: JT
March 8, 2000	ETGI Project # EOT 1041C	





LEGEND:

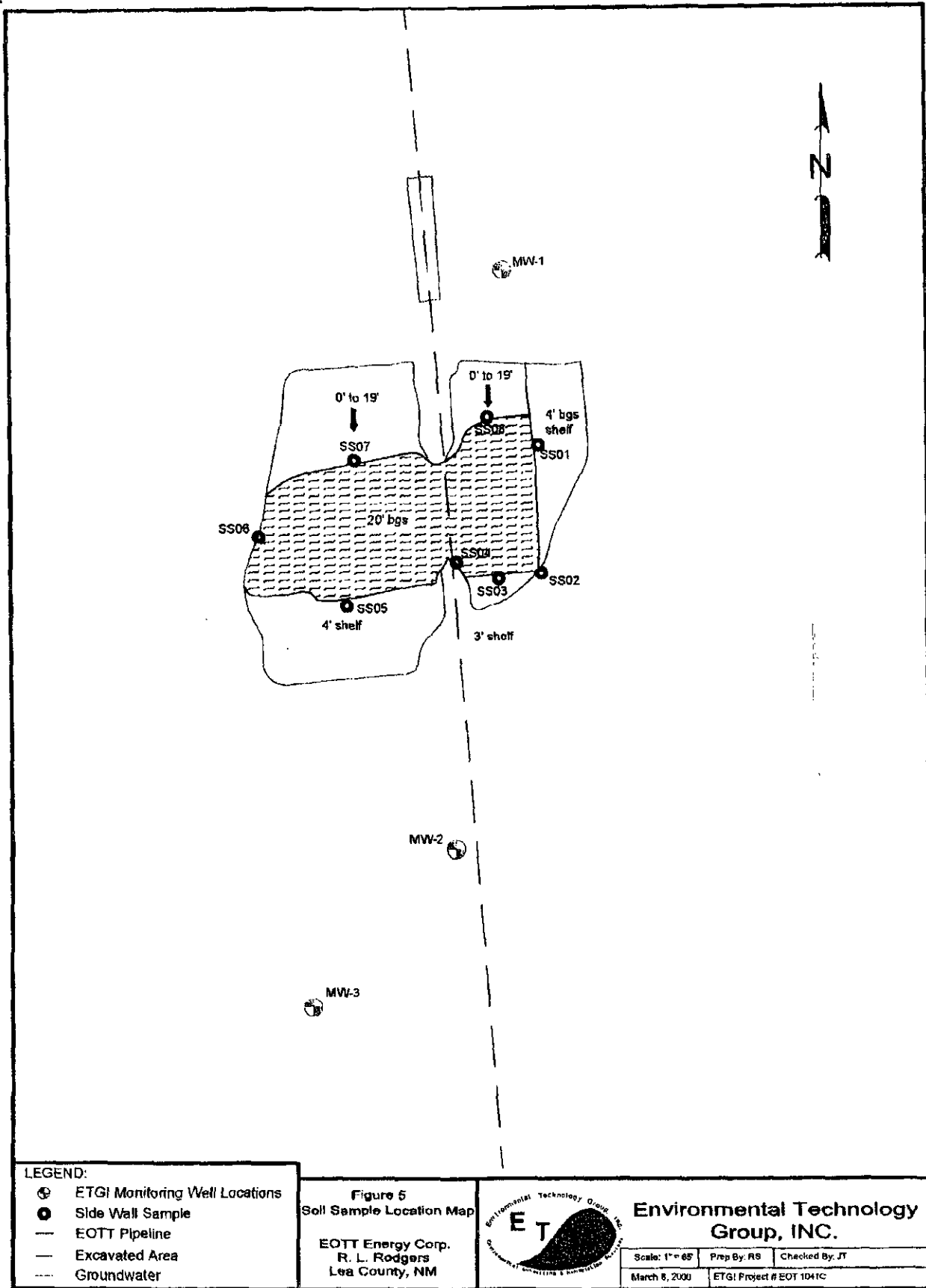
- ETGI Monitoring Well Locations
- EOTT Pipeline
- Excavation Area
- Groundwater
- (1) BTEX Concentration ($\mu\text{g/L}$)

Figure 4
Total BTEX in Ground Water
 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	

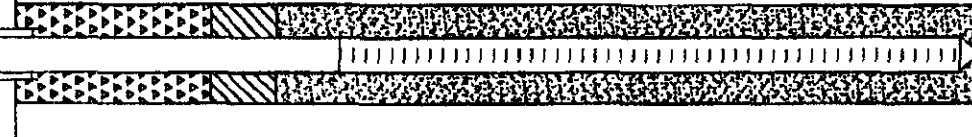


Monitoring Well MW - 1

Depth (feet) Soil Columns PID Reading Notes



0.0 0.0 3.0 0.0 0.0 TD 0.0



Monitoring Well Details

Date Drilled 02-07-00
 Thickness of Bentonite Seal 2 ft
 Length 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

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

- The monitoring well was installed on date using air rotary drilling techniques.
- The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- 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: 1/4" = 1' Prep By: RS Checked By: JT
 February 17, 2000 ETGI Project # EOT 1041C

Monitoring Well MW - 2

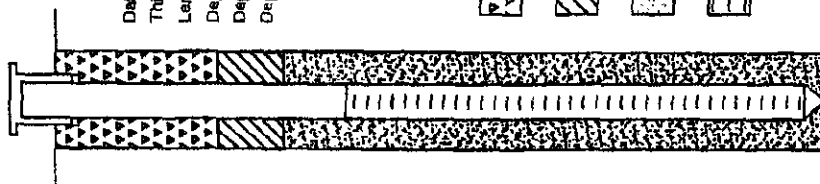
Depth (feet) _____

Soil Columns _____

PID Reading _____

Notes _____

0 5 10 15 20 25 30



Monitoring Well Details

Date Drilled 02-07-00

Thickness of Bentonite Seal 2 ft

Length 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

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.

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 - 2

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

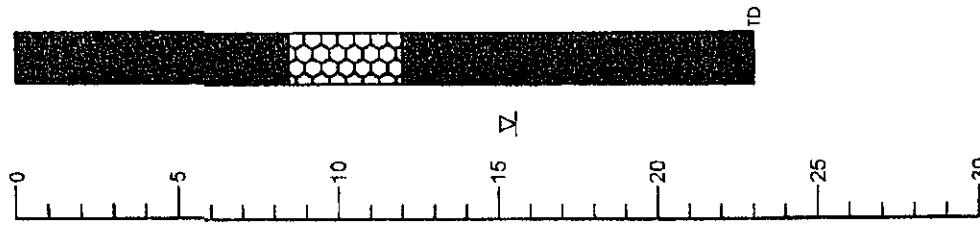


Environmental Technology
Group, Inc.

Scale: use scale
February 17, 2000
Prep By: RS
Checked By: JT
ETG Project # EOT 101C

Monitoring Well MW - 3

Depth (feet) Soil Columns PID Reading Notes



Monitoring Well Details

Date Drilled: 02-07-00
 Thickness of Bentonite Seal: 2 ft
 Length 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 ETOI Project # EOT 1041C

Olson, William

From: Olson, William
Sent: Thursday, July 27, 2000 9:48 AM
To: 'Glenn_Waldrop@eott.com'
Subject: RE: CALICHE FROM R.L. ROGERS SITE

The below referenced request is approved.

From: Glenn_Waldrop@eott.com [SMTP:Glenn_Waldrop@eott.com]

Sent: Tuesday, July 25, 2000 12:40 PM

To: Olson, William

Subject: CALICHE FROM R.L. ROGERS SITE

Importance: High

Per your discussion with Wayne Brunette, we would like to take the leftover caliche from the R.L. Rogers leak site to use as backfill on the Texaco Saunders site. The analyticals indicate the TPH to be below 100 ppm. Texaco is agreeable to accept this material as long as the state agrees with this in writing. Do we have permission to proceed? Thanks for your consideration.

EOTT - R.L. ROGERS/RL BYRD
UL N-SEC 31-Ts19S-R37E
Taken by DONNA WILLIAMS 10-25-1999



EOTT - R.L. ROGERS/RL BYRD

UL N-SEC 31-Ts19S-R37E

Taken by DONNA WILLIAMS 10-25-1999



R.L. ROGERS
EOTT ENERGY CORP
Taken by DONNA WILLIAMS 1999



R.L. ROGERS
EOTT ENERGY CORP
Taken by DONNA WILLIAMS 1999



R.L. ROGERS
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Taken by DONNA WILLIAMS 1999

