MONITORING REPORTS

ANNUAL MONITORING REPORT

TNM 98-SO1

NW ¼ of the SW ¼ of SECTION 20, TOWNSHIP 19 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
LINK ENERGY LEAK NUMBER: TNM-98-SO1
ETGI PROJECT NUMBER: LI2067

PREPARED FOR:

LINK ENERGY
5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79701

PREPARED BY:

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

April 2004

ANNUAL MONITORING REPORT

TNM 98-SO1

NW ¼ of the SW ¼ of SECTION 20, TOWNSHIP 19 SOUTH, RANGE 37 EAST
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MIDLAND, TEXAS 79701

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

April 2004

Camille Reynolds
Project Manager

FOR TODD CHOBAN
Todd Choban
Regional Manager

TABLE OF CONTENTS

INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of Link Energy (Link), has prepared this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. This report is intended to be viewed as a complete document with figures, attachments, tables and text. The report presents the results of the quarterly groundwater monitoring events conducted in the calendar year 2000, only. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was not conducted during the calendar years 2001, 2002 and 2003 due to site access restrictions imposed by the landowner. Groundwater monitoring was conducted during four monitoring events in calendar year 2000 to assess the levels and extent of dissolved phase and Phase Separated Hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitoring wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

FIELD ACTIVITIES

The site monitor wells were last gauged and sampled on March 28, June 20, August 30, and December 4, 2000. During each sampling event, the monitor wells were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater 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 (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, constructed from measurements collected during the 2000 quarterly sampling events are depicted on Figures 2A-2D, the Inferred Groundwater Gradient Maps. Cumulative groundwater elevation data is provided as Table 1. Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2000, indicated the a general gradient of approximately 0.052 ft/ft to 0.055 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-3. The depth to groundwater, as measured from the top of the well casing, ranged between 17.46 to 26.80 feet in the shallow alluvial aquifer.

LABORATORY RESULTS

Groundwater samples collected during the 2000 monitoring events were delivered to the Environmental Laboratory of Texas, Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and total Xylene (BTEX) constituent concentrations by EPA Method SW 846-8021B. Concentrations of BTEX in the groundwater are summarized in Table 2 and copies of the laboratory reports are provided as Appendix A. Quarterly groundwater sample results reflecting benzene and BTEX constituent concentrations are depicted on Figures 3A-3D, the Groundwater Concentration Maps.

Review of the laboratory analytical results generated from analysis of groundwater samples obtained during the 2000 monitoring period indicated that benzene and BTEX concentrations were below NMOCD regulatory standards.

SUMMARY

This report presents the results of groundwater monitoring activities for the annual monitoring period of calendar year 2000. Groundwater monitoring events were not conducted in the calendar years 2001, 2002 and 2003 due to site access restrictions imposed by the landowner.

Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2000 indicated a general gradient of approximately 0.052 ft/ft to 0.055 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-3.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2000 monitoring period indicate that benzene and BTEX constituent concentrations are below NMOCD regulatory standards. An additional groundwater monitor well is required adjacent to and down gradient of, the release point in response to the NMOCD letter dated October 30, 2000, but has not been installed to date due to access restrictions imposed by the landowner. Contingent upon the laboratory results obtained from groundwater sampling of the proposed monitor well, a Site Closure Request will be submitted to the NMOCD.

DISTRIBUTION

Copy 1 & 2: William C. Olson/Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Copy 3: Chris Williams
New Mexico Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

Copy 4: Jeff Dann
Link Energy
2000 West Sam Houston Parkway
Suite 400
Houston, Texas 77042

Copy 5: Jimmy Bryant
EOTT Energy
5805 Hwy 80 East
Midland, Texas 79701

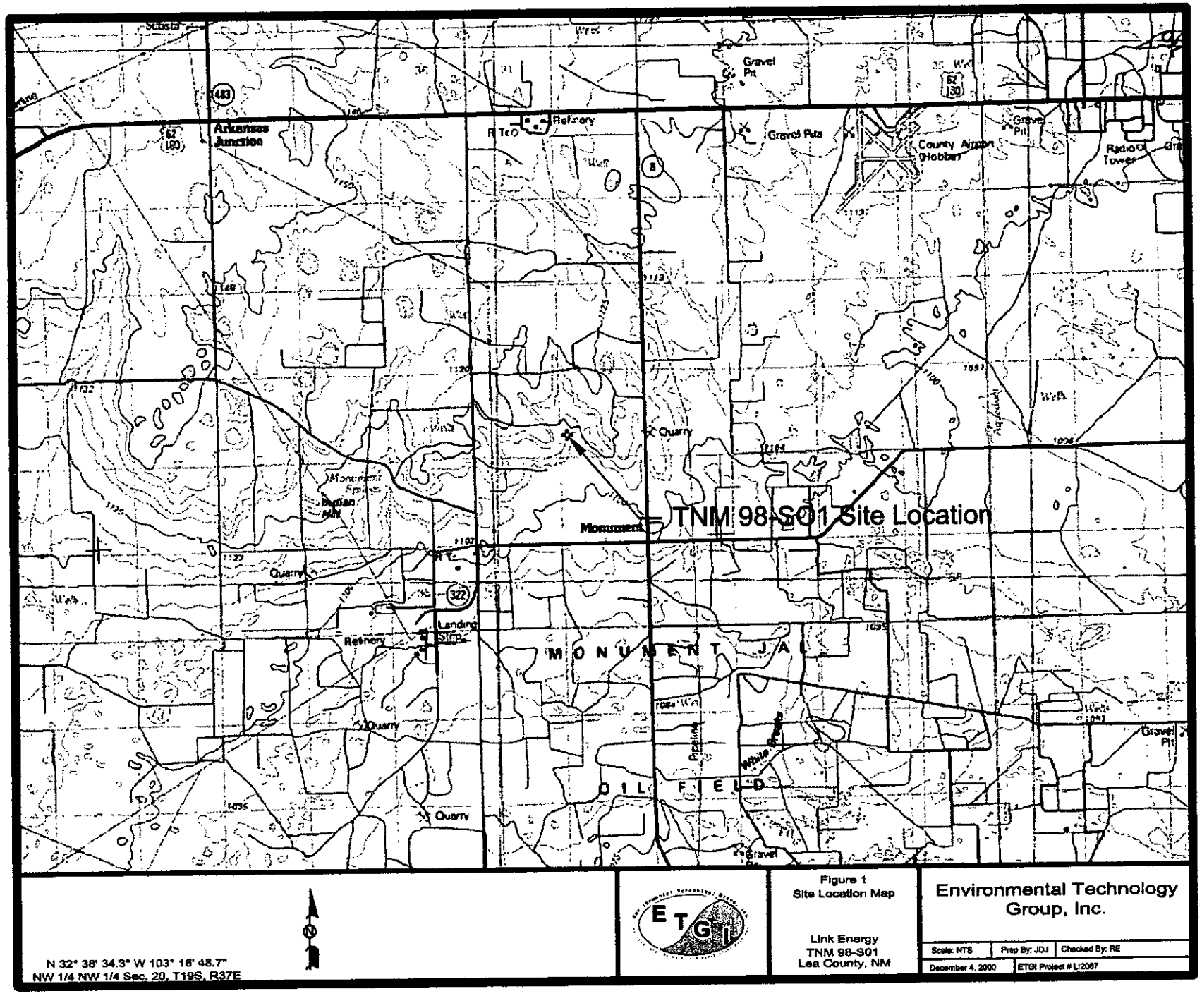
Copy 6: Environmental Technology Group, Inc.
4600 West Wall
Midland, Texas 79703

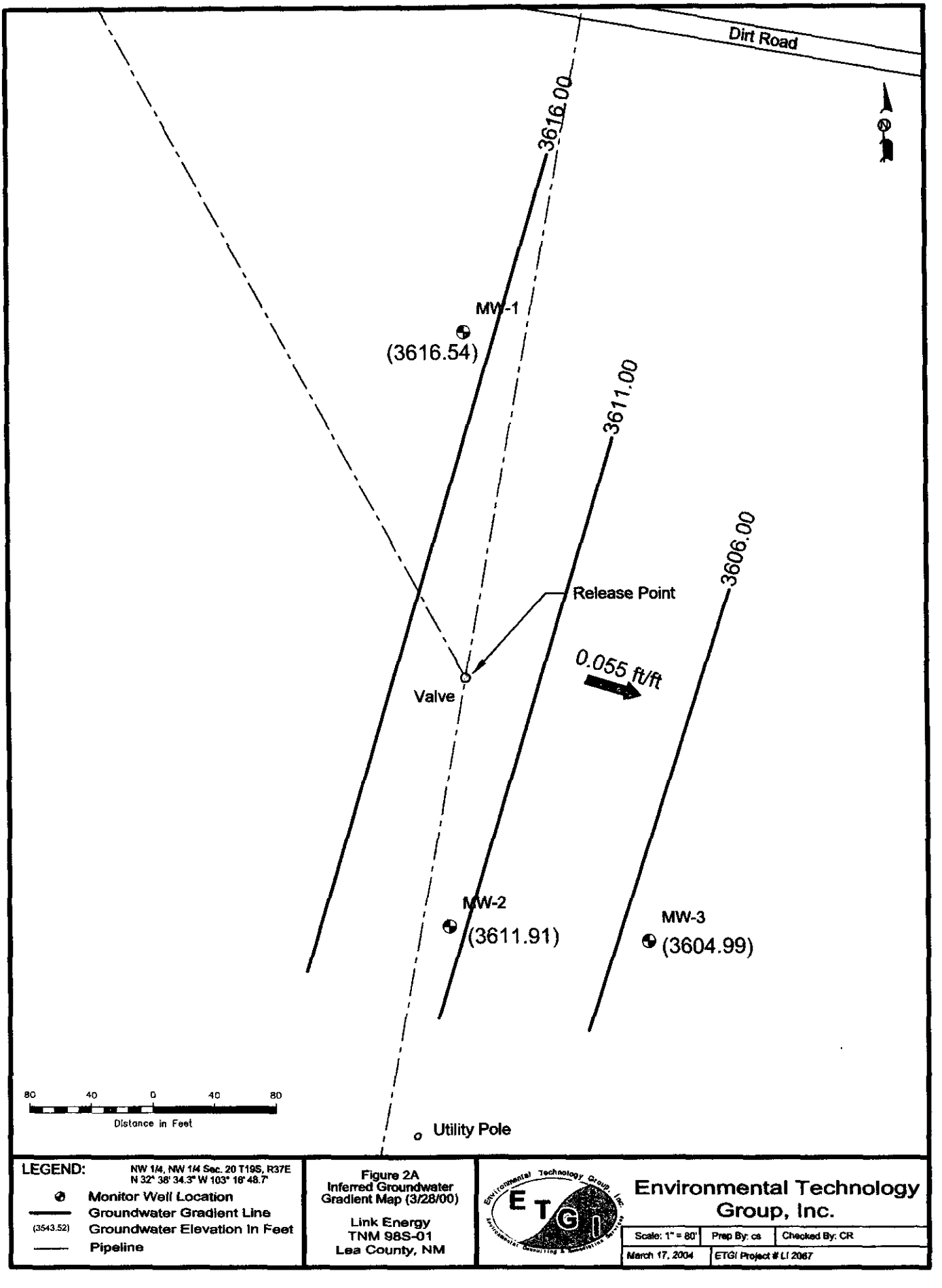
Copy 7: Environmental Technology Group, Inc.
2540 West Marland
Hobbs, New Mexico 88240

Copy Number_____

Quality Control Review_____

FIGURES


TNM 98-S01 Site Location
Arkansas Junction
Refinery
Gravel Pits
County Airport (Hobbs)
Radio Tower
Quarry
Monument
Landing Strip
MONUMENT
OIL FIELD
Pipeline
White Sands
Gravel Pit
N 32° 38' 34.3" W 103° 16' 48.7"
NW 1/4 NW 1/4 Sec. 20, T19S, R37E
Figure 1
Site Location Map
Link Energy
TNM 98-S01
Lea County, NM
Environmental Technology Group, Inc.
Scale: NTS
Prep By: JDJ
Checked By: RE
December 4, 2000
ETGI Project # L/2087



LEGEND:

NW 1/4, NW 1/4 Sec. 20 T19S, R37E
N 32° 38' 34.3" W 103° 16' 48.7"

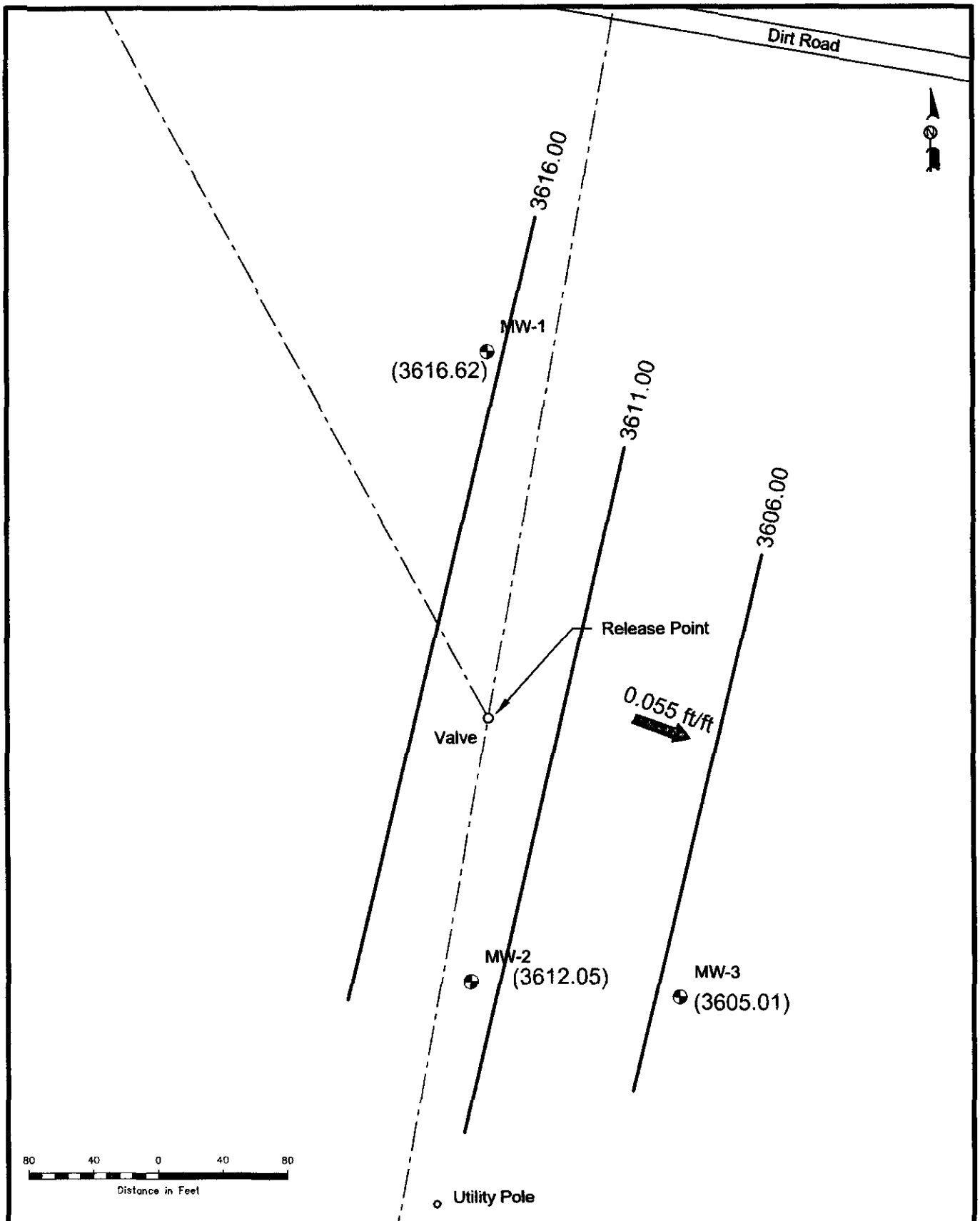
- Monitor Well Location
- Groundwater Gradient Line
- (3543.52) Groundwater Elevation In Feet
- Pipeline

Figure 2A
Inferred Groundwater Gradient Map (3/28/00)

Link Energy
TNM 98S-01
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 80'	Prep By: cs	Checked By: CR
March 17, 2004	ETGI Project # LI 2067	



LEGEND:

NW 1/4, NW 1/4 Sec. 20 T19S, R37E
N 32° 38' 34.3" W 103° 16' 48.7"

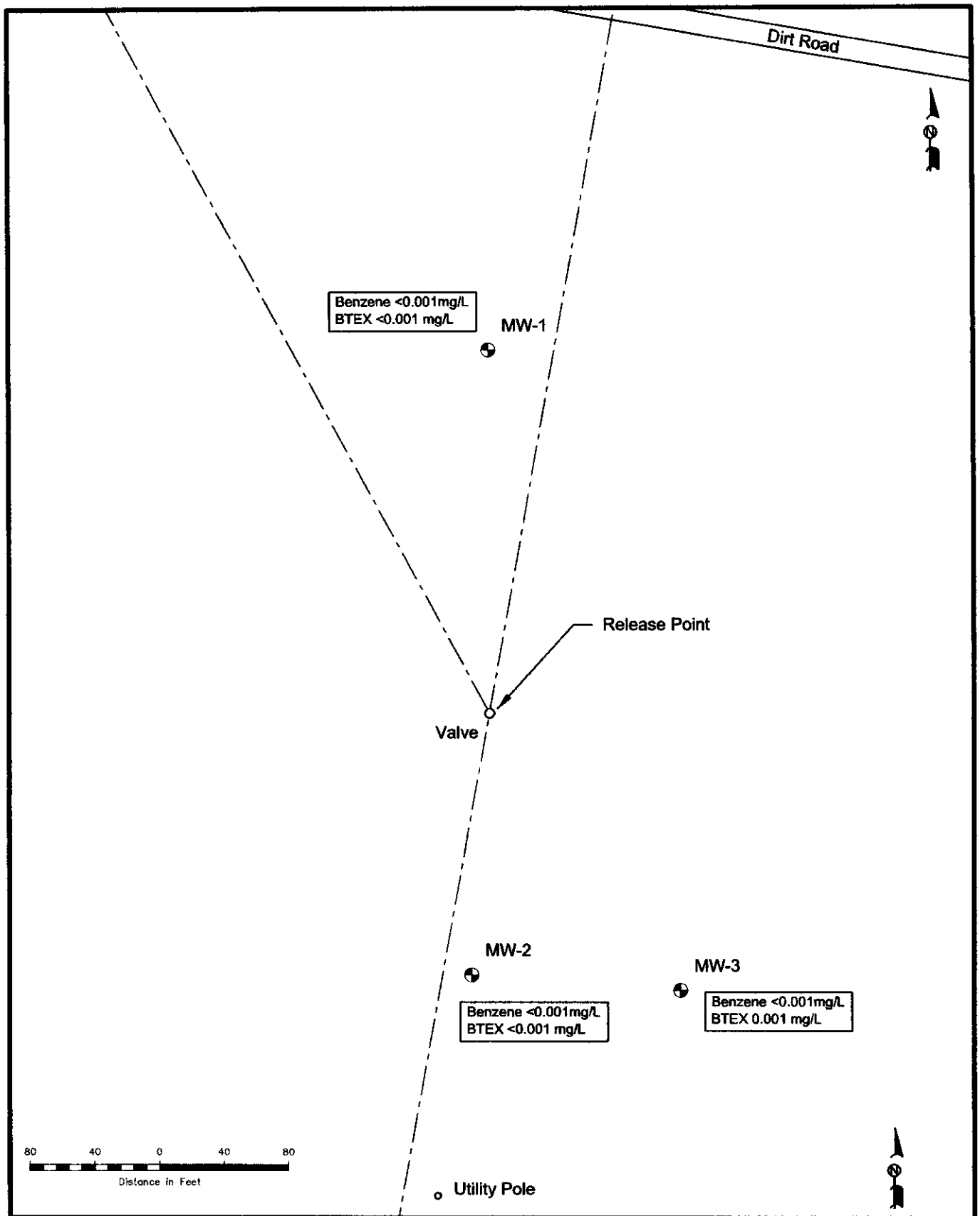
- Monitor Well Location
- Groundwater Gradient Line
- (3543.52) Groundwater Elevation In Feet
- Pipeline

Figure 2B
Inferred Groundwater Gradient Map (6/20/00)

Link Energy
TNM 98S-01
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 80'	Prep By: cs	Checked By: CR
March 17, 2004	ETGI Project # LI 2067	



LEGEND:

NW 1/4, NW 1/4 Sec. 20 T19S, R37E
N 32° 38' 34.3" W 103° 16' 48.7"

Monitor Well Location

Pipeline

Figure 3B
Groundwater Concentration Map (6/20/00)

Link Energy
TNM 98S-01
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 80'	Prep By: cs	Checked By: CR
March 17, 2004	ETGI Project # LI 2067	

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 98-S01
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2067

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/13/99	3,634.38	-	17.54	0.00	3,616.84
	08/25/99	3,634.38	-	17.60	0.00	3,616.78
	12/14/99	3,634.38	-	17.90	0.00	3,616.48
	03/28/00	3,634.38	-	17.84	0.00	3,616.54
	06/20/00	3,634.38	-	17.76	0.00	3,616.62
	08/30/00	3,634.38	-	17.46	0.00	3,616.92
	12/04/00	3,634.38	-	17.61	0.00	3,616.77
MW - 2	05/13/99	3,633.96	-	21.81	0.00	3,612.15
	08/25/99	3,633.96	-	21.82	0.00	3,612.14
	12/14/99	3,633.96	-	22.21	0.00	3,611.75
	03/28/00	3,633.96	-	22.05	0.00	3,611.91
	06/20/00	3,633.96	-	21.91	0.00	3,612.05
	08/30/00	3,633.96	-	21.81	0.00	3,612.15
	12/04/00	3,633.96	-	21.94	0.00	3,612.02
MW - 3	05/13/99	3,631.79	-	26.33	0.00	3,605.46
	08/25/99	3,631.79	-	26.57	0.00	3,605.22
	12/14/99	3,631.79	-	26.81	0.00	3,604.98
	03/28/00	3,631.79	-	26.80	0.00	3,604.99
	06/20/00	3,631.79	-	26.78	0.00	3,605.01
	08/30/00	3,631.79	-	26.36	0.00	3,605.43
	12/04/00	3,631.79	-	26.56	0.00	3,605.23

Elevations based on the North American Vertical Datum of 1929

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY

TNM 98-SO1

LEA COUNTY, NEW MEXICO

ETGI PROJECT #LI 2067

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENES	o-XYLENE
MW - 1	01/28/99	<0.001	<0.001	<0.001	<0.002	<0.001
	08/25/99	<0.001	<0.001	<0.001	<0.001	<0.001
	12/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
	03/28/00	0.001	<0.001	<0.001	<0.001	<0.001
	06/20/00	<0.001	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	01/28/99	<0.001	<0.001	<0.001	<0.002	<0.001
	08/25/99	<0.001	<0.001	<0.001	<0.001	<0.001
	12/14/98	<0.001	<0.001	<0.001	<0.001	<0.001
	03/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/00	<0.001	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/04/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	01/28/99	0.002	<0.001	<0.001	<0.002	<0.001
	08/25/99	0.007	0.001	0.002	0.002	0.001
	12/14/99	0.002	0.002	0.002	0.003	0.003
	03/28/00	<0.001	<0.001	0.001	0.001	<0.001
	06/20/00	<0.001	0.001	<0.001	<0.001	<0.001
	08/30/00	0.003	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	0.001	<0.001	<0.001	<0.001
EB - 1	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	<0.001	<0.001	<0.001	<0.001

Note: EB denotes Equipment Blank collected during the sampling event.

Appendix A

Laboratory Reports

ENVIRONMENTAL LAB OF , INC.

FILE

"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 1015C
Project Name: TNM 98-501
Project Location: Monument, N.M.

Sampling Date: 03/28/00
Receiving Date: 03/28/00
Analysis Date: 3/28 & 3/29/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24380	MW 1	0.001	<0.001	<0.001	<0.001	<0.001
24381	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
24382	MW 3	<0.001	<0.001	0.001	0.001	<0.001
% IA		97	87	91	100	87
% EA		97	87	87	94	85
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

3-30-00
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 113

Project Manager: Jesse Taylor
Phone #: (505) 664-5166
FAX #: (505) 392-3760

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

Project #: EOT 1015C
Project Name: TNM 98-501

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: STEX 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
24340	MW 1	2	✓	X					X		X			3-28-00	1036	X							
2891	MW 2	↓	↓	↓					↓		↓			↓	1102	↓							
24392	MW 3	↓	↓	↓					↓		↓			↓	1054	↓							

Relinquished by:	Date:	Time:	Received by:
	3-29-00	1500	
	3/28/00	1730	
			Received by Laboratory:

REMARKS
MAIL Results : K. Dutton
Invoice : Lennox Foust 1015 M

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2015C
Project Name: TNM 98-S01
Project Location: Lea County, N.M.

Sampling Date: 06/20/00
Receiving Date: 06/23/00
Analysis Date: 06/27/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
27352	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
27353	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
27354	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
% IA		96	91	92	100	93
% EA		98	96	96	107	97
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Roland K. Tuttle

Roland K. Tuttle

6-29-00

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# 169

1 of 1

Project Manager: J TAYLOR

Phone #: (505) 397-4853

FAX #: (505) 397-4701

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

Project #: EOT2015C

Project Name: JAM 98-801

Project Location: LEA CTY NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: 2000 DATE	TIME	BTEX 8021B/602	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	NCI
27352	MW-1	2	V	X					X		X			6/20	1050	X							
27353	MW-2	2	V	X					X		X			"	1025	X							
27354	MW-3	2	V	X					X		X			"	1110	X							

Relinquished by:	Date:	Time:	Received by:	REMARKS
[signature]	23 Jun 00	1432	[signature]	FR: (505) 397-4701
Relinquished by:	Date:	Time:	Received by:	ATTN: ED
Relinquished by:	Date:	Time:	Received by Laboratory:	INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4945
MIDLAND, TEXAS 79704
FAX: 915-520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2067C
Project Name: TNM 98-S01
Project Location: Monument, N.M.

Sampling Date: 08/30/00
Receiving Date: 09/01/00
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
30307	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30308	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30309	MW 3	0.003	<0.001	<0.001	<0.001	<0.001	0.003
30310	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		108	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.

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

4500 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) 682-2761

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)
COC 215

Project Manager: BETH ALDRICH
Project Name: TNM 98-501
Project Number: EOT 2067C
Project Location: MONUMENT NM
Sampler Signature:

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
30307	MW 1	2	V	X				X			X		8-30	1242
30308	MW 2													1221
30309	MW 3													1300
30310	EB 1													1315

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
X											

Relinquished by: Date: Time:
9-1-00 1400

Received by: Date: Time:

Relinquished by: Date: Time:
9-1-00 1400

Received at Lab by: Date: Time:
9-1-00 1705

REMARKS: 30°F
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

FILE

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/ -2.0 deg. C
Project #: EOT 2067C
Project Name: TNM 98-501
Project Location: Monument, N.M

Sampling Date: 12/04/00
Receiving Date: 12/09/00
Analysis Date: 12/09/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35151	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
35152	MW 2	0.001	<0.001	<0.001	<0.001	<0.001
35153	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
35154	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%TA		102	105	104	111	104
%EA		94	100	98	104	100
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Roland K. Tuttle

12-12-00
Date

290 Page of

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

Environmental Technology Group, Inc.

4600 West Wall, Midland, TX 79703, Tel (915) 522-1136, Fax (915) 520-4310

2540 West Marland, Hobbs, NM 88262, Tel (505) 397-4892, Fax (505) 397-4701

EOTT ENERGY CORP., 5805 East Business 20, Midland, TX 79702, Tel (915) 687-3400, Fax (915) 682-2281

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: BETH ALDRICH

Project Name: TNM 98-801

Project Number: EOT 2467C

Project Location: MONUMENT NM

Sampler Signature: Lenora Lopez

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/602	TPH 418.1 / TX 1005	TPH 8015M (DRO/GRO)	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb 5A Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
3018, 52	MW 1	2	✓	X				X			X		12-4	1417	X											
35, 53	MW 2	↓	↓	↓				↓			↓		↓	1440	↓											
35, 54	MW 3													1435												
35, 54	EB 1													1500												

Relinquished by: Lenora Lopez Date: 12-4-00 Time: 1500

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

REMARKS:

FAX RESULTS: HOBBS REC-2.6°C

MAIL RESULTS: EOTT

INVOICE: EOTT

LABELED TNM 98-02 ON SAMPLES, SHOULD BE TNM 98801

Rec'd 3/28/03

ANNUAL MONITORING REPORT

IR 97 5/8/03

EOTT ENERGY, LLC
TNM 98-SO1
NW ¼, NW ¼ OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

PREPARED FOR:

EOTT ENERGY, LLC
5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79701

PREPARED BY:

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

April 2003

Camille Reynolds
Project Manager

FOR
Chance I. Johnson
New Mexico Regional Manager

TABLE OF CONTENTS

INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of EOTT Energy, LLC (EOTT), prepared this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. This report is intended to be viewed as a complete document with figures, attachments, tables and text. The report presents the results of the quarterly groundwater monitoring events only. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during four monitoring events in calendar year 2000 to assess the levels and extent of dissolved phase and phase separated hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitoring wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Groundwater monitoring events were not conducted during the calendar years 2001 and 2002, as the landowner will not allow access to the site.

FIELD ACTIVITIES

Quarterly groundwater sampling was not conducted during 2001 and 2002 because the landowner will not grant access to the site. The site monitor wells were last gauged and sampled on March 28, June 20, August 30, and December 4, 2000. During each sampling event, the monitor 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. Groundwater 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 or Vista Trucking of Eunice, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, as measured on December 4, 2000 are depicted on Figure 2 and Figure 3, the Groundwater Gradient Map and the NMOCD Site Map. The groundwater elevation data is provided as Table 1. Groundwater elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.052 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-3. The depth to groundwater, as measured from the top of the well casing, ranged between 17.46 to 26.80 feet in the shallow alluvial aquifer.

LABORATORY RESULTS

Groundwater samples obtained during the sampling events were delivered to Environmental Laboratory of Texas, Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and total Xylene (BTEX) concentrations by EPA Method SW 846-8021B. The groundwater chemistry data is provided as Table 2 and the Laboratory Reports are provided as Appendix A.

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

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2000. Groundwater monitoring events were not conducted in the calendar years 2001 and 2002 due to site access restrictions imposed by the landowner.

Groundwater elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.052 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-3.

Laboratory results for all of the site groundwater samples, obtained during the calendar year 2000 monitoring period, indicated that benzene and BTEX concentrations were below NMOCD regulatory standards for all of the on-site monitor wells. An additional groundwater monitor well is required adjacent to and down gradient of, the release point in response to the NMOCD letter dated October 30, 2000, but has not been installed to date due to access restrictions imposed by the landowner.

DISTRIBUTION

Copy 1 & 2: William C. Olson/Randy Bayliss
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Copy 3: Chris Williams
New Mexico Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

Copy 4: Frank Hernandez
EOTT Energy, LLC
P. O. Box 1660
Midland, Texas 79702

Copy 5: Jimmy Bryant
EOTT Energy, LLC
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Midland, Texas 79702

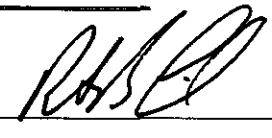
Copy 6: Mike Kelly
EOTT Energy, LLC
P. O. Box 4666
Houston, Texas 77210-4666

Copy 7: Bill Vondrehle
EOTT Energy, LLC
P. O. Box 4666
Houston, Texas 77210-4666

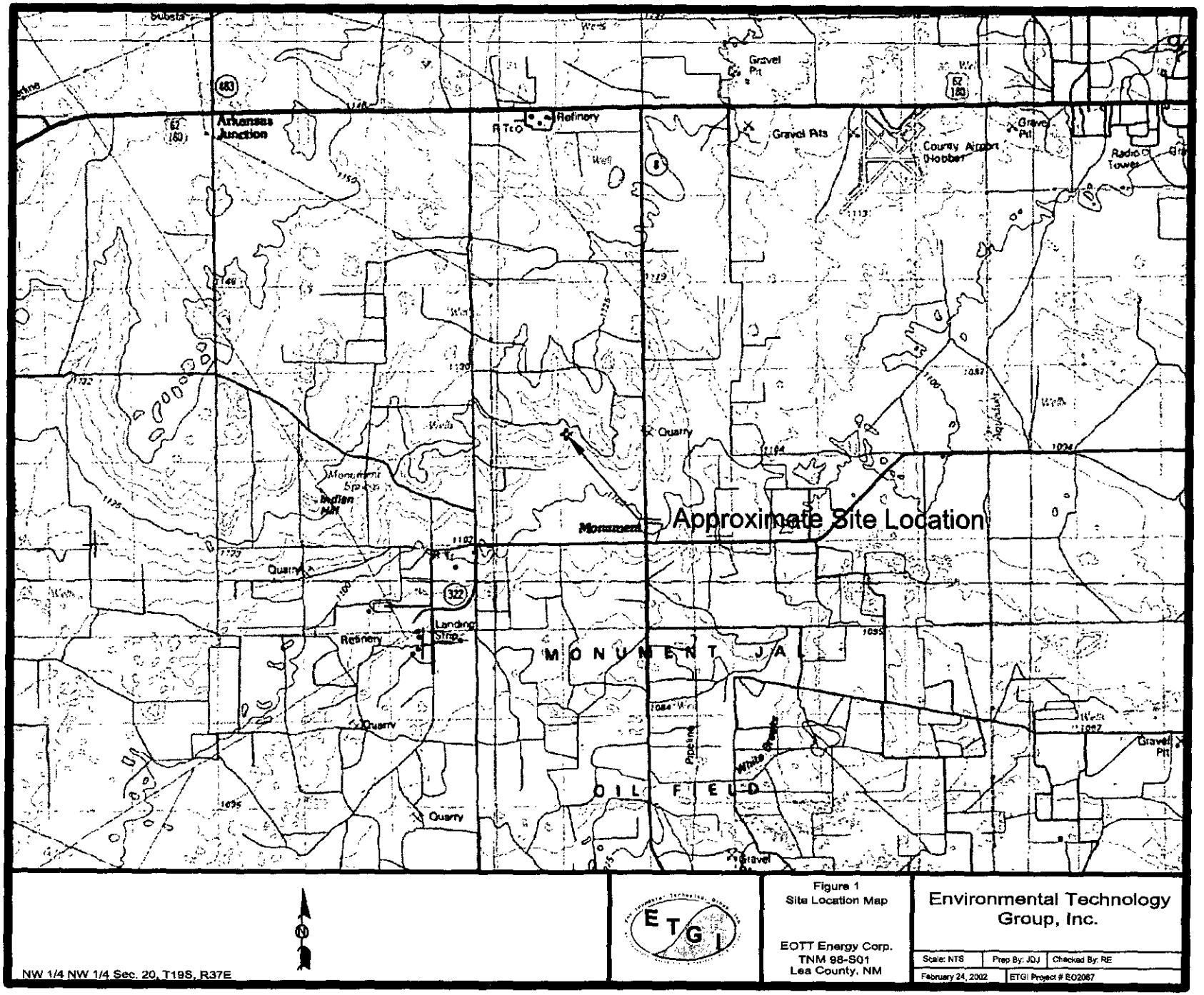
Copy 8: Environmental Technology Group, Inc.
4600 West Wall
Midland, Texas 79703

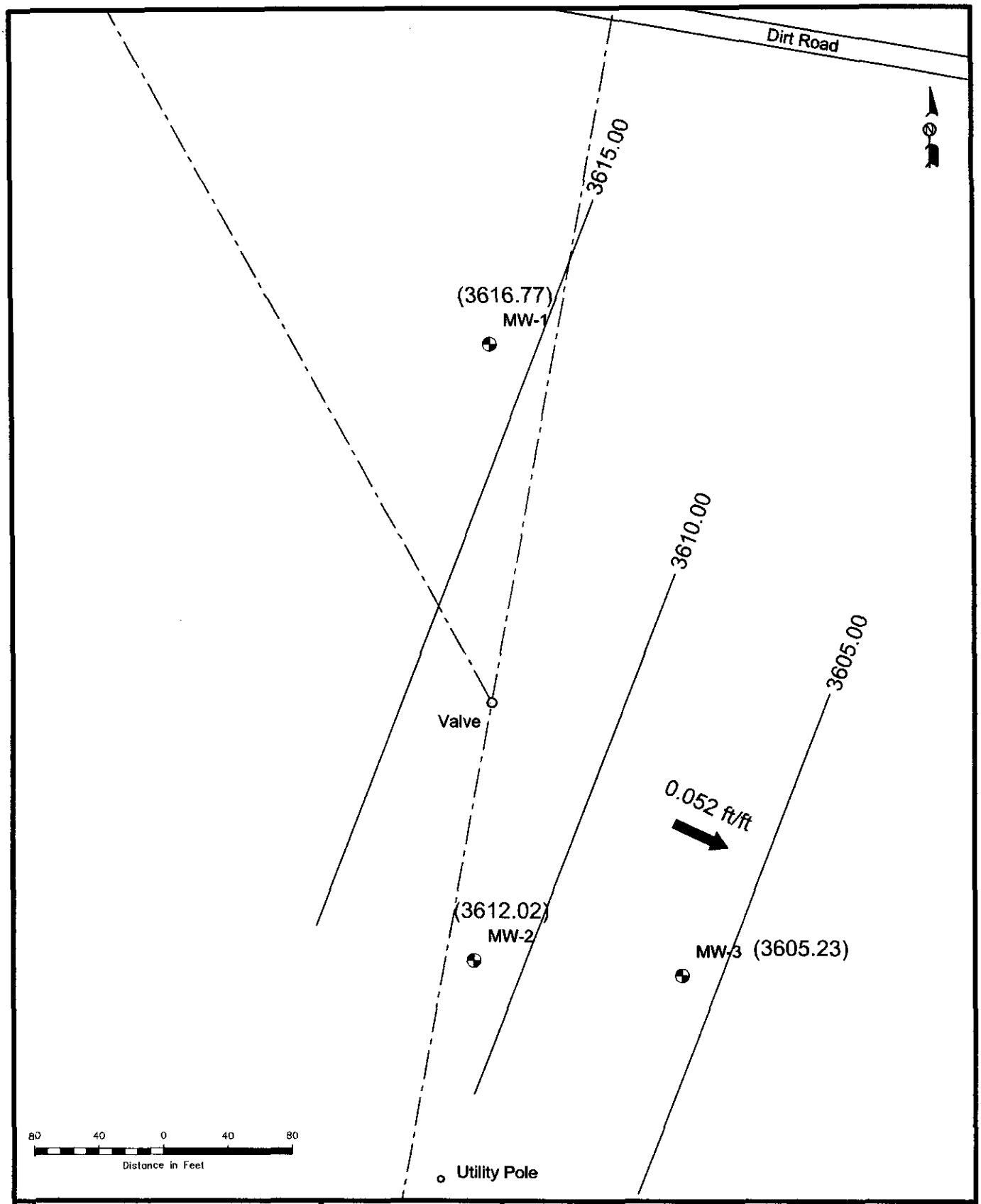
Copy 9: Environmental Technology Group, Inc.
2540 West Marland
Hobbs, New Mexico 88240

Copy Number 2

Quality Control Review 

FIGURES


Approximate Site Location
Arkansas Junction
Refinery
Gravel Pits
Gravel Pit
County Airport
Hobbes
Radio Tower
Quarry
Monument
Indian Hill
Landing Strip
Refinery
MONUMENT JAL
OIL FIELD
Pipeline
Quarry
Gravel Pit
NW 1/4 NW 1/4 Sec. 20, T19S, R37E
ETGI
Figure 1
Site Location Map
EOTT Energy Corp.
TNM 98-S01
Lea County, NM
Environmental Technology Group, Inc.
Scale: NTS
Prep By: JDJ
Checked By: RE
February 24, 2002
ETGI Project # EO2067



LEGEND: NW 1/4, NW 1/4 Sec. 20 T19S, R37E

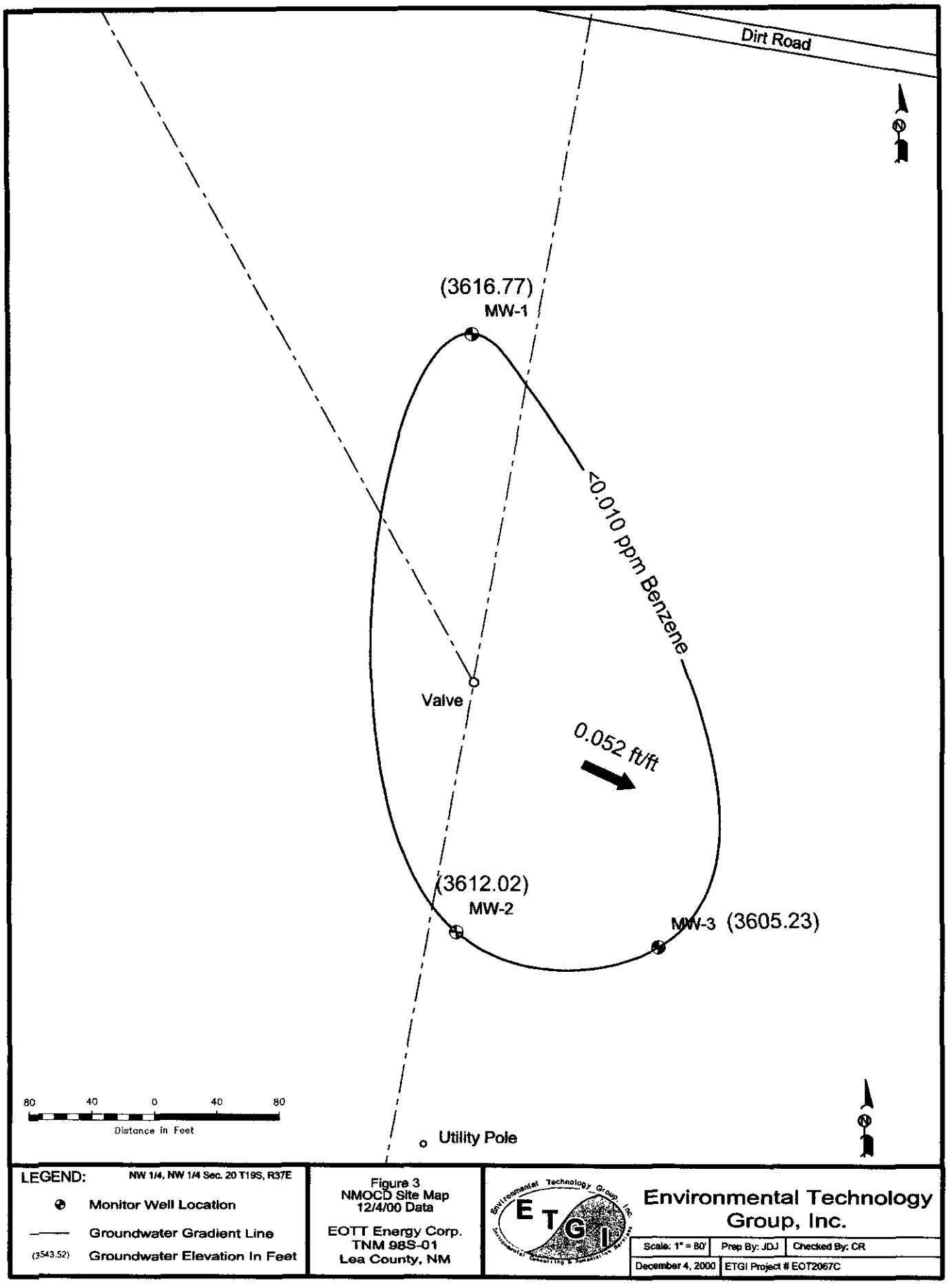
- Monitor Well Location
- Groundwater Gradient Line
- (3543.52) Groundwater Elevation In Feet

Figure 2
Site Groundwater Gradient Map (12/4/00)

EOTT Energy Corp.
TNM 98S-01
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 80'	Prep By: JDJ	Checked By: CR
December 4, 2000	ETGI Project # EOT2067C	


Dirt Road
(3616.77)
MW-1
<0.010 ppm Benzene
Valve
0.052 ft/ft
(3612.02)
MW-2
MW-3 (3605.23)
80 40 0 40 80
Distance in Feet
Utility Pole
LEGEND:
NW 1/4, NW 1/4 Sec. 20 T19S, R37E
Monitor Well Location
Groundwater Gradient Line
(3543.52) Groundwater Elevation In Feet
Figure 3
NMOCD Site Map
12/4/00 Data
EOTT Energy Corp.
TNM 98S-01
Lea County, NM
Environmental Technology Group, Inc.
Scale: 1" = 80'
Prep By: JDJ
Checked By: CR
December 4, 2000
ETGI Project # EOT2067C

TABLES

TABLE 1

GROUNDWATER ELEVATION TABLE

EOTT ENERGY, LLC
TNM 98-S01
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2067

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/13/99	3,634.38	-	17.54	0.00	3,616.84
	08/25/99	3,634.38	-	17.60	0.00	3,616.78
	12/14/99	3,634.38	-	17.90	0.00	3,616.48
	03/28/00	3,634.38	-	17.84	0.00	3,616.54
	06/20/00	3,634.38	-	17.76	0.00	3,616.62
	08/30/00	3,634.38	-	17.46	0.00	3,616.92
	12/04/00	3,634.38	-	17.61	0.00	3,616.77
MW - 2	05/13/99	3,633.96	-	21.81	0.00	3,612.15
	08/25/99	3,633.96	-	21.82	0.00	3,612.14
	12/14/99	3,633.96	-	22.21	0.00	3,611.75
	03/28/00	3,633.96	-	22.05	0.00	3,611.91
	06/20/00	3,633.96	-	21.91	0.00	3,612.05
	08/30/00	3,633.96	-	21.81	0.00	3,612.15
	12/04/00	3,633.96	-	21.94	0.00	3,612.02
MW - 3	05/13/99	3,631.79	-	26.33	0.00	3,605.46
	08/25/99	3,631.79	-	26.57	0.00	3,605.22
	12/14/99	3,631.79	-	26.81	0.00	3,604.98
	03/28/00	3,631.79	-	26.80	0.00	3,604.99
	06/20/00	3,631.79	-	26.78	0.00	3,605.01
	08/30/00	3,631.79	-	26.36	0.00	3,605.43
	12/04/00	3,631.79	-	26.56	0.00	3,605.23

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 98-SO1
LEA COUNTY, NEW MEXICO
ETGI PROJECT #EO 2067

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	01/28/99	<0.001	<0.001	<0.001	<0.002
	08/25/99	<0.001	<0.001	<0.001	<0.001
	12/14/99	<0.001	<0.001	<0.001	<0.001
	03/28/00	0.001	<0.001	<0.001	<0.001
	06/20/00	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	<0.001	<0.001	<0.001
MW - 2	01/28/99	<0.001	<0.001	<0.001	<0.002
	08/25/99	<0.001	<0.001	<0.001	<0.001
	12/14/98	<0.001	<0.001	<0.001	<0.001
	03/28/00	<0.001	<0.001	<0.001	<0.001
	06/20/00	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001
	12/04/00	0.001	<0.001	<0.001	<0.001
MW - 3	01/28/99	0.002	<0.001	<0.001	<0.002
	08/25/99	0.007	0.001	0.002	0.003
	12/14/99	0.002	0.002	0.002	0.006
	03/28/00	<0.001	<0.001	0.001	0.001
	06/20/00	<0.001	0.001	<0.001	<0.001
	08/30/00	0.003	<0.001	<0.001	<0.001
	12/04/00	<0.001	0.001	<0.001	<0.001
EB - 1	08/30/00	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	<0.001	<0.001	<0.001

Appendix A

Laboratory Reports

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 1015C
Project Name: TNM 98-501
Project Location: Monument , N.M.

Sampling Date: 03/28/00
Receiving Date: 03/28/00
Analysis Date: 3/28 & 3/29/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24390	MW 1	0.001	<0.001	<0.001	<0.001	<0.001
24391	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
24392	MW 3	<0.001	<0.001	0.001	0.001	<0.001
% IA		97	87	91	100	87
% EA		97	87	87	94	85
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

3-30-00
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 113

Project Manager: Jesse Tafoya
Phone #: (505) 664-5166
FAX #: (505) 392-3760

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

Project #: 607105C
Project Name: TNM98-501

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	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
24390	MW 1	2	✓	X					X		X			3-28-2000	1036	X							
24391	MW 2	↓	↓	↓					↓		↓			↓	1102	↓							
24392	MW 3	↓	↓	↓					↓		↓			↓	1054	↓							

Relinquished by:	Date:	Times:	Received by:
	3-28-00	1500	
	3/28/00	1730	
			Received by Laboratory:

REMARKS
Mail Results : K. Dutton
Invoice : Lennard Frost 1025m

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2015C
Project Name: TNM 98-S01
Project Location: Lea County, N.M.

Sampling Date: 06/20/00
Receiving Date: 06/23/00
Analysis Date: 06/27/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
27352	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
27353	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
27354	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
% IA		96	91	92	100	93
% EA		98	96	96	107	97
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

6-29-00
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 # 169

Project Manager: J TAYLOR	Phone #: (505) 397-4882 FAX #: (505) 397-4701
Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240	
Project #: EOT2015C	Project Name: TNM 98-801
Project Location: LEA CTY NM	Sampler Signature: Dan Dutton / Dina Cover

ANALYSIS REQUEST — 1 of 1

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/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
27352	MW-1	2	V	X					X		X			6/20	1050	X							
27353	MW-2	2	V	X					X		X				1025	X							
27354	MW-3	2	V	X					X		X				1110	X							

Relinquished by: Dan Dutton	Date: 23 Jun 00	Time: 1432	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: FR: (505) 397-4701 ATTN: KD

30F

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

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2067C
Project Name: TNM 98-S01
Project Location: Monument, N.M.

Sampling Date: 08/30/00
Receiving Date: 09/01/00
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
30307	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30308	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30309	MW 3	0.003	<0.001	<0.001	<0.001	<0.001	0.003
30310	EB 1	<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

Project Manager: BEN ALDRICH

Project Name: IN MI 98 SOI

Project Number: EOT 2067 C

Project Location: MONUMENT NM

Sampler Signature: Aaron Cano

ANALYSIS REQUEST
(Circle or Specify Method No.)
COC 215

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/[redacted]	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
30307	MW 1	2	V	X				X			X		8-30	1242	X											
30308	MW 2	↓	↓	↓				↓			↓		↓	1221	↓											
30309	MW 3													1300												
30310	EB 1													1315												

Relinquished by: Date: Time:
[signature] 9-1-00 1405

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Lab by: Date: Time:
[signature] 9-1-00 1705

REMARKS: 30°F
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
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/ -2.0 deg. C
Project #: EOT 2067C
Project Name: TNM 98-S01
Project Location: Monument, N.M.

Sampling Date: 12/04/00
Receiving Date: 12/09/00
Analysis Date: 12/09/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35151	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
35152	MW 2	0.001	<0.001	<0.001	<0.001	<0.001
35153	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
35154	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		102	105	104	111	104
%EA		94	100	98	104	100
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-12-00
Date

290 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) 682-2761

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: BETH ALDRICH

Project Name: TNM 98-S01

Project Number: EOT 2067C

Project Location: MONUMENT NM

Sampler Signature: Lemon Lucas

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
35151	MW 1	2	✓	X				X			X		12-4	1417	X											
35152	MW 2	↓	↓	↓				↓			↓		↓	1400	↓											
35153	MW 3													1435												
35154	EB 1	↓	↓	↓				↓			↓		↓	1500	↓											

Relinquished by: Lemon Lucas Date: 12-3-00 Time: 1500

Received by: Date: 12-4-00 Time: 12:30

Relinquished by: Date: 12-4-00 Time: 12:30

Received at Lab by: Date: 12/4/00 Time: 1230

REMARKS:

FAX RESULTS: HOBBS REC-2.6°C

MAIL RESULTS: EOTT

INVOICE: EOTT

LABELED TNM 98-02 ON SAMPLES, SHOULD BE TNM 98-S01

• LB 11/5

ANNUAL MONITORING REPORT

EOTT PIPELINE COMPANY
TNM 98-S01
LEA COUNTY, NEW MEXICO

1R-97

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 March 28, June 20, August 30, and December 4, 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 December 4, 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 0.049 ft/ft to the southeast as measured between ground water monitoring wells MW-2 and MW-3. The depth to ground water, as measured from the top of the well casing, ranged between 17.46 to 26.80 feet for the shallow alluvial aquifer.

LABORATORY RESULTS

Ground water samples collected during the 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.

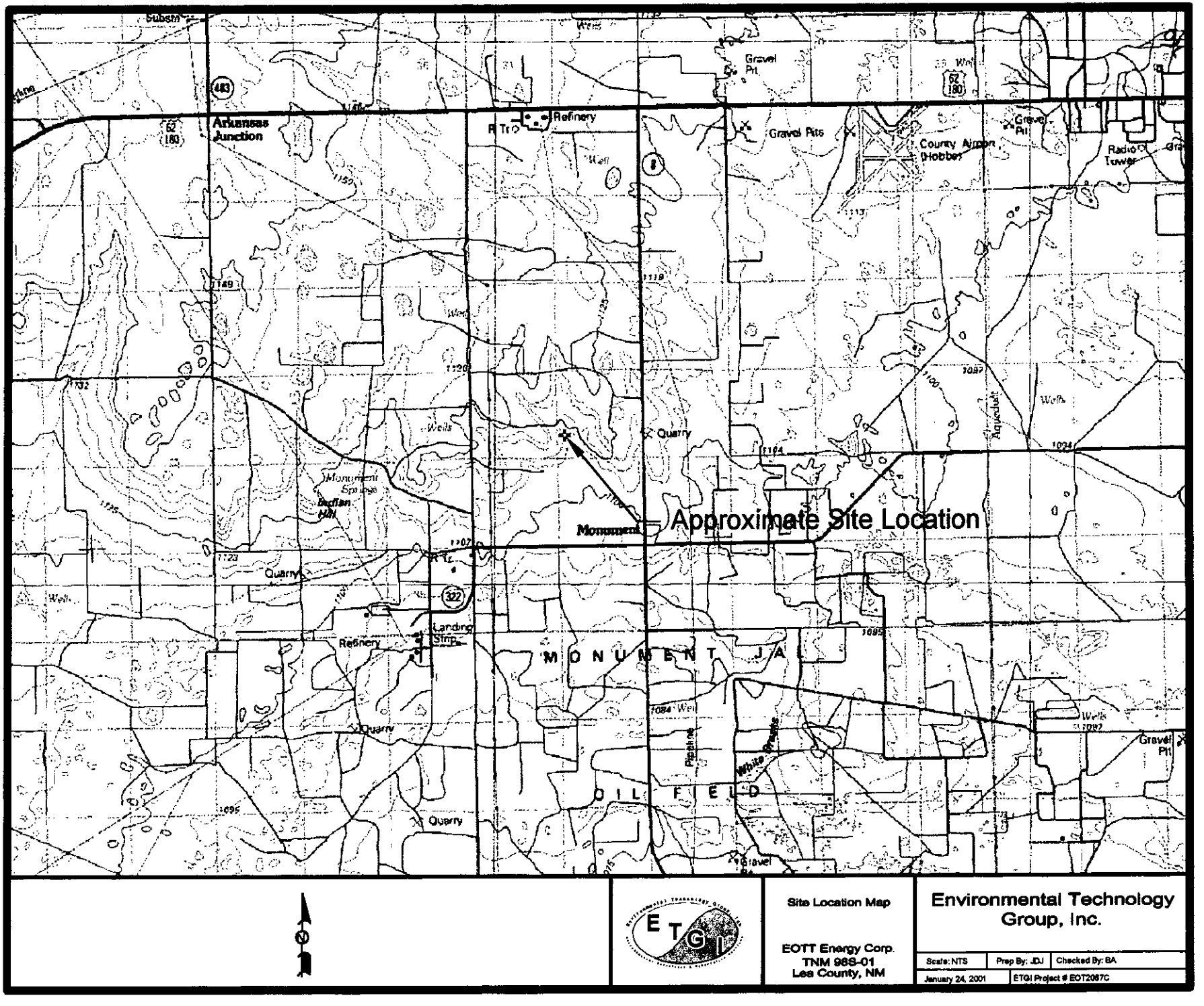
Laboratory results for all of the site ground water samples, obtained during the calendar year 2000 monitoring period, indicated that Benzene and BTEX concentrations were below regulatory standards for all of the on-site monitoring wells.

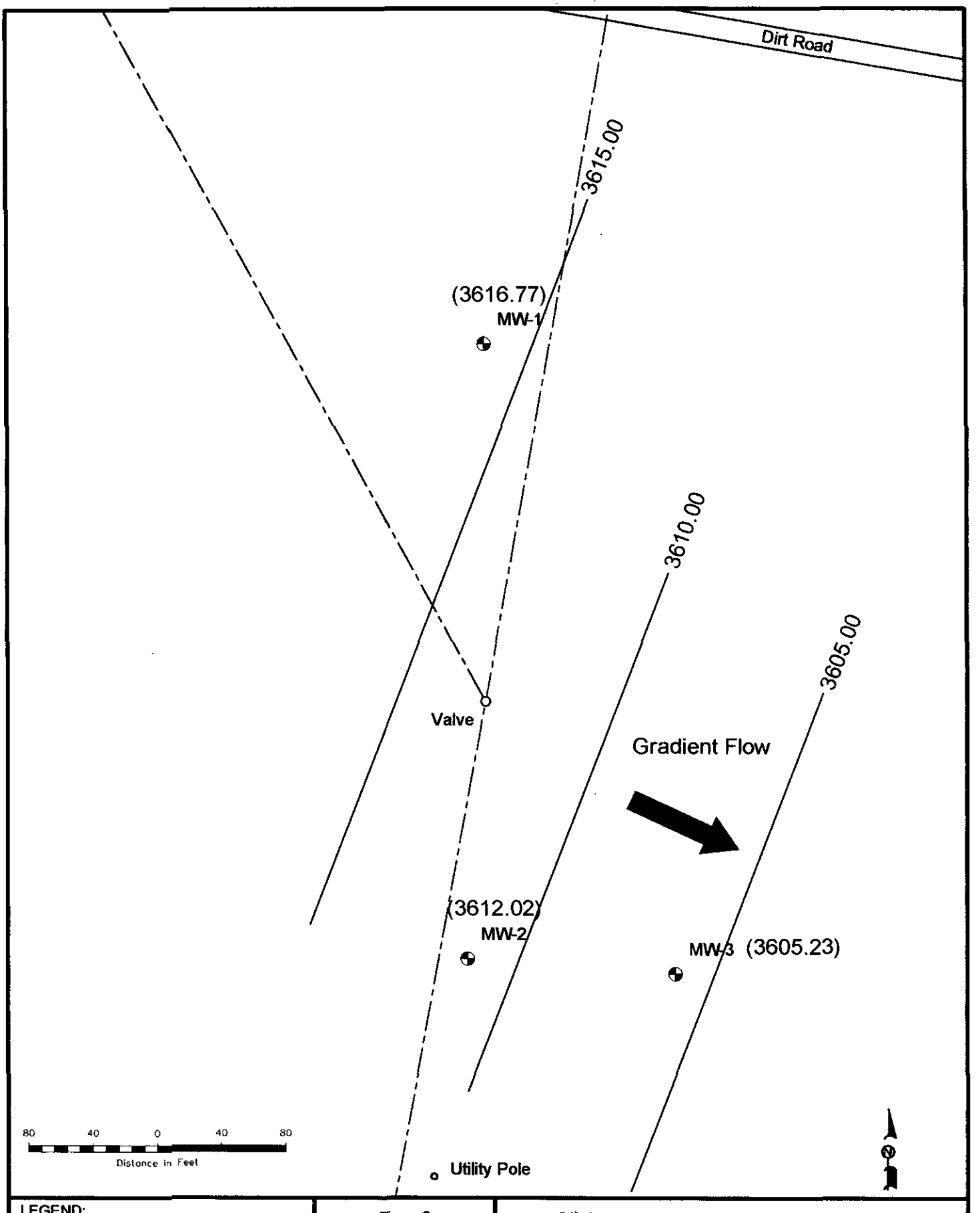
SUMMARY

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 0.049 ft/ft to the southeast as measured between ground water monitoring wells MW-2 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. An additional ground water monitoring well is scheduled to be installed at the release point in response to the OCD letter dated February 8, 2001. Contingent upon the laboratory results of the proposed monitoring well, a site closure request will be submitted to the OCD in the near future.

FIGURES


Approximate Site Location
Arkansas Junction
Refinery
Gravel Pits
Quarry
Monument
Landing Strip
Refinery
MONUMENT JAL
OIL FIELD
Quarry
Quarry
Gravel Pit
Site Location Map
EOTT Energy Corp.
TNM 98S-01
Lea County, NM
Environmental Technology Group, Inc.
Scale: NTS
Prep By: JDJ
Checked By: BA
January 24, 2001
ETGI Project # EOT2087C



LEGEND:

- Monitor Well Location
- Groundwater Gradient Line
- (3543.52) Groundwater Elevation in Feet

Figure 2
Site Groundwater Gradient Map (12/4/00)

EOTT Energy Corp.
TNM 98S-01
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 80'	Prep By: JDJ	Checked By: CR
December 4, 2000	ETGI Project # EOT2067C	

TABLES

TABLE 1

GROUND WATER ELEVATION TABLE
ANNUAL REPORT

EOTT ENERGY CORPORATION
TNM 98-S01
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT2067C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/28/00	3,634.38	-	17.84	0.00	3,616.54
	06/20/00	3,634.38	-	17.76	0.00	3,616.62
	08/30/00	3,634.38	-	17.46	0.00	3,616.92
	12/04/00	3,634.38	-	17.61	0.00	3,616.77
MW - 2	03/28/00	3,633.96	-	22.05	0.00	3,611.91
	06/20/00	3,633.96	-	21.91	0.00	3,612.05
	08/30/00	3,633.96	-	21.81	0.00	3,612.15
	12/04/00	3,633.96	-	21.94	0.00	3,612.02
MW - 3	03/28/00	3,631.79	-	26.80	0.00	3,604.99
	06/20/00	3,631.79	-	26.78	0.00	3,605.01
	08/30/00	3,631.79	-	26.36	0.00	3,605.43
	12/04/00	3,631.79	-	26.56	0.00	3,605.23

TABLE 2

GROUND WATER CHEMISTRY
ANNUAL REPORT

EOTT ENERGY CORPORATION
TNM 98-SO1
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2067C

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	03/28/00	0.001	<0.001	<0.001	<0.001	<0.001
	06/20/00	<0.001	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	03/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/00	<0.001	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/04/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	03/28/00	<0.001	<0.001	0.001	0.001	<0.001
	06/20/00	<0.001	0.001	<0.001	<0.001	<0.001
	08/30/00	0.003	<0.001	<0.001	<0.001	<0.001
	12/04/00	<0.001	0.001	<0.001	<0.001	<0.001

APPENDIX

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

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

SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1015C
Project Name: TNM 98-501
Project Location: Monument , N.M.

Sampling Date: 03/28/00
Receiving Date: 03/28/00
Analysis Date: 3/28 & 3/29/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24390	MW 1	0.001	<0.001	<0.001	<0.001	<0.001
24391	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
24392	MW 3	<0.001	<0.001	0.001	0.001	<0.001

% IA	97	87	91	100	87
% EA	97	87	87	94	85
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

3-30-00
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 113

Project Manager: Jesse Tavarez

Phone #: (505) 664-5166

FAX #: (505) 392-3760

Company Name & Address: ETGI

P.O. Box 4845 Midland TX 79704

Project #: EOT 105C

Project Name: TNM 98-501

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	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
	mw 1	2	✓	X					X		X			3-28-00	1036	X							
	mw 2														1102								
	mw 3														1054								

Relinquished by:	Date:	Times:	Received by:
	3-28-00	1500	
Relinquished by:	Date:	Times:	Received by:
	3/28/00	1730	
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

MAIL Results : K. Dutton

Invoice : Lennah Frost 105m

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2015C
Project Name: TNM 98-S01
Project Location: Lea County, N.M.

Sampling Date: 06/20/00
Receiving Date: 06/23/00
Analysis Date: 06/27/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
27352	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
27353	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
27354	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
% IA		96	91	92	100	93
% EA		98	96	96	107	97
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

Raland K. Tuttle

6-29-00
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# 169

Project Manager: J TAYLOR

Phone #: (505) 397-4882
FAX #: (505) 397-4701

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

Project #: EOT2015C

Project Name: TNM 98-501

Project Location: LEA CTY NM

Sampler Signature: Jim Dutton / Dina Cover

ANALYSIS REQUEST

1 of 1

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/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
27352	MW-1	2	V	X					X		X			6/20	1050	X							
27353	MW-2	2	V	X					X		X				1025	X							
27354	MW-3	2	V	X					X		X			↓	1110	X							

Relinquished by:	Date:	Time:	Received by:
	23 JUN 00	1430	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date	Time:	Received by Laboratory:

REMARKS

FR: (505) 397-4701
ATTN: ED

309

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

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2067C
Project Name: TNM 98-S01
Project Location: Monument, N.M.

Sampling Date: 08/30/00
Receiving Date: 09/01/00
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
30307	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30308	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30309	MW 3	0.003	<0.001	<0.001	<0.001	<0.001	0.003
30310	EB 1	<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.** Project...

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

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4682
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 215

Project Manager: BETH ALDRICH

Project Name: TNM 98-501

Project Number: EOT 2067C

Project Location: MONUMENT NM

Sampler Signature:

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/[illegible]	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	V	X				X			X		8-30	1242	X											
	MW 2	↓	↓	↓				↓			↓		↓	1221	↓											
	MW 3													1300												
	EB 1													1315												

Relinquished by: Date: Time:
[signature] 9-1-00 1400

Relinquished by: Date: Time:
[signature] 9-1-00 1400

Received by: Date: Time:

Received at Lab by: Date: Time:
[signature] 9-1-00 1705

REMARKS: 30°F
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
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/ -2.0 deg. C
Project #: EOT 2067C
Project Name: TNM 98-S01
Project Location: Monument, N.M.

Sampling Date: 12/04/00
Receiving Date: 12/09/00
Analysis Date: 12/09/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35151	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
35152	MW-2	0.001	<0.001	<0.001	<0.001	<0.001
35153	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
35154	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		102	105	104	111	104
%EA		94	100	98	104	100
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-12-00
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.)

Project Manager: BETH ALDRICH

Project Name: TNM 98-S01

Project Number: EOT 2067C

Project Location: MONUMENT NM

Sampler Signature: Lemar 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	✓	X				X			X		12-4	1417	X											
	MW 2													1400												
	MW 3													1435												
	EB 1													1500												

Relinquished by: Lemar Casas Date: 12-3-00 Time: 1500

Received by: Daryl Daf Date: 12-5-00 Time: 12:30

Relinquished by: Daryl Daf Date: 12-5-00 Time: 12:30

Received at Lab by: J. McInerney Date: 12-6-00 Time: 1230

REMARKS:

FAX RESULTS: HOBBS Rec-2.0°C
MAIL RESULTS: EOTT
INVOICE: EOTT
LABELED TNM 98-02 ON SAMPLES, SHOULD

ANNUAL MONITORING REPORT

EOTT PIPELINE COMPANY
TNM 98-S01
LEA COUNTY, NEW MEXICO

PREPARED FOR:

EOTT PIPELINE COMPANY
P. O. BOX
MIDLAND, TEXAS 79704

Ms. Lennah Frost

PREPARED BY:

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
4600 WEST WALL STREET
MIDLAND, TEXAS 79704

March 2000

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, a site location map is provided as Figure 1.

Ground water monitoring was conducted during four quarterly events in 1999 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.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on January 28, May 13, August 25, and December 14, 1999. 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. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Monitoring wells with a measurable presence of PSH were not sampled. 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).

GROUNDWATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on December 14, 1999, are depicted on Figure 2. The ground water elevation data are provided as Table 1. Groundwater elevation contours, generated from the final quarterly event of 1999 water level measurements, indicated a general gradient of approximately 0.045 ft/ft to the southeast. The depth to groundwater, as measured from the top of the well casing, ranged between 17.54 to 26.82 feet for the shallow alluvial aquifer. There was no PSH detected in any of the monitoring wells.

LABORATORY RESULTS

Ground water samples obtained during the first and second sampling events were mailed to Xenco Laboratories in San Antonio, Texas. Ground water samples collected during the third and fourth event 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 SW846-8020 and 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 1999 annual period, indicated that BTEX concentrations were below detection limits for monitoring wells MW-1 and MW-2. Benzene concentrations in samples collected from monitoring well MW-3 ranged from below detection limits for the first sampling event to 0.002 ml/L to 0.013 ml/L for the subsequent sampling events.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 1999. No PSH was detected in the site well during the four monitoring events.

Laboratory results for all of the site ground water samples, obtained during the 1999 annual period, indicated that BTEX concentrations were below detection limits for monitoring wells MW-1 and MW-2. Benzene concentrations in samples collected from monitoring well MW-3 ranged from below detection limits for the first sampling event to 0.002 ml/L to 0.013 ml/L for the subsequent sampling events.

FIGURES

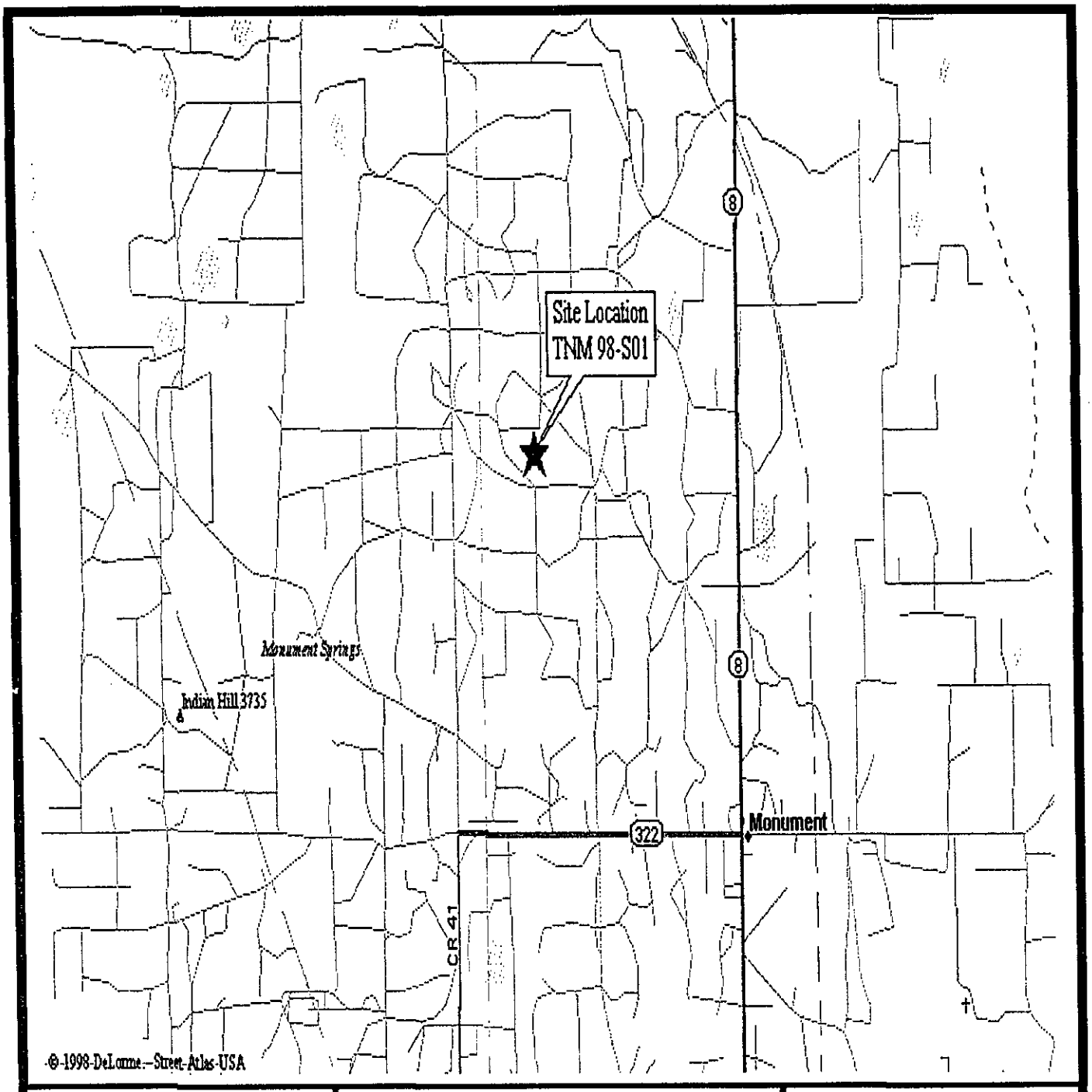
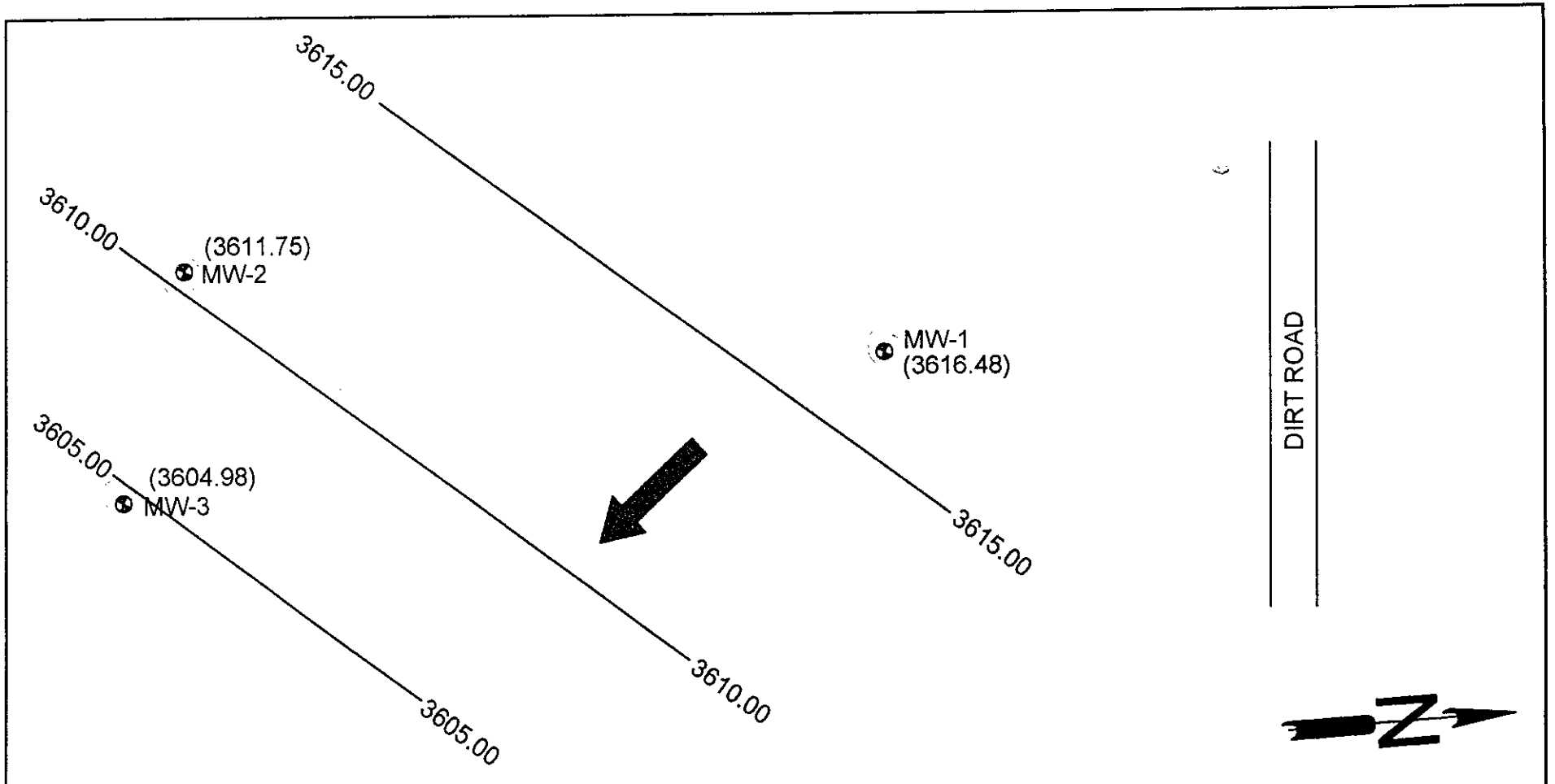


FIGURE 1	Site Location Map	Environmental Technology Group, Inc.
Not To Scale	EOTT Energy Corp. TNM 98-S01 Lea County NM	02 - 8 - 00 RS
		ETGI Project # EOT 1015C



LEGEND:

- Monitoring Well Locations
- Ground Water Contour Lines

Figure 2
Inferred Ground Water Contours 12/14/99

E.O.T.T. Energy
98S-01
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 85'	Prep By: RS	Checked By: JT
January 31, 2000	ETGI Project # 1015C	

TABLES

TABLE 1
GROUNDWATER ELEVATION TABLE
TNM 98-SO1
LEA COUNTY, NM
ETGI PROJECT# EOT1015C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	01/28/99	3,634.38	-	17.82	0.00	3,616.56
MW-1	05/13/99	3,634.38	-	17.54	0.00	3,616.84
MW-1	08/25/99	3,634.38	-	17.60	0.00	3,616.78
MW-1	12/14/99	3,634.38	-	17.90	0.00	3,616.48
MW-2	01/2[illegible]/99	3,633.96	-	21.99	0.00	3,611.97
MW-2	05/13/99	3,633.96	-	21.81	0.00	3,612.15
MW-2	08/25/99	3,633.96	-	21.82	0.00	3,612.14
MW-2	12/14/99	3,633.96	-	22.21	0.00	3,611.75
MW-3	01/28/99	3,631.79	-	26.82	0.00	3,604.97
MW-3	05/13/99	3,631.79	-	26.33	0.00	3,605.46
MW-3	08/25/99	3,631.79	-	26.57	0.00	3,605.22
MW-3	12/14/99	3,631.79	-	26.81	0.00	3,604.98

TABLE 2
GROUND WATER CHEMISTRY
TNM 98-S01
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT1015C

SAMPLE	SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	mp-XYLENE (mg/L)	o-XYLENE (mg/L)
MW-1	01/28/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	08-25-99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-1	12/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	01/28/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-2	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-2	08-25-99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	12/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	01/28/99	0.002	<0.001	<0.001	<0.002	<0.001
MW-3	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-3	08-25-99	0.007	0.001	0.002	0.001	0.002
MW-3	12/14/99	0.002	0.002	0.002	0.003	0.003

Methods: EPA SW 846-8020, 5030

APPENDIX A

XENCO Laboratories

11381 Meadowglen Suite L
Houston, Texas 77082-2647
(281) 589-0692 Fax: (281) 589-0695
Houston - Dallas - San Antonio - Latin America

February 3, 1999

Project Manager: Theresa Nix
KEI Consultants, Inc.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: **XENCO Report No.: -90391**
Project Name: TNMPL TNM-98-501
Project ID: 810004-1
Project Address: Monument, NM

Dear Theresa Nix:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -90391.N All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

All the results for the quality control samples passed thorough examination. Also, all parameters for data reduction and validation checked satisfactorily. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -90391N will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

XENCO operates under the A2LA guidelines. Our Quality System meets ISO/IEC Guide 25 requirements *which is strictly implemented and enforced through our standard QA/QC procedures.*

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

ANALYTICAL CHAIN OF CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Inc.

Project ID: 810004-1
Project Manager: Theresa Nix
Project Location: Monument, NM

Project Name: TNMPL TNM-98-501

XENCO COC#: -90391
Date Received in Lab: Feb 1, 1999 10:00 by LY
XENCO contact : Carlos Castro/Karen Olson

	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Date and Time: Sample Collected	Date and Time: Addition Requested	Date and Time: Extraction	Date and Time: Analysis
1	MW-1	90391-001	BTEX	SW-846	ppm	10 days	Jan 28, 1999 13:10		Feb 2, 1999 by HL	Feb 2, 1999 04:03 by HL
2	MW-2	90391-002	BTEX	SW-846	ppm	10 days	Jan 28, 1999 13:40		Feb 2, 1999 by HL	Feb 2, 1999 04:39 by HL
3	MW-3	90391-003	BTEX	SW-846	ppm	10 days	Jan 28, 1999 13:55		Feb 2, 1999 by HL	Feb 2, 1999 04:21 by HL

XENCO Laboratories
11381 Meadowglen Suite L
Houston, Texas 77082-2647
(281) 589-0692 Fax: (281) 589-0695
Houston - Dallas - San Antonio - Latin America

May 20, 1999

Project Manager: Stan Grover
KEI Consultants, Ltd.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: **XENCO Report No.: -91941**
Project Name: EOTT
Project ID: 810004-1-0
Project Address: Lea County, NM

Dear Stan Grover:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -91941.v All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

All the results for the quality control samples passed thorough examination. Also, all parameters for data reduction and validation checked satisfactorily. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -91941v will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

XENCO operates under the A2LA guidelines. Our Quality System meets ISO/IEC Guide 25 requirements which is strictly implemented and enforced through our standard QA/QC procedures.

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

ANALYTICAL CHAIN OF CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Ltd.

Project ID: *81000-1-0*
Project Manager: *Stan Grover*
Project Location: *Lea County, NM*

Project Name: EOTT

XENCO COC#: -91941
Date Received in Lab: *May 14, 1999 09:45 by JO*
XENCO contact : *Carlos Castro/Debbie Simmons*

	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Date and Time: Sample Collected	Date and Time: Addition Requested	Date and Time: Extraction	Date and Time: Analysis
1	MW-1	91941-001	BTEX	SW-846	ppm	7 days	May 13, 1999 11:45		May 18, 1999 by MGC	May 18, 1999 18:02 by MG
2	MW-2	91941-002	BTEX	SW-846	ppm	7 days	May 13, 1999 13:00		May 18, 1999 by MGC	May 18, 1999 18:24 by MG
3	MW-3	91941-003	BTEX	SW-846	ppm	7 days	May 13, 1999 12:30		May 19, 1999 by MGC	May 19, 1999 09:06 by MG

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TNM 98-501

FIELD TECHNICIAN: KD

DATE: 25 Aug 99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW-1	0935	28.35	17.60	10.75	.16	1.72	5.16	3.0	0955	0 -69mv	PH 6.94	C 1306 μs
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			8-25		T 19.7	DO 0.96
MW-2	0830	29.22	21.82	7.40	.16	1.18	3.55	3.0	0850	0 - 82mv	PH 7.12	C 942.0 μs
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			8-25		T 20.2	DO 1.64
MW-3	0905	31.05	26.57	4.48	.16	0.716	2.15	3.0	0920	0 -94mv	PH 6.80	C 1403 μs
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			8-25		T 19.6	DO 0.74
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						

Total Removed: 10.86 gal.

DRUMS ON SITE:

CARBON DRUM TRAILER: (yes/no)

DISCHARGE SAMPLE (time/date):

pH:

COMMENTS: DO: mg/L COC: 008

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

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: TNM 98-S01
Project Name: None Given
Project Location: Lea County, N.M.

Sampling Date: 08/25/99
Receiving Date: 08/27/99
Analysis Date: 08/27/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
19608	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
19609	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
19610	MW-3	0.007	0.001	0.002	0.001	0.002
% IA		97	92	93	91	92
% EA		97	89	85	86	86
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K. Tuttle

9-2-99
Date

COC: 005

P 1 of 1

Environmental Lab of Texas, Inc.

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

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

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

Project #: TNM 98-S01

Project Name: —

Project Location: LEA COUNTY NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE 1999	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
19608	MW-1	2	✓	X					X		X			8-25	0955	X							
19609	MW-2	2	✓	X					X		X			8-25	0859	X							
19610	MW-3	2	✓	X					X		X			8-25	0920	X							

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	26 Aug 99	0845	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date: 8/27/99	Times: 10:30	Received by Laboratory: Celia Keene

REMARKS: MAIL RESULTS TO:
KEN DUTTON
1606 W. CALLE SUR, APT B
HOBBS, NM 88240-0985

INVOICE TO: LENNAH FROST PO# 1015M

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -90391

KEI Consultants, Inc.

Project Name: TNMPL TNM-98-501

Project ID: 810004-1
Project Manager: Theresa Nix
Project Location: Monument, NM

Date Received in Lab : Feb 1, 1999 10:00
Date Report Faxed: Feb 3, 1999
XENCO contact : Carlos Castro/Karen Olson

Analysis Requested	*Lab ID:*	90391 001	90391 002	90391 003	
	Field ID:	MW-1	MW-2	MW-3	
	Depth:				
	Matrix:	Liquid	Liquid	Liquid	
	Sampled:	01/28/99 13:10	01/28/99 13:40	01/28/99 13:55	
BTEX EPA 8021B	*Analyzed:*	02/02/99	02/02/99	02/02/99	
	Units:	ppm R.L.	ppm R.L.	ppm R.L.	
Benzene		< 0.001 (0.001)	< 0.001 (0.001)	0.002 (0.001)	
Toluene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	
Ethylbenzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	
m,p-Xylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	
o-Xylene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	
Total BTEX		N.D.	N.D.	0.002	

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

Certificate Of Quality Control for Batch : 19A25A54

SW- 846 5030/8021B BTEX

Date Validated: Feb 2, 1999 16:00
Date Analyzed: Feb 1, 1999 21:44

Analyst: HL
Matrix: Liquid

	BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY										
Parameter	[A] Blank Result ppm	[B] Blank Spike Result ppm	[C] Blank Spike Duplicate *Result* ppm	[D] Blank Spike *Amount* ppm	[E] Detection Limit ppm	Blank Limit Relative *Difference* %	[F] QC Spike Relative *Difference* %	[G] QC Blank Spike *Recovery* %	[H] QC B.S.D. *Recovery* %	[I] Blank Spike Recovery Range %	[J] Qualifier
Benzene	< 0.0010	0.1030	0.1080	0.1000	0.0010	20.0	4.7	102.9	107.9	65-135	
Toluene	< 0.0010	0.1010	0.1080	0.1000	0.0010	20.0	6.7	100.9	107.9	65-135	
Ethylbenzene	< 0.0010	0.1000	0.1070	0.1000	0.0010	20.0	6.8	100.0	107.0	65-135	
m,p-Xylene	< 0.0020	0.2030	0.2160	0.2000	0.0020	20.0	6.2	101.5	108.0	65-135	
o-Xylene	< 0.0010	0.1030	0.1090	0.1000	0.0010	20.0	5.7	102.9	108.9	65-135	

Spike Relative Difference [F] = 200*(B-C)/(B+C)
Blank Spike Recovery [G] = 100*(B-A)/[D]
B.S.D. = Blank Spike Duplicate
B.S.D. Recovery [H] = 100*(C-A)/[D]
N.D. = Below detection limit or not detected
All results are based on MDL and validated for QC purposes

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

☐ 11381 Meadowglen, Suite L, Houston TX 77082 281-589-0692
☒ 5309 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD
On-LINE Help & Technical Services at XENCO.com

14563

Company COC No: 249 Work Order No: Page 1 of 1

Company: KEI	Phone: (210) 680-3765
Project Name: TNMPL TNM-98-501 ☒ Previously done at XENCO	Project ID: 810004-1
Location: MONUMENT, NM	
Project Manager (PM): NELESH NIX	Project Director (PD):
Fax Results to: ☒ PM and / or	Fax: (210) 680-3765
Invoice to: ☒ Accounting ☐ Include Invoice with Final Report Attn PM ☒ Invoice	
must have a P.O Bill to: 810004-1	
Quote No.	P.O No / ☐ Call for a P.O.
Special DLs (RR I RR II DW QAPP See Lab PM Call Proj. PM)	
Specifications	
Sampler Name: DEWAYNE AMEELINE	Signature:

Lab Only: 90391-SA

TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days

Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix A P S W	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8020	BTEX-MTBE by 8020 8021 8260 602 624 Other	TPH by TX1005 418.1 8015GRO 8015DRO 8015JetF	PAHs by 8270 8100 8310	METALS by 6010 6RCRA Tot Pb TCLP8 13PP 23TAL See List	VOAs by 8260 624 BTEX MTBE PPs TCL See List Call PM	SVOAs by 8270 625 PAHs BN&A TCL PPs See List Call PM	TAT 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Analysis	Remarks
1 MW-1	1/28/99	1310		W		X	2	V	GA	H	X							X			
2 MW-2	↓	1340		↓		↓	↓	↓	↓	↓	↓							↓			
3 MW-3	↓	1355		↓		↓	↓	↓	↓	↓	↓							↓			
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Lab Only Additions: From: Rcv by: Date | From: Rcv by: Date | From: Rcv by: Date

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
1		
2		
3	Lab:	2/1/99 10:00

Total Containers per COC:
Rush TATs Fax Due: Final Fax Due:
Final Report Data Package Due Date:
Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO4 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) _____

SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (.5), Tedlar Bag (B), Wipe (W), Other _____ TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -91941

KEI Consultants, Ltd.

Project Name: EOTT

Project ID: *810004-1-0*
Project Manager: *Stan Grover*
Project Location: *Lea County, NM*

Date Received in Lab : *May 14, 1999 09:45*
Date Report Faxed: *May 20, 1999*
XENCO contact : *Carlos Castro/Debbie Simmons*

Analysis Requested	Lab ID: / Field ID: / Depth: / Matrix: / Sampled:	91941 001 MW-1 Liquid 05/13/99 11:45	91941 002 MW-2 Liquid 05/13/99 13:00	91941 003 MW-3 Liquid 05/13/99 12:30
BTEX EPA 8021B	Analyzed: / Units:	05/18/99 ppm R.L.	05/18/99 ppm R.L.	05/19/99 ppm R.L.
Benzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		N.D.	N.D.	N.D.

Eddie L. Clemons, II
QA/QC Manager

XEN Laboratories

Certificate Of Quality Control for Batch : 19A03C11

SW- 846 5030/8021B BTEX

Date Validated: May 19, 1999 14:00
Date Analyzed: May 18, 1999 12:23

Analyst: MG
Matrix: Liquid

BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY

Parameter	[A] Blank Result ppm	[B] Blank Spike Result ppm	[C] Blank Spike Duplicate Result ppm	[D] Blank Spike Amount ppm	[E] Detection Limit ppm	Blank Limit Relative Difference %	[F] QC Spike Relative Difference %	[G] QC Blank Spike Recovery %	[H] QC B.S.D. Recovery %	[I] Blank Spike Recovery Range %	[J] Qualifier
Benzene	< 0.0010	0.0961	0.0933	0.1000	0.0010	20.0	3.0	96.1	93.3	65-135	
Toluene	< 0.0010	0.0947	0.0920	0.1000	0.0010	20.0	2.9	94.7	92.0	65-135	
Ethylbenzene	< 0.0010	0.1030	0.1001	0.1000	0.0010	20.0	2.9	103.0	100.1	65-135	
m,p-Xylene	< 0.0020	0.1958	0.1907	0.2000	0.0020	20.0	2.6	97.9	95.4	65-135	
o-Xylene	< 0.0010	0.0922	0.0900	0.1000	0.0010	20.0	2.4	92.2	90.0	65-135	

Spike Relative Difference [F] = 200*(B-C)/(B+C)
Blank Spike Recovery [G] = 100*(B-A)/[D]
B.S.D. = Blank Spike Duplicate
B.S.D. Recovery [H] = 100*(C-A)/[D]
N.D. = Below detection limit or not detected
All results are based on MDL and validated for QC purposes

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

☐ 11381 Meadowglen, Suite I, Houston TX 77082 281-589-0692
☒ 5309 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

On-LINE Help & Technical Services at XENCO.com

./607

Company COC No: 338 Work Order No: Page / of /

Company: KET (210) 680-3767 Phone

Project Name: ECTT ☐ Previously done at XENCO Project ID: 810004-1-0

Location: LEA COUNTY NM

Project Manager (PM): S GROVER Project Director (PD): M. HAWTHORNE

Fax Results to: ☒ PM and / or (210) 680-3763 Fax

Invoice to ☐ Accounting ☐ Include Invoice with Final Report Attn PM ☐ Invoice must have a P.O Bill to:

Quote No. P.O No ☒ Call for a P.O.

Special DIs (RRT RRII DW QAPP See Lab PM Call Proj. PM)

Specifications

Sampler Name: Ken Dutton Signature:

Lab Only: 91941 - SA

TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days

	Sample ID	Sampling Date	Time	Depth ft in m	Matrix A P S W	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8020	8021 8260 632 624 Other	BTEX-MTBE by 8020 8021 8260 602 624 Other	TPH by TX1005 418.1 8015GRO 8015DRO 8015JetF	PAHs by 8270 8100 8310	METALS by 6010 6RCRA Tot Pb TCLP8 13PP 23TAL See List	VOAs by 8260 624 BTEX MTBE PPs TCL See List Call PM	SVOAs by 8270 625 PAHs BN&A TCL PPs See List Call PM	TAT 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d	Addn: PAH above mg/L W. mg/Kg S Highest Hit	Hold Analysis
1	MW-1	13 MAY 99	1145		W		X	2	V	GA	HC4	X										
2	MW-2	↓	1300																			
3	MW-3		1230																			
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Remarks: QUESTIONS S GROVER (210) 680-3767

Lab Only Additions: Date / Rcv by: From:

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
1		13 MAY 99 1615
2		
3	Lab: Johnny Ozora	5/14/99 9:45

Total Containers per COC: 6

Rush TATs Fax Due: Final Fax Due:

Final Report Data Package Due Date:

Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO4 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O)

SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1l (1), 500ml (.5), Ziploc Bag (B), Wipe (W), Other TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O)

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TNM 98-501 FIELD TECHNICIAN: SC DATE: 12-14-99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW1	1239	28.35	17.90	10.45	.16	1.67	5.01	3.0	12-14 1248	DO 0.48	T 17.1 pH 6.78	C 1299 us O 168 mV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW2	1152	29.25	22.21	7.04	.16	1.12	3.37	3.0	12-14 1205	DO 0.54	T 66.7 pH 6.29	C 928.2 us O 196 mV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW 3	1217	31.05	26.81	4.24	.16	0.67	2.03	3.0	12-14 1225	DO 0.52	T 17.6 pH 6.52	C 1209 us O 179 mV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap.	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap.	Casing:	Lock:	Manway/Pad						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad.						

Total Removed: _____ gal.

RUMS ON SITE: _____

ARBON DRUM TRAILER: (yes/no) _____

SCHARGE SAMPLE (time/date): _____

: _____

COMMENTS: _____

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 #: EOT1015C
Project Name: TNM 98-501
Project Location: Monument, N.M.

Sampling Date: 12/14/99
Receiving Date: 12/17/99
Analysis Date: 12/18/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22416	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
22417	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
22418	MW-3	0.002	0.002	0.002	0.003	0.003
% IA		104	100	101	102	101
% EA		91	89	89	90	89
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

12-21-99
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 053

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 505-3760

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

Project #: EOT 1015 C

Project Name: TNM 98-501

Project Location: Monument, NM

Sampler Signature: Simon Cano

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 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
22416	MW 1	2	✓	X					X		X			12-14-99	1248	X							
22417	MW 2	↓	↓	↓					↓		↓			↓	1205								
22418	MW 3	↓	↓	↓					↓		↓			↓	1225								

Relinquished by:	Date:	Time:	Received by:
Simon Cano	12-16-99		
Relinquished by:	Date:	Time:	Received by:
	12-17-99	1340	D McNamara
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
Please Result. M. Dunn

Invoice: Lennah Frost 1015C1

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ENVIRONMENTAL TECHNOLOGY GROUP, INC.
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P.O. BOX 4845
MIDLAND, TEXAS 79704
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Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1015C
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22417	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
22418	MW-3	0.002	0.002	0.002	0.003	0.003
% IA		104	100	101	102	101
% EA		91	89	89	90	89
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

12-21-99
Date