1R - 123

REPORTS

DATE:

04-2001

AS 11/5

NSL

ANNUAL MONITORING REPORT

EOTT PIPELINE COMPANY
MONUMENT 17
LEA COUNTY, NEW MEXICO

1R-123

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 and phase-separated petroleum hydrocarbon (PSH) constituents. The ground water 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. Monitoring wells containing measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on January 17, April 10, August 31, and December 18, 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 18, 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 0.002 ft/ft to the southeast as measured between ground water monitoring wells MW-1 and MW-8. The depth to ground water, as measured from the top of the well casing, ranged between 17.44 to 22.64 feet for the shallow alluvial aquifer.

A measurable thickness of PSH was detected in monitoring well MW-7 during the annual monitoring period. A maximum thickness of 1.00 foot was measured and is shown on Table 1.

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 at or below method detection limits for monitoring wells MW-4, MW-5, MW-6, and MW-8. The Benzene concentrations contained in the ground water samples from monitoring wells MW-1, MW-2, and MW-3 were above regulatory standards. The BTEX concentrations contained in the ground water samples from monitoring wells MW-1, MW-2, and MW-3 were below regulatory standards.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2000. A measurable thickness of PSH was detected in monitoring well MW-7 during the annual monitoring period. A maximum thickness of 1.00 foot was measured in this monitoring well.

Ground water elevation contours, generated from the final quarterly event of 2000 water level measurements, indicated a general gradient of approximately 0.002 ft/ft to the southeast as measured between ground water monitoring wells MW-1 and MW-8.

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 at or below method detection limits for monitoring wells MW-4, MW-5, MW-6, and MW-8. The Benzene concentrations contained in the ground water samples from monitoring wells MW-1, MW-2, and MW-3 were above regulatory standards. The BTEX concentrations contained in the ground water samples from monitoring wells MW-1, MW-2, and MW-3 were below regulatory standards.

FIGURES

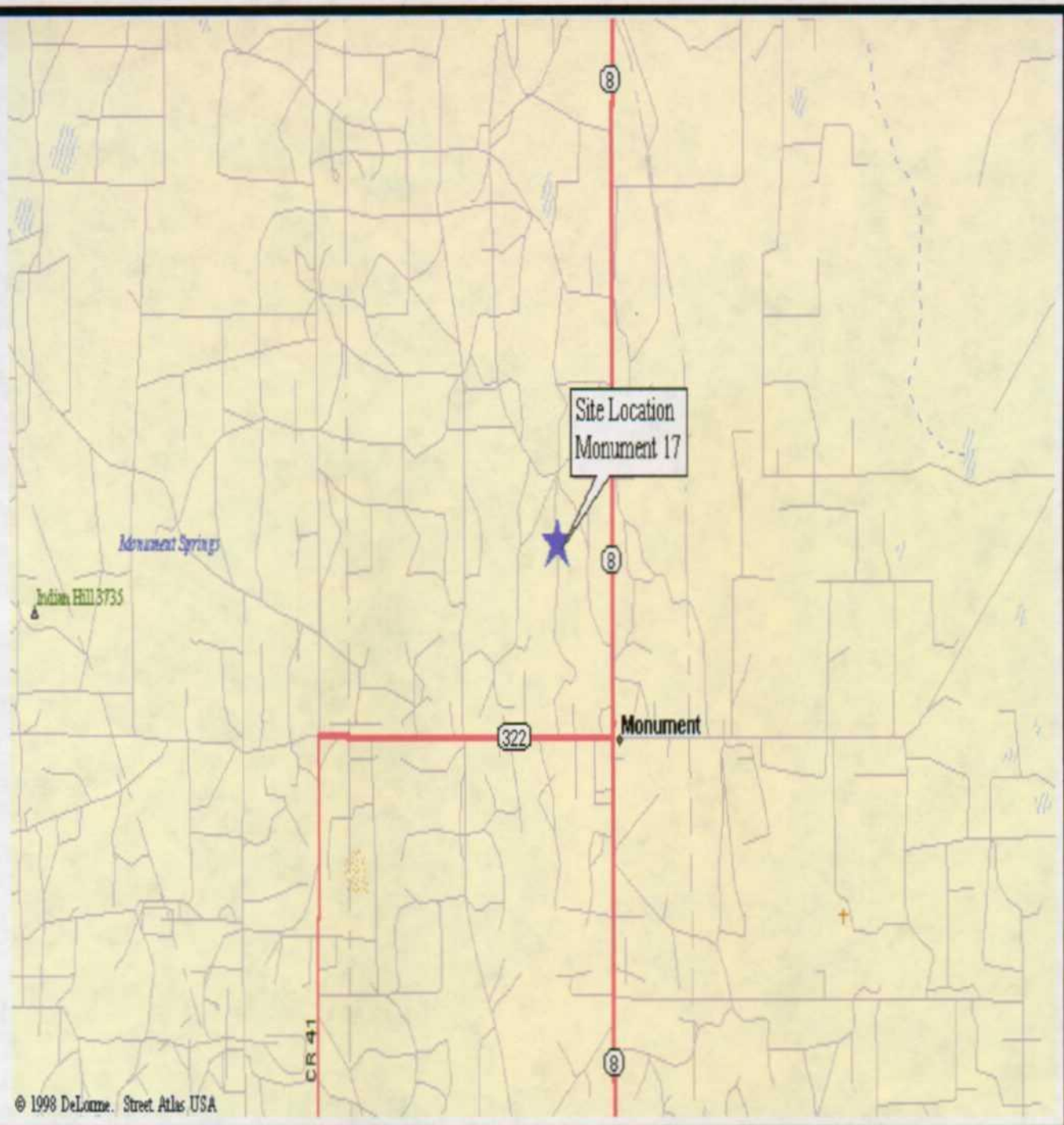
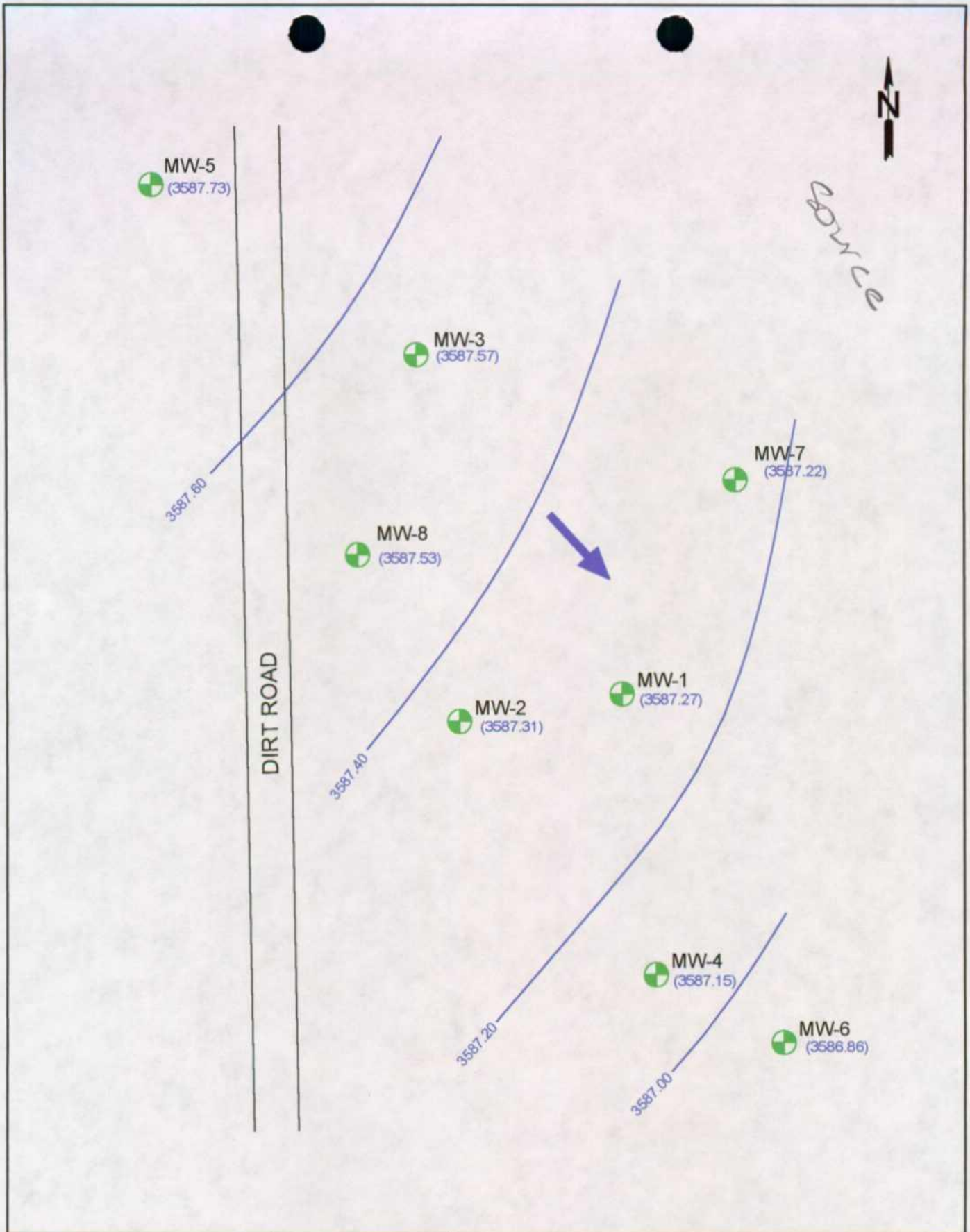


FIGURE 1	Site Location Map	Environmental Technology Group, Inc.
Not To Scale	EOTT Energy Corp. Monument 17 Lea County, NM	02 - 09 - 00 RS
		ETGI Project # EOT2064C



LEGEND:

- Monitoring Well Locations
- Ground Water Contour Lines

Figure 2
Site Groundwater Gradient Map (12/18/00)

E.O.T.T. Energy
Monument 17
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 75'	Prep By: RS	Checked By: JT
December 18, 2000	ETGI Project #: EOT2064C	

TABLES

TABLE 1

GROUND WATER ELEVATION
ANNUAL REPORT

EOTT ENERGY CORPORATION
MONUMENT 17
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT2064C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/17/00	3,607.16	-	19.95	0.00	3,587.21
	04/10/00	3,607.16	-	20.08	0.00	3,587.08
	08/31/00	3,607.16	-	19.71	0.00	3,587.45
	12/18/00	3,607.16	-	19.89	0.00	3,587.27
MW - 2	01/17/00	3,607.08	-	19.82	0.00	3,587.26
	04/10/00	3,607.08	-	19.94	0.00	3,587.14
	08/31/00	3,607.08	-	19.57	0.00	3,587.51
	12/18/00	3,607.08	-	19.77	0.00	3,587.31
MW - 3	01/17/00	3,608.43	-	20.92	0.00	3,587.51
	04/10/00	3,608.43	-	21.06	0.00	3,587.37
	08/31/00	3,608.43	-	20.64	0.00	3,587.79
	12/18/00	3,608.43	-	20.86	0.00	3,587.57
MW - 4	01/17/00	3,606.12	-	19.02	0.00	3,587.10
	04/10/00	3,606.12	-	19.12	0.00	3,587.00
	08/31/00	3,606.12	-	18.80	0.00	3,587.32
	12/18/00	3,606.12	-	18.97	0.00	3,587.15
MW - 5	01/17/00	3,610.17	-	22.55	0.00	3,587.62
	04/10/00	3,610.17	-	22.64	0.00	3,587.53
	08/31/00	3,610.17	-	22.22	0.00	3,587.95
	12/18/00	3,610.17	-	22.44	0.00	3,587.73
MW - 6	01/17/00	3,604.44	-	17.63	0.00	3,586.81
	04/10/00	3,604.44	-	17.72	0.00	3,586.72
	08/31/00	3,604.44	-	17.44	0.00	3,587.00
	12/18/00	3,604.44	-	17.58	0.00	3,586.86
MW - 7	01/17/00	3,607.38	20.25	20.30	1.00	3,587.93
	04/10/00	3,607.38	20.36	20.41	0.05	3,587.01
	08/31/00	3,607.38	19.99	19.99	0.00	3,587.39
	12/18/00	3,607.38	20.16	20.16	0.00	3,587.22
MW - 8	01/17/00	3,607.99	-	20.55	0.00	3,587.44
	04/10/00	3,607.99	-	20.68	0.00	3,587.31
	08/31/00	3,607.99	-	20.26	0.00	3,587.73
	12/18/00	3,607.99	-	20.46	0.00	3,587.53

TABLE 2

GROUND WATER CHEMISTRY
ANNUAL REPORT

EOTT ENERGY CORPORATION
MONUMENT 17
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2064C

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	01/17/00	0.153	0.008	0.044	0.016	0.006
	04/10/00	0.059	0.003	0.002	0.003	0.002
	08/31/00	0.132	0.002	<0.001	0.001	0.001
	12/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	01/17/00	0.002	<0.001	<0.001	<0.001	<0.001
	04/10/00	0.011	0.004	0.001	0.002	0.001
	08/31/00	0.107	0.005	0.006	<0.001	<0.001
	12/18/00	0.003	<0.001	<0.001	<0.001	<0.001
MW - 3	01/17/00	0.005	0.002	<0.001	0.002	<0.001
	04/10/00	0.033	0.005	0.003	0.003	0.002
	08/31/00	0.029	<0.001	0.001	<0.001	<0.001
	12/18/00	0.028	0.002	0.001	<0.001	<0.001
MW - 4	01/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/10/00	<0.001	<0.001	<0.001	0.001	<0.001
	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	01/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/10/00	<0.001	<0.001	<0.001	0.001	<0.001
	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	01/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/10/00	<0.001	<0.001	<0.001	0.001	<0.001
	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	01/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/10/00	<0.001	<0.001	<0.001	0.001	<0.001
	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/18/00	<0.001	<0.001	<0.001	<0.001	<0.001

APPENDIX

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1015C
Project Name: Monument 17
Project Location: Monument, N.M.

Sampling Date: 01/17/00
Receiving Date: 01/26/00
Analysis Date: 1/26 - 1/27/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
23119	MW-1	0.153	0.008	0.044	0.016	0.006
23120	MW-2	0.002	<0.001	<0.001	<0.001	<0.001
23121	MW-3	0.005	0.002	<0.001	0.002	<0.001
23122	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
23123	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
23124	MW-6	<0.001	<0.001	<0.001	<0.001	<0.001
23125	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	92	90	88	90	88
	% EA	105	87	86	88	85
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

1-28-00
Date

Environmental Lab of Texas, Inc.

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

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

072

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

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

Project #: EOT 1015 C
Project Name: Monument 17

Project Location: Monument, NM
Sampler Signature: Lennah Cross

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
	MW1	2	✓	X					X		X			1-17	1216	X							
	MW2														1141								
	MW3														1105								
	MW4														1235								
	MW5														1050								
	MW6														1320								
	MW8	↓	↓	↓					↓		↓			↓	1120	↓							

Relinquished by:	Date:	Time:	Received by:
Lennah Cross			
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
Mail Results: K. Dutton

Invoice: Lennah Frost 1015m

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1015C
Project Name: Monument 17
Project Location: Monument

Sampling Date: 04/10/00
Receiving Date: 04/12/00
Analysis Date: 4/19/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24805	MW-1	0.059	0.003	0.002	0.003	0.002
24806	MW-2	0.011	0.004	0.001	0.002	0.001
24807	MW-3	0.033	0.005	0.003	0.003	0.002
24808	MW-4	<0.001	<0.001	<0.001	0.001	<0.001
24809	MW-5	<0.001	<0.001	<0.001	0.001	<0.001
24810	MW-6	<0.001	<0.001	<0.001	0.001	<0.001
24811	MW-8	<0.001	<0.001	<0.001	0.001	<0.001
	% IA	97	95	94	101	94
	% EA	100	96	96	101	93
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

4-20-00
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 # 122

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

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

Project #: EOT 1015C
Project Name: Monument 17

Project Location: Monument
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 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TOS	RCI
	MW 1	2	V	X					X		X			4-10	1035	X							
	MW 2														1122								
	MW 3														1020								
	MW 4														1105								
	MW 5														1003								
	MW 6														1050								
	MW 9														1145								

Relinquished by:	Date:	Times:	Received by:
Simon Cano	4-12-00	0900	Rebecca Jett
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

Mail Results K. Dutton

EOTT

Invoice ~~Lonnie Frost~~ 1015 M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 2064C
Project Name: Monument 17
Project Location: Monument, N.M.

Sampling Date: 08/31/00
Receiving Date: 09/01/00
Analysis Date: 09/06/00

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
30318	MW 1	0.132	0.002	<0.001	0.001	0.001	0.136
30319	MW 2	0.107	0.005	0.006	<0.001	<0.001	0.118
30320	MW 3	0.029	<0 001	0.001	<0.001	<0.001	0.030
30321	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30322	MW 5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30323	MW 6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30324	MW 8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30325	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	96	94	96	98	92
% EA	95	94	95	95	91
BLANK	<0.001	<0 001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-12-00
Date

Environmental Technology Group, Inc. — ETGI — Environmental Consulting & Remediation Services

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

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

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)
COC 218

Project Manager: BETH KEDRICH

Project Name: MONUMENT 17

Project Number: EOT 2464C

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
30318	MW 1	2	✓	X				X			X		8-31	1200	X											
30319	MW 2	↓	↓	↓				↓			↓		↓	1240	↓											
30320	MW 3													1145												
30321	MW 4													1225												
30322	MW 5													1125												
30323	MW 6													1210												
30324	MW 8													1300												
30325	EB 1	↓	↓	↓				↓			↓		↓	1318	↓											

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Simon Casas	9-1-00	1400			
Relinquished by:	Date	Time:	Received at Lab by:	Date:	Time:
	9-1-00	1400		9-1-00	1705

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

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

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ -0.5 deg. C
Project #: EOT 2064C
Project Name: Monument 17
Project Location: Monument, N.M.

Sampling Date: 12/18/00
Receiving Date: 12/22/00
Analysis Date: 12/28/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35609	MW 1	<0.001	<0.001	<0.001	<0.001	<0 001
35610	MW 2	0.003	<0.001	<0.001	<0.001	<0.001
35611	MW 3	0.028	0.002	0.001	<0.001	<0.001
35612	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001
35613	MW 5	<0.001	<0.001	<0.001	<0.001	<0.001
35614	MW 6	<0.001	<0.001	<0.001	<0.001	<0.001
35615	MW 8	<0.001	<0 001	<0.001	<0.001	<0.001
35616	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		100	96	99	104	102
%EA		86	87	91	94	88
BLANK		<0 001	<0.001	<0.001	<0.001	<0 001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-29-00
Date

[redacted] Page [redacted]

Environmental Techno. 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) 397-4882
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: BETH ALDRICH

Project Name: MONUMENT 17

Project Number: EOT 2064C

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
	MW 1	2	V	X				X			X		12-18	1105	X											
	MW 2													1213												
	MW 3													1044												
	MW 4													1155												
	MW 5													1030												
	MW 6													1130												
	MW 8													1239												
	EB 1													1255												

Relinquished by: Simon Casas — Date: 12-22-00 — Time: 1230

Relinquished by: — Date: — Time:

Received by: — Date: — Time:

Received at Lab by: Celey Keene — Date: 12/22/00 — Time: 12:30

REMARKS: -0.5°C

FAX RESULTS: HOBBS
MAIL RESULTS: EOTT
INVOICE: EOTT

ANNUAL MONITORING REPORT

EOTT PIPELINE COMPANY
MONUMENT 17
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 23, June 3, September 10, and November 16, 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 November 16, 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 0.002 ft/ft to the southeast. The depth to groundwater, as measured from the top of the well casing, ranged between 17.30 to 22.48 feet for the shallow alluvial aquifer.

A measurable thickness of PSH was detected in MW-7 during the quarterly sampling events. A maximum thickness of 0.05 was measured and is shown on Table 1.

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 MW-5 and MW-6. Dissolved phase benzene concentrations were detected in the samples collected from monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-8 and ranged from 0.011 ml/L to 1.285 ml/L for the quarterly sampling events. The downgradient well, MW-6, has been below detection limits for BTEX during the annual monitoring period.

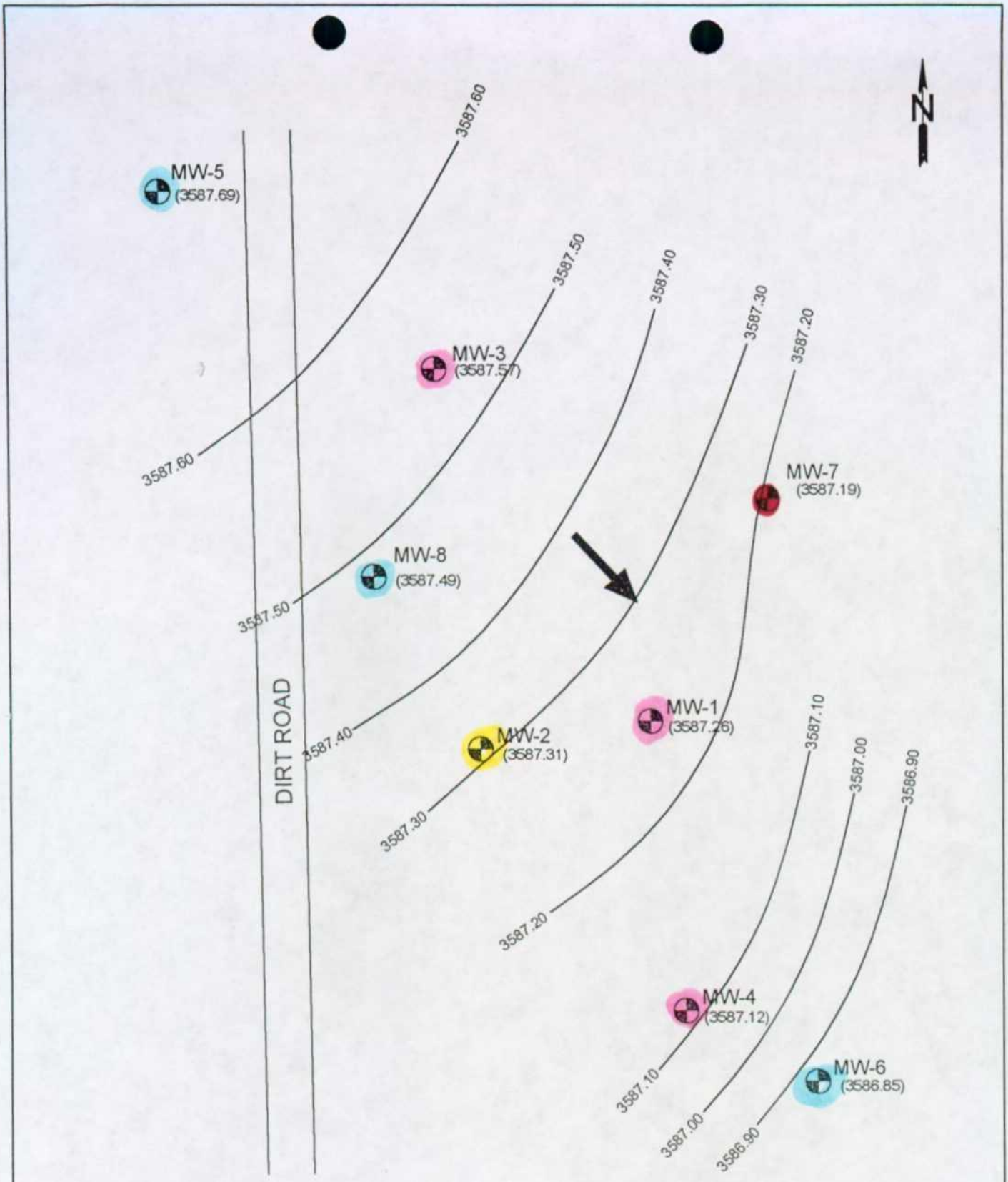
SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 1999. A measurable thickness of PSH was detected in MW-7 during the quarterly sampling events. A maximum thickness of 0.05 was measured and is shown on Table 1.

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 MW-5 and MW-6. Dissolved phase benzene concentrations were detected in the samples collected from monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-8 and ranged from 0.011 ml/L to 1.285 ml/L for the quarterly sampling events. The downgradient well, MW-6, has been below detection limits for BTEX during the annual monitoring period.

FIGURES

FIGURE 1	Site Location Map	Environmental Technology Group, Inc.
Not To Scale	EOTT Energy Corp. Monument 17 Lea County, NM	02 - 09 - 00 RS
		ETGI Project # EOT 1015C



LEGEND:

- Monitoring Well Locations
- Ground Water Contour Lines

Figure 2
Inferred Ground Water Contours 11/16/99

E.O.T.T. Energy
Monument 17
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 75'	Prep By: RS	Checked By: JT
February 8, 2000	ETGI Project # EOT 1015C	

TABLES

TABLE 1
GROUNDWATER ELEVATION TABLE
MONUMENT 17
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	01/23/99	3,607.16	-	20.06	0.00	3,587.10
MW-1	06/03/99	3,607.16	-	19.54	0.00	3,587.62
MW-1	09/10/99	3,607.16	-	19.79	0.00	3,587.37
MW-1	11/16/99	3,607.16	-	19.90	0.00	3,587.26
MW-2	01/23/99	3,607.08	-	19.95	0.00	3,587.13
MW-2	06/03/99	3,607.08	-	19.41	0.00	3,587.67
MW-2	09/10/99	3,607.08	-	19.66	0.00	3,587.42
MW-2	11/16/99	3,607.08	-	19.77	0.00	3,587.31
MW-3	01/23/99	3,608.43	-	21.07	0.00	3,587.36
MW-3	06/03/99	3,608.43	-	20.48	0.00	3,587.95
MW-3	09/10/99	3,608.43	-	20.75	0.00	3,587.68
MW-3	11/16/99	3,608.43	-	20.86	0.00	3,587.57
MW-4	01/23/99	3,606.12	-	19.15	0.00	3,586.97
MW-4	06/03/99	3,606.12	-	18.64	0.00	3,587.48
MW-4	09/10/99	3,606.12	-	18.91	0.00	3,587.21
MW-4	11/16/99	3,606.12	-	19.00	0.00	3,587.12
MW-5	01/23/99	3,610.17	-	22.67	0.00	3,587.50
MW-5	06/03/99	3,610.17	-	22.09	0.00	3,588.08
MW-5	09/10/99	3,610.17	-	22.34	0.00	3,587.83
MW-5	11/16/99	3,610.17	-	22.48	0.00	3,587.69
MW-6	01/23/99	3,604.44	-	17.74	0.00	3,586.70
MW-6	06/03/99	3,604.44	-	17.30	0.00	3,587.14
MW-6	09/10/99	3,604.44	-	17.50	0.00	3,586.94
MW-6	11/16/99	3,604.44	-	17.59	0.00	3,586.85
MW-7	01/23/99	3,607.38	-	20.36	0.00	3,587.02
MW-7	06/03/99	3,607.38	19.86	19.88	0.02	3,587.52
MW-7	09/10/99	3,607.38	20.08	20.13	0.05	3,587.29
MW-7	11/16/99	3,607.38	20.19	20.21	0.02	3,587.19
MW-8	01/23/99	3,607.99	-	20.67	0.00	3,587.32
MW-8	06/03/99	3,607.99	-	20.10	0.00	3,587.89
MW-8	09/10/99	3,607.99	-	20.37	0.00	3,587.62
MW-8	11/16/99	3,607.99	-	20.50	0.00	3,587.49

TABLE 2
GROUND WATER CHEMISTRY
MONUMENT 17
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	01/23/99	0.568	0.012	0.166	0.053	0.010
MW-1	06/03/99	0.135	0.008	0.007	0.011	0.005
MW-1	09/10/99	0.090	0.006	0.016	0.010	0.004
MW-1	11/16/99	0.119	0.006	0.005	0.007	0.003
MW-2	01/23/99	0.892	0.166	0.130	0.066	0.031
MW-2	06/03/99	0.024	<0.001	<0.001	<0.002	<0.001
MW-2	09/10/99	0.017	0.003	0.001	<0.001	<0.001
MW-2	11/16/99	0.007	0.001	<0.001	<0.001	<0.001
MW-3	01/23/99	<0.004	<0.004	<0.004	<0.008	<0.004
MW-3	06/03/99	0.048	0.002	0.002	<0.002	<0.001
MW-3	09/10/99	0.032	0.003	0.001	<0.001	0.001
MW-3	11/16/99	0.010	0.001	<0.001	<0.001	<0.001
MW-4	01/23/99	0.716	0.051	0.083	0.027	0.006
MW-4	06/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-4	09/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4	11/16/99	0.010	0.001	<0.001	<0.001	<0.001
MW-5	01/23/99	<0.004	<0.004	<0.004	<0.008	<0.004
MW-5	06/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-5	09/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	11/16/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	01/23/99	<0.004	<0.004	<0.004	<0.008	<0.004
MW-6	06/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-6	09/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	11/16/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	01/23/99	0.301	<0.004	<0.004	<0.008	<0.004
MW-8	01/23/99	0.061	<0.001	0.007	0.005	<0.001
MW-8	06/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-8	09/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	11/16/99	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: MW-7 contained PSH and was not sampled after 1Q99.

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

January 28, 1999

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

Reference: **XENCO Report No.: -90282**
Project Name: TNMPL
Project ID: 610057-6-17
Project Address: Monument Site 17, 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 -90282.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. -90282N 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

XENCO Laboratories

ANALYTICAL CHAIN OF CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Inc.

Project ID: 610057-6-17
Project Manager: Theresa Nix
Project Location: Monument Site 17, NM

Project Name: TNMPL

XENCO COC#: -90282
Date Received in Lab: Jan 26, 1999 10:10 by DH
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	90282-001	BTEX	SW-846	ppm	10 days	Jan 23, 1999 11:20		Jan 27, 1999 by HL	Jan 27, 1999 18:08 by HL
2	MW-2	90282-002	BTEX	SW-846	ppm	10 days	Jan 23, 1999 11:30		Jan 27, 1999 by HL	Jan 27, 1999 18:26 by HL
3	MW-3	90282-003	BTEX	SW-846	ppm	10 days	Jan 23, 1999 11:00		Jan 27, 1999 by HL	Jan 27, 1999 18:44 by HL
4	MW-4	90282-004	BTEX	SW-846	ppm	10 days	Jan 23, 1999 12:05		Jan 27, 1999 by HL	Jan 27, 1999 19:02 by HL
5	MW-5	90282-005	BTEX	SW-846	ppm	10 days	Jan 23, 1999 12:20		Jan 27, 1999 by HL	Jan 27, 1999 19:20 by HL
6	MW-6	90282-006	BTEX	SW-846	ppm	10 days	Jan 23, 1999 11:10		Jan 27, 1999 by HL	Jan 27, 1999 19:38 by HL
7	MW-7	90282-007	BTEX	SW-846	ppm	10 days	Jan 23, 1999 11:55		Jan 27, 1999 by HL	Jan 27, 1999 19:56 by HL
8	MW-8	90282-008	BTEX	SW-846	ppm	10 days	Jan 23, 1999 11:45		Jan 27, 1999 by HL	Jan 27, 1999 14:49 by HL

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -90282

KEI Consultants, Inc.

Project ID: 610057-6-17
Project Name: TNMPL
Date Received in Lab : Jan 26, 1999 10:10
Project Manager: Theresa Nix
Date Report Faxed: Jan 28, 1999
Project Location: Monument Site 17, NM
XENCO contact : Carlos Castro/Karen Olson

Analysis Requested	*Lab ID:*	90282 001	90282 002	90282 003	90282 004	90282 005	90282 006
	Field ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth:						
	Matrix:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
	Sampled:	01/23/99 11:20	01/23/99 11:30	01/23/99 11:00	01/23/99 12:05	01/23/99 12:20	01/23/99 11:10
BTEX EPA 8021B	*Analyzed:*	01/27/99 R.L.	01/27/99 R.L.	01/27/99 R.L.	01/27/99 R.L.	01/27/99 R.L.	01/27/99 R.L.
	Units:	ppm	ppm	ppm	ppm	ppm	ppm
Benzene		0.568 (0.004)	0.892 (0.004)	< 0.004 (0.004)	0.716 (0.004)	< 0.004 (0.004)	< 0.004 (0.004)
Toluene		0.012 (0.004)	0.166 (0.004)	< 0.004 (0.004)	0.051 (0.004)	< 0.004 (0.004)	< 0.004 (0.004)
Ethylbenzene		0.166 (0.004)	0.130 (0.004)	< 0.004 (0.004)	0.083 (0.004)	< 0.004 (0.004)	< 0.004 (0.004)
m,p-Xylene		0.053 (0.008)	0.066 (0.008)	< 0.008 (0.008)	0.027 (0.008)	< 0.008 (0.008)	< 0.008 (0.008)
o-Xylene		0.010 (0.004)	0.031 (0.004)	< 0.004 (0.004)	0.006 (0.004)	< 0.004 (0.004)	< 0.004 (0.004)
Total BTEX		0.809	1.285	N.D.	0.883	N.D.	N.D.

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -90282

KEI Consultants, Inc.

Project ID: 610057-6-17
Project Name: TNMPL
Project Manager: Theresa Nix
Project Location: Monument Site 17, NM

Date Received in Lab : Jan 26, 1999 10:10
Date Report Faxed: Jan 28, 1999
XENCO contact : Carlos Castro/Karen Olson

Analysis Requested	Lab ID: / Field ID: / Depth: / Matrix: / Sampled:	90282 007 MW-7 Liquid 01/23/99 11:55	90282 008 MW-8 Liquid 01/23/99 11:45				
BTEX EPA 8021B	Analyzed: / Units:	01/27/99 ppm R.L.	01/27/99 ppm R.L.				
Benzene		0.301 (0.004)	0.061 (0.001)				
Toluene		< 0.004 (0.004)	< 0.001 (0.001)				
Ethylbenzene		< 0.004 (0.004)	0.007 (0.001)				
m,p-Xylene		< 0.008 (0.008)	0.005 (0.002)				
o-Xylene		< 0.004 (0.004)	< 0.001 (0.001)				
Total BTEX		0.301	0.073				

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

Certificate Of Quality Control for Batch : 19A25A37

SW- 846 5030/8021B BTEX

Date Validated: Jan 28, 1999 11:45
Date Analyzed: Jan 27, 1999 13:01

Analyst: HL
Matrix: Liquid

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE AND RECOVERY										
Q.C. Sample ID 9028I- 003	[A] Sample Result	[B] Matrix Spike Result	[C] Matrix Spike Duplicate Result	[D] Matrix Spike Amount	[E] Detection Limit	Matrix Limit Relative Difference	[F] QC Spike Relative Difference	[G] QC Matrix Spike Recovery	[H] QC M.S.D. Recovery	[I] Matrix Spike Recovery Range	Qualifier
Parameter	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
Benzene	< 0.0010	0.0861	0.0939	0.1000	0.0010	20.0	8.7	86.1	93.9	65-135	
Toluene	< 0.0010	0.0842	0.0936	0.1000	0.0010	20.0	10.6	84.2	93.6	65-135	
Ethylbenzene	< 0.0010	0.0834	0.0924	0.1000	0.0010	20.0	10.2	83.4	92.4	65-135	
m,p-Xylene	< 0.0020	0.1700	0.1890	0.2000	0.0020	20.0	10.6	85.0	94.5	65-135	
o-Xylene	< 0.0010	0.0864	0.0952	0.1000	0.0010	20.0	9.7	86.4	95.2	65-135	

Spike Relative Difference [F] = 200*(B-C)/(B+C)
Matrix Spike Recovery [G] = 100*(B-A)/[D]
M.S.D. = Matrix Spike Duplicate
M.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

Certificate Of Quality Control for Batch : [redacted]A25A37

SW- 846 5030/8021B BTEX

Date Validated: Jan 28, 1999 11:45
Date Analyzed: Jan 27, 1999 12:25

Analyst: HL
Matrix: Liquid

	BLANK SPIKE ANALYSIS						
Parameter	[A] Blank Result ppm	[B] Blank Spike Result ppm	[C] Blank Spike Amount ppm	[D] Detection Limit ppm	[E] QC LIMITS Blank Spike Recovery %	[F] LIMITS Recovery Range %	[G] Qualifier
Benzene	< 0.0010	0.0939	0.1000	0.0010	93.9	65-135	
Toluene	< 0.0010	0.0932	0.1000	0.0010	93.2	65-135	
Ethylbenzene	< 0.0010	0.0909	0.1000	0.0010	90.9	65-135	
m,p-Xylene	< 0.0020	0.1910	0.2000	0.0020	95.5	65-135	
o-Xylene	< 0.0010	0.0989	0.1000	0.0010	98.9	65-135	

Blank Spike Recovery [E] = 100*(B-A)/(C)
* = Not calculated, data below detection limit
. = Below detection limit
All results are based on MDL and validated for QC purposes only

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

989

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

Company: KEI Phone: (210) 680-3767

Project Name: TNMPL ☒ Previously done at XENCO Project ID: 610057-6-17

Location: MONUMENT SITE 17, NM

Project Manager (PM): THERESA NIX Project Director (PD):

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

Invoice to: ☒ Accounting ☐ Include Invoice with Final Report Attn PM ☒ Invoice must have a P.O Bill to: 610057-6-17

Quote No. P.O No ☐ Call for a P.O.

Special DLs (RRI RRII DW QAPP See Lab PM Call Proj. PM)

Specifications

Sampler Name: D W AMERINE Signature:

Lab Only: 90282-818

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 602 624 8260 Other	BTEX-MTBE by 8020 8021 602 624 Other	TX1005 8015GRO 8015DRO 8015JetF	PAHs by 8270 8100	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 (10d) 14d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Analysis	Remarks
1	MW-1	1/23/99	1120		W		X	2	V	GA	H	X		X					X			
2	MW-2		1130																			
3	MW-3		1100																			
4	MW-4		1205																			
5	MW-5		1220																			
6	MW-6		1110																			
7	MW-7		1155																			
8	MW-8		1145																			
9																						
10																						

Lab Only Additions: From: Rcv by: Date

From: Rcv by: Date

From: Rcv by: Date

N031907685

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
1		1/23/99 1630
2		
3	Lab: S. Holland	1/26/99 1010

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), HNO3 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

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

June 9, 1999

Project Manager: S.Grover/T.Nix
KEI Consultants, Ltd.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: **XENCO Report No.: -92249**
Project Name: Monument 17
Project ID: 910095-1-0
Project Address: Monument, NM

Dear S.Grover/T.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 -92249./ 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. -92249/ 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: 910095-1-0
Project Manager: S.Grover/T.Nix
Project Location: Monument, NM

Project Name: Monument 17

XENCO COC#: -92249
Date Received in Lab: Jun 4, 1999 11:40 by DA
XENCO contact : Carlos Castro/Debbie Simmons

							Date and Time			
	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Sample Collected	Addition Requested	Extraction	Analysis
1	MW-1	92249-001	BTEX	SW-846	ppm	7 days	Jun 3, 1999 12:45		Jun 7, 1999 by HAL	Jun 7, 1999 16:07 by HA
2	MW-2	92249-002	BTEX	SW-846	ppm	7 days	Jun 3, 1999 13:30		Jun 7, 1999 by HAL	Jun 7, 1999 16:25 by HA
3	MW-3	92249-003	BTEX	SW-846	ppm	7 days	Jun 3, 1999 14:30		Jun 7, 1999 by HAL	Jun 7, 1999 17:00 by HA
4	MW-4	92249-004	BTEX	SW-846	ppm	7 days	Jun 3, 1999 11:30		Jun 7, 1999 by HAL	Jun 7, 1999 15:14 by HA
5	MW-5	92249-005	BTEX	SW-846	ppm	7 days	Jun 3, 1999 15:45		Jun 7, 1999 by HAL	Jun 7, 1999 15:32 by HA
6	MW-6	92249-006	BTEX	SW-846	ppm	7 days	Jun 3, 1999 12:15		Jun 7, 1999 by HAL	Jun 7, 1999 16:43 by HA
7	MW-8	92249-007	BTEX	SW-846	ppm	7 days	Jun 3, 1999 10:30		Jun 7, 1999 by HAL	Jun 7, 1999 14:39 by HA

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -92249

KEI Consultants, Ltd.

Project ID: 910095-1-0
Project Manager: S.Grover/T.Nix
Project Location: Monument, NM

Project Name: Monument 17

Date Received in Lab : Jun 4, 1999 11:40
Date Report Faxed: Jun 9, 1999
XENCO contact : Carlos Castro/Debbie Simmons

Analysis Requested	*Lab ID:*	92249 001	92249 002	92249 003	92249 004	92249 005	92249 006
	Field ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth:						
	Matrix:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
	Sampled:	06/03/99 12:45	06/03/99 13:30	06/03/99 14:30	06/03/99 11:30	06/03/99 15:45	06/03/99 12:15
BTEX EPA 8021B	*Analyzed:*	06/07/99	06/07/99	06/07/99	06/07/99	06/07/99	06/07/99
	Units:	ppm R.L.	ppm R.L.	ppm R.L.	ppm R.L.	ppm R.L.	ppm R.L.
Benzene		0.135 (0.001)	0.024 (0.001)	0.048 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		0.008 (0.001)	< 0.001 (0.001)	0.002 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		0.007 (0.001)	< 0.001 (0.001)	0.002 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		0.011 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		0.005 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		0.166	0.024	0.052	N.D.	N.D.	N.D.

Eddie L. Clemons, II
QA/QC Manager

CERTIFICATE OF ANALYSIS SUMMARY -92249

KEI Consultants, Ltd.

Project ID: 910095-1-0
Project Manager: S.Grover/T.Nix
Project Location: Monument, NM

Project Name: Monument 17

Date Received in Lab : Jun 4, 1999 11:40
Date Report Faxed: Jun 9, 1999
XENCO contact : Carlos Castro/Debbie Simmons

Analysis Requested	*Lab ID:*	92249 007					
	Field ID:	MW-8					
	Depth:						
	Matrix:	Liquid					
	Sampled:	06/03/99 10:30					
BTEX EPA 8021B	*Analyzed:*	06/07/99	R.L.				
	Units:	ppm					
Benzene		< 0.001	(0.001)				
Toluene		< 0.001	(0.001)				
Ethylbenzene		< 0.001	(0.001)				
m,p-Xylene		< 0.002	(0.002)				
o-Xylene		< 0.001	(0.001)				
Total BTEX		N.D.					

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

Certificate Of Quality Control for Batch : 19A25C47

SW- 846 5030/8021B BTEX

Date Validated: Jun 8, 1999 10:00
Date Analyzed: Jun 7, 1999 11:59

Analyst: HA
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 %	Qualifier
Benzene	< 0.0010	0.1165	0.1058	0.1000	0.0010	20.0	9.6	116.5	105.8	65-135	
Toluene	< 0.0010	0.1182	0.1090	0.1000	0.0010	20.0	8.1	118.2	109.0	65-135	
Ethylbenzene	< 0.0010	0.1157	0.1046	0.1000	0.0010	20.0	10.1	115.7	104.6	65-135	
m,p-Xylene	< 0.0020	0.2302	0.2090	0.2000	0.0020	20.0	9.7	115.1	104.5	65-135	
o-Xylene	< 0.0010	0.1223	0.1103	0.1000	0.0010	20.0	10.3	122.3	110.3	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

1614

Company COC No: 348 Work Order No: 910095-1-0 Page 1 of 1

Company	KEI	Phone	(210) 680-3767
Project Name	☒ Previously done at XENCO MONUMENT 17	Project ID	910095-1-0
Location	MONUMENT, NM		
Project Manager (PM)	S. GROVER/T. NIX	Project Director (PD)	T. SAYOIE
Fax Results to	☐ PM and / or (210) 680-3763/(361)-643-4055	Fax	
Invoice to	☐ Accounting ☐ Include Invoice with Final Report Attn PM ☐ Invoice must have a P.O Bill to: 910095-1-0		
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	Ken Sutton	Signature	

Lab Only: # 92249-SR

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	TAT 5h 12h 20h 24h 48h 3d 5d 7d (10d) 14d 21d	Addn: PAH above mg/L W. mg/Kg S Highest Hit	Hold Analysis
1	MW-1	30JUN99	1245		W		X	2	V	GA	H C4	X			
2	MW-2		1330												
3	MW-3		1430												
4	MW-4		1130												
5	MW-5		1545												
6	MW-6		1215												
7	MW-8		1030												
8															
9															
10															

Remarks: Q: S. GROVER OR T. NIX @ (210) 680-3767

UPS# 1Z321859O245

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

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
1 KD [signature]		30JUN99 1630
2		
3	Lab: D. AUSTIN VIA	6/4/99 11:40

Total Containers per COC: 14

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) _____

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: MONUMENT 17 FIELD TECHNICIAN: KD DATE: 10 SEP 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	1355	32.27	19.79	12.48	.16	1.99	5.99	3.0	9-10		T 21.4	C 1096µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1415		pH 6.69	O 89 mV
MW-2	1425	28.62	19.66	8.96	.16	1.43	4.30	3.0	9-10		T 20.8	C 1096µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1445		pH 6.96	O 137 mV
MW-3	1510	28.35	20.75	7.60	.16	1.21	3.64	3.0			T 20.2	C 1109µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1525		pH 6.83	O 27mV
MW-4	1320	23.54	18.91	4.63	.16	0.740	2.22	3.0	9-10		T 22.3	C 1133µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1345		pH 6.74	O 15mV
MW-5	1515	31.91	22.34	9.57	.16	1.55	4.59	3.0	9-10		T 21.6	C 1086µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1530		pH 7.09	O 63mV
MW-6	1300	30.65	17.50	13.15	.16	2.10	6.31	3.0	9-10		T 22.1	C 1093µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1315		pH 6.95	O 194 mV
MW-7			20.13							20.08	0.05	
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-8	1450	31.65	20.37	11.28	.16	1.80	5.41	3.0	9-10		T 20.7	C 1109µS
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:			1505		pH 7.01	O 160mV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						

Total Removed: 32.46 gal.

DRUMS ON SITE:

CARBON DRUM TRAILER: (yes/no)

DISCHARGE SAMPLE (time/date):

pH:

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: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: Monument 17
Project Name: None Given
Project Location: Lea County, N.M.

Sampling Date: 09/10/99
Receiving Date: 09/11/99
Analysis Date: 09/11/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
19941	MW-1	0.090	0.006	0.016	0.010	0.004
19942	MW-2	0.017	0.003	0.001	<0.001	<0.001
19943	MW-3	0.032	0.003	0.001	<0.001	0.001
19944	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
19945	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
19946	MW-6	<0.001	<0.001	<0.001	<0.001	<0.001
19947	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		99	95	95	94	94
% EA		95	93	92	91	91
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K. Tuttle

9-14-99
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: 015

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

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

Project #: MONUMENT 17

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	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
19941	MW-1	2	V	X					X		X			9-10	1415	X							
19942	MW-2														1445								
19943	MW-3														1525								
19944	MW-4														1345								
19945	MW-5														1530								
19946	MW-6														1315								
19947	MW-8														1505								

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	11 SEP 99	1145	Richard Jacob
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

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

INVOICE: LENNAH FROST PO #1015M

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: Monument 17 FIELD TECHNICIAN: SC DATE: 11-16-99

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	1016	32.28	19.90	12.38	.16	1.98	5.94	3.0	11-16 1150		T 20.5 ph 7.54	C 1121 µs o 93 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW2	1007	28.60	19.77	8.83	.16	1.41	4.23	3.0	11-16 1139		T 20.4 ph 7.47	C 1137 µs o 95 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW3	0947	28.35	20.86	7.49	.16	1.19	3.59	3.0	11-16 1116		T 19.7 ph 7.38	C 1110 µs o 41 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW4	1030	23.35	19.00	4.35	.16	0.69	2.08	3.0	11-16 1212		T 20.1 ph 7.60	C 1238 µs o 40 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW5	0931	31.94	22.48	9.46	.16	1.51	4.54	3.0	11-16 1101		T 19.8 ph 7.21	C 1086 µs o 72 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW6	1044	30.48	17.59	12.89	.16	2.06	6.18	3.0	11-16 1225		T 20.1 ph 7.62	C 1108 µs o 79 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW7			20.28							20.19	0.02	
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW8	0957	31.68	20.50	11.18	.16	1.78	5.36	3.0	11-16 1128		T 20.1 ph 7.44	C 1152 µs o 86 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						

Total Removed: ~~19.92~~ 31.92 gal.

DRUMS ON SITE:

CARBON DRUM TRAILER: (yes/no)

DISCHARGE SAMPLE (time/date):

pH:

COMMENTS:

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760(Ken Dutton)

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: Monument 17
Project Name: EOT 1015C
Project Location: Monument, N.M.

Sampling Date: 11/16/99
Receiving Date: 11/17/99
Analysis Date: 11/17/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21647	MW-1	0.119	0.006	0.005	0.007	0.003
21648	MW-2	0.007	0.001	<0.001	<0.001	<0.001
21649	MW-3	0.010	0.001	<0.001	<0.001	<0.001
21650	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
21651	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
21652	MW-6	<0.001	<0.001	<0.001	<0.001	<0.001
21653	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	98	101	94	94	94
	% EA	104	99	99	103	99
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021,5030

Raland K. Tuttle

11-19-99
Date

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

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 043

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

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

Project #: Monument 17
Project Name: EOT 1015C

Project Location: Monument NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8020/8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
21647	MW 1	2	✓	X					X		X			1116	1150	X							
21648	MW 2														1139								
21649	MW 3														1116								
21650	MW 4														1212								
21651	MW 5														1101								
21652	MW 6														1225								
21653	MW 8	✓	✓	✓					✓		✓			✓	1128	✓							

Relinquished by:	Date:	Times:	Received by:
Simon Casas	11-16-99	1325	
Relinquished by:	Date:	Times:	Received by:
	11-17-99	1630	Rebecca Judd
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: Mail Results: Ken Dutton

Invoice: Lennington Frost 1015M

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760(Ken Dutton)

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: Monument 17
Project Name: EOT 1015C
Project Location: Monument, N.M.

Sampling Date: 11/16/99
Receiving Date: 11/17/99
Analysis Date: 11/17/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21647	MW-1	0.119	0.006	0.005	0.007	0.003
21648	MW-2	0.007	0.001	<0.001	<0.001	<0.001
21649	MW-3	0.010	0.001	<0.001	<0.001	<0.001
21650	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
21651	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
21652	MW-6	<0.001	<0.001	<0.001	<0.001	<0.001
21653	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	98	101	94	94	94
	% EA	104	99	99	103	99
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021,5030

Raland K. Tuttle

11-19-99
Date

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