AP - 009

ANNUAL MONITORING REPORT

YEAR(S):
2000

ANNUAL MONITORING REPORT

EOTT ENERGY CORP.
HDO 90-23
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 (ODC) 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. Additional site activities and remedial work is summarized in reports previously submitted to the OCD. 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 22, May 16, September 14 and November 3, 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 introduced into the existing ground water treatment system.

GROUNDWATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on November 3, 1999, are depicted on Figure 2. The ground water elevation data are provided as Table 1. Groundwater elevation contours, generated from the final semi-annual event of 1999 water level measurements, indicated a general gradient of approximately 0.001 ft/ft to the southeast. The depth to groundwater, as measured from the top of the well casing, ranged between 45.50 to 48.47 feet.

A measurable thickness of PSH has been detected in monitoring wells MW-2 and MW-6. A maximum thickness of 2.76 feet of PSH was measured in monitoring well MW-2 as shown on Table 1. Recovery of PSH from the well was implemented in early December 1999, utilizing a down-hole skimmer pump as described in the recently approved Abatement Plan.

LABORATORY RESULTS

Ground water samples obtained during the first two sampling events were mailed to Xenco Laboratories in San Antonio, Texas. Ground water samples collected during the latter two events were hand delivered to Environmental Laboratory of Texas, Midland, Texas for determination of benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations by EPA Method SW846-8020 and 8021B. The ground water chemistry data are provided as Table 2 and the Labatory Reports are provided as Appendix A.

Laboratory results for ground water samples collected from monitoring well MW-3 indicate that benzene concentrations are consistently above MCLs. Disolved phase benzene concentrations in samples from monitoring well MW-6 were above MCLs as measured in September and PSH was detected in the well in November.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 1999. A measurable thickness of PSH has been detected in monitoring wells MW-2 and MW-6. A maximum thickness of 2.76 feet of PSH was measured in monitoring well MW-2 as shown on Table 1. Recovery of PSH from the well was implemented in early December 1999, utilizing a down-hole skimmer pump as described in the recently approved Abatement Plan.

Laboratory results for ground water samples collected from monitoring well MW-3 indicate that benzene concentrations are consistently above MCLs. Disolved phase benzene concentrations in samples from monitoring well MW-6 were above MCLs as measured in September and PSH was detected in the well in November.

FIGURES

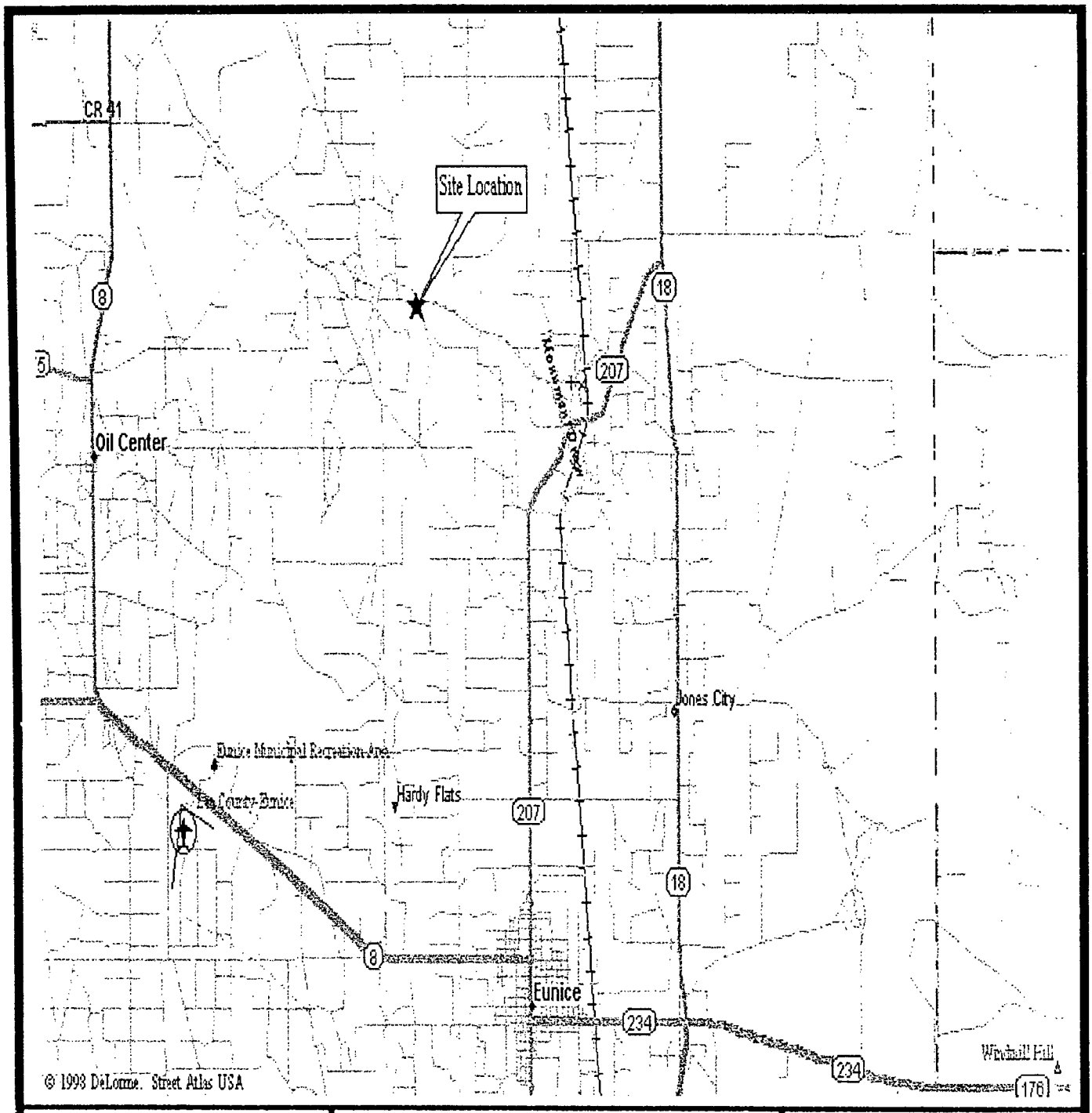
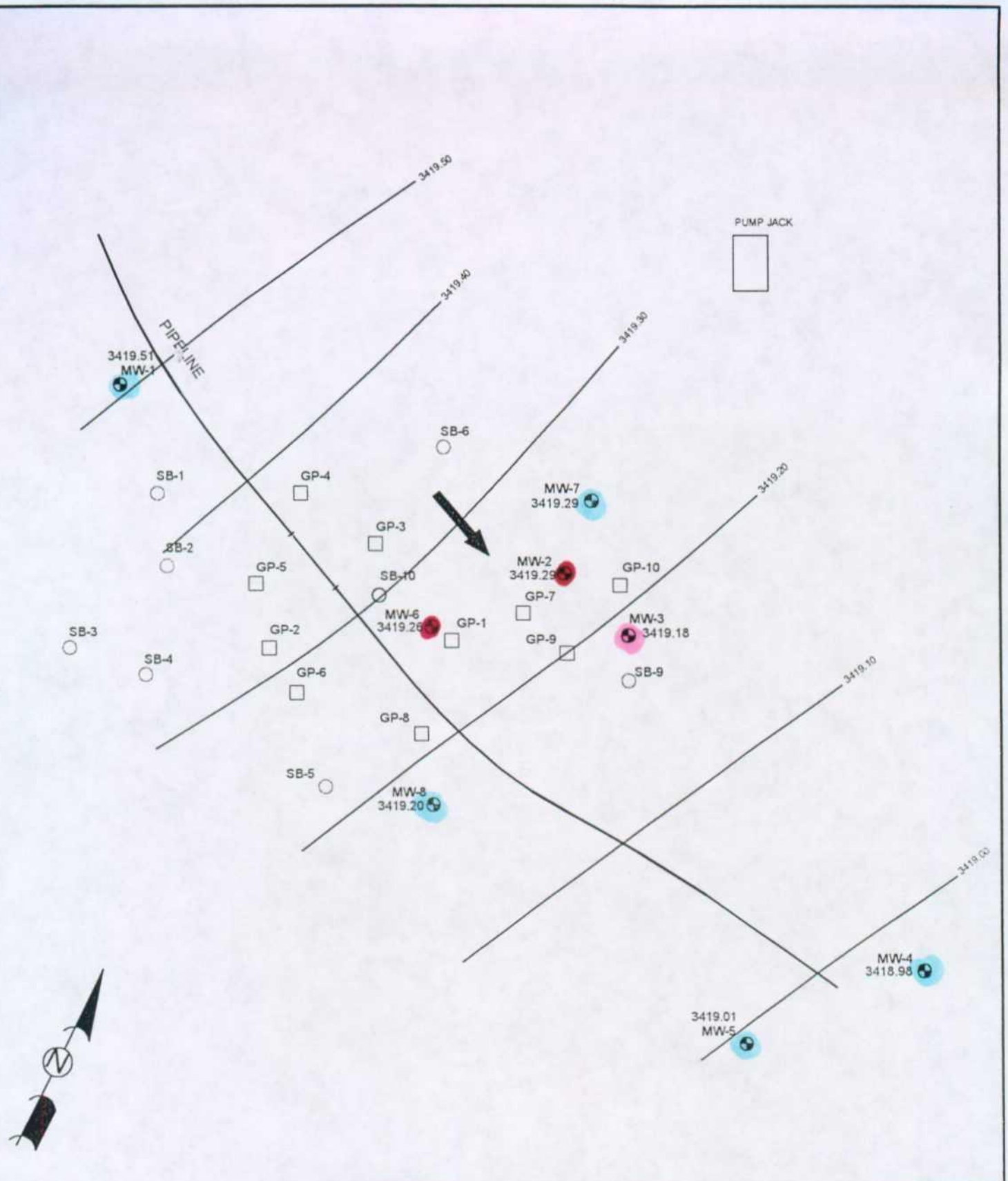


FIGURE 1	Site Location Map	Environmental Technology Group, Inc.
Not To Scale	EOTT Energy Corp. HDO 90-23 Eunice, NM	03 - 07 -009 RS
		ETGI Project # EOT 1019C



LEGEND:

- ☐ ETGI GP (9-1-1999)
- ◔ ETGI MW (9-1-1999)
- ○ ETGI SB (9-1-1999)
- ◔ KEI MW (late 97 early 98)
- ○ KEI SB (late 97 early 98)
- — Pipeline
- ~ Estimated Area of Leak
- — GW Gradient Elevation

Figure 2
Ground Water Gradient Map

HDO - 90 - 23
Lea County N.M.

Environmental Technology Group, INC.

Scale: 1" = 70'	Prep By: RS	Checked By: JT
September 20, 1999	ETGI Project # EOT 1019C	

TABLES

TABLE 1
GROUNDWATER ELEVATION TABLE
HDO 90-23
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	01/22/99	3,465.61	-	46.12	0.00	3,419.49
MW-1	04/16/99	3,465.61	-	46.12	0.00	3,419.49
MW-1	09/13/99	3,465.61	-	46.10	0.00	3,419.51
MW-1	11/03/99	3,465.61	-	46.13	0.00	3,419.48
MW-2	01/22 99	3,465.44	-	47.40	0.00	3,418.04
MW-2	04/16/99	3,465.44	-	47.45	0.00	3,417.99
MW-2	09/13/99	3,465.44	45.74	48.50	2.76	3,419.29
MW-2	11/03/99	3,465.44	46.10	46.55	0.45	3,419.27
MW-3	01/22/99	3,464.68	-	45.59	0.00	3,419.09
MW-3	04/16/99	3,464.68	-	45.56	0.00	3,419.12
MW-3	09/13/99	3,464.68	-	45.50	0.00	3,419.18
MW-3	11/03/99	3,464.68	-	45.52	0.00	3,419.16
MW-4	01/22/99	3,465.76	-	46.81	0.00	3,418.95
MW-4	04/16/99	3,465.76	-	46.79	0.00	3,418.97
MW-4	09/13/99	3,465.76	-	46.70	0.00	3,419.06
MW-4	11/03/99	3,465.76	-	46.74	0.00	3,419.02
MW-5	01/22/99	3,467.40	-	48.47	0.00	3,418.93
MW-5	04/16/99	3,467.40	-	48.45	0.00	3,418.95
MW-5	09/13/99	3,467.40	-	48.39	0.00	3,419.01
MW-5	11/03/99	3,467.40	-	48.42	0.00	3,418.98
MW-6	09/13/99	3,465.42	-	46.05	0.00	3,419.37
MW-6	11/03/99	3,465.42	45.98	46.80	0.82	3,419.32
MW-7	09/13/99	3,466.22	-	46.78	0.00	3,419.44
MW-7	11/03/99	3,466.22	-	46.80	0.00	3,419.42
MW-8	09/13/99	3,467.61	-	48.39	0.00	3,419.22
MW-8	11/03/99	3,467.61	-	48.42	0.00	3,419.19

TABLE 2
GROUND WATER CHEMISTRY
HDO 90-23
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	01/22/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	04/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-1	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	01/22/99	2.80	0.03	2.32	0.11	0.07
MW-3	04/16/99	2.12	<0.02	2.67	<0.04	<0.02
MW-3	09/14/99	1.85	0.079	1.82	0.116	<0.050
MW-3	11/03/99	1.90	<0.100	2.06	0.160	<0.100
MW-4	01/22/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-4	04/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-4	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	01/22/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-5	04/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-5	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	09/14/99	0.072	0.063	0.020	0.022	0.010
MW-7	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Monitor Wells 6, 7, & 8 were installed during 3Q99. Monitor Well 6 contained PSH and was not sampled for 4Q99.

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.: -90283**
Project Name: TNMPL HDO-90-23
Project ID: 810005-1
Project Address: Evnice, 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 -90283.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. -90283N 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: 810005-1
Project Manager: Theresa Nix
Project Location: Evnice, NM

Project Name: TNMPL HDO-90-23

XENCO COC#: -90283
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	90283-001	BTEX	SW-846	ppm	10 days	Jan 22, 1999 13:40		Jan 27, 1999 by HL	Jan 27, 1999 15:07 by HL
2	MW-3	90283-002	BTEX	SW-846	ppm	10 days	Jan 22, 1999 14:05		Jan 27, 1999 by HL	Jan 27, 1999 16:01 by HL
3	MW-4	90283-003	BTEX	SW-846	ppm	10 days	Jan 22, 1999 14:30		Jan 27, 1999 by HL	Jan 27, 1999 15:25 by HL
4	MW-5	90283-004	BTEX	SW-846	ppm	10 days	Jan 22, 1999 14:55		Jan 27, 1999 by HL	Jan 27, 1999 16:56 by HL

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -90283

KEI Consultants, Inc.

Project Name: TNMPL HDO-90-23

Project ID: 810005-1
Project Manager: Theresa Nix
Project Location: Evnice, 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:*	90283 001 MW-1 Liquid 01/22/99 13:40	90283 002 MW-3 Liquid 01/22/99 14:05	90283 003 MW-4 Liquid 01/22/99 14:30	90283 004 MW-5 Liquid 01/22/99 14:55
BTEX **EPA 8021B**	*Analyzed:* / *Units:*	01/27/99 ppm R.L.	01/27/99 ppm R.L.	01/27/99 ppm R.L.	01/27/99 ppm R.L.
Benzene		< 0.001 (0.001)	2.80 (0.02)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		< 0.001 (0.001)	0.03 (0.02)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		< 0.001 (0.001)	2.32 (0.02)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		< 0.002 (0.002)	0.11 (0.04)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		< 0.001 (0.001)	0.07 (0.02)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		N.D.	5.330	N.D.	N.D.

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 90281- 003 / Parameter	[A] Sample Result ppm	[B] Matrix Spike Result ppm	[C] Matrix Spike Duplicate Result ppm	[D] Matrix Spike Amount ppm	[E] Detection Limit ppm	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 %	[J] Qualifier
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 : 19A25A37

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 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
N.D. = 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

15987

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

Company: OXY	Phone: (210) 6803767	Lab Only: 90283-88	Lab Only Additions
Project Name: ☒ Previously done at XENCO: TNMP # HDO-90-23	Project ID: 810005-1	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	
Location: EUNICE, NM			
Project Manager (PM): THERESA NIXO	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: 810005-1			
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: D. HAMILTON	Signature:		

	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	BTEX-MTBE by 8020 / 8021	BTEX by 8260 / 602	PAHs by 8270 / 8100 / 8310	METALS by 6010 8RCRA 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	1/22/99	1340		W		X	2	V	GA	HT	X							X			
2	MW-3	↓	1405		↓		↓	↓	↓	↓	↓	↓							↓			
3	MW-4		1430																			
4	MW-5		1455																			
5																						
6																						
7																						
8																						
9																						
10																						

NO319876854

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time	
1		1/22/99 1530	Total Containers per COC:
2			Rush TATs Fax Due: Final Fax Due:
3	Lab: D. Hamilton	1/26/99 10:15	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) _____

ANALYTICAL CHAIN CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Ltd.

Project ID: 810005-1-0
Project Manager: S. Grover
Project Location:

Project Name: Eunice Historical

XENCO COC#: -91597
Date Received in Lab: Apr 20, 1999 11:35 by DA
XENCO contact : Carlos Castro/Karen Olson

	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Date and Time: Sample Collected	Addition Requested	Extraction	Analysis
1	MW-1	01507-001	BTEX	SW-846	ppm	7 days	Apr 16, 1999 08:00		Apr 22, 1999 by HAL	Apr 22, 1999 17:20 by HA
2	MW-3	01507-002	BTEX	SW-846	ppm	7 days	Apr 16, 1999 09:30		Apr 22, 1999 by HAL	Apr 22, 1999 14:22 by HA
3	MW-4	01507-003	BTEX	SW-846	ppm	7 days	Apr 16, 1999 09:00		Apr 22, 1999 by HAL	Apr 22, 1999 14:58 by HA
4	MW-5	01507-004	BTEX	SW-846	ppm	7 days	Apr 16, 1999 08:30		Apr 22, 1999 by HAL	Apr 22, 1999 15:15 by HA

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -91597

KEI Consultants, Ltd.

Project Name: Eunice Historical

Project ID: 810005-1-0
Project Manager: S. Grover
Project Location:

Date Received in Lab : Apr 20, 1999 11:35
Date Report Faxed: Apr 26, 1999
XENCO contact : Carlos Castro/Karen Olson

Analysis Requested	*Lab ID:*	91597 001		91597 002		91597 003		91597 004	
	Field ID:	MW-1		MW-3		MW-4		MW-5	
	Depth:								
	Matrix:	Liquid		Liquid		Liquid		Liquid	
	Sampled:	04/16/99 08:00		04/16/99 09:30		04/16/99 09:00		04/16/99 08:30	
BTEX	*Analyzed:*	04/22/99	R.L.	04/22/99	R.L.	04/22/99	R.L.	04/22/99	R.L.
EPA 8021B	*Units:*	ppm		ppm		ppm		ppm	
Benzene		< 0.001	(0.001)	2.12	(0.02)	< 0.001	(0.001)	< 0.001	(0.001)
Toluene		< 0.001	(0.001)	< 0.02	(0.02)	< 0.001	(0.001)	< 0.001	(0.001)
Ethylbenzene		< 0.001	(0.001)	2.67	(0.02)	< 0.001	(0.001)	< 0.001	(0.001)
m,p-Xylene		< 0.002	(0.002)	< 0.04	(0.04)	< 0.002	(0.002)	< 0.002	(0.002)
o-Xylene		< 0.001	(0.001)	< 0.02	(0.02)	< 0.001	(0.001)	< 0.001	(0.001)
Total BTEX		N.D.		4.790		N.D.		N.D.	

Eddie L. Clemons. II
QA/QC Manager

XENCO Laboratories

Certificate Of Quality Control for Batch : 19A25B75

SW- 846 5030/8021B BTEX

Date Validated: Apr 23, 1999 08:00

Date Analyzed: Apr 22, 1999 10:49

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 %	[J] Qualifier
Benzene	< 0.0010	0.0973	0.1024	0.1000	0.0010	20.0	5 1	97.3	102.4	65-135	
Toluene	< 0.0010	0.1027	0.1115	0.1000	0.0010	20.0	8.2	102.7	111 5	65-135	
Ethylbenzene	< 0.0010	0.1006	0.1004	0.1000	0.0010	20.0	0 2	100.6	100.4	65-135	
m,p-Xylene	< 0.0020	0.2036	0.2032	0.2000	0.0020	20.0	0.2	101.8	101.6	65-135	
o-Xylene	< 0.0010	0.1061	0.1038	0.1000	0.0010	20.0	2.2	106.1	103.8	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

18817

Company COC No: 288　　Work Order No:　　Page 1 of 1

Company: KET　　Phone: 210-680-3767

Project Name: Cunice Historical　☑ Previously done at XENCO　　Project ID: 810005-1-0

Location:

Project Manager (PM): S. Gravel　　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:

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: Rusty Savoie　　Signature: Rusty Savoie

Lab Only: # 91597-[illegible]

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

Lab Only Additions

#	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 602 624 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 8RCRA 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	4-16-99	0900		X		X	2	V	GC	H,C4	X										Any Questions Call S. Gravel ☺
2	MW-3	↓	0930		↓		↓	↓	↓	↓	↓	↓										
3	MW-4	↓	0900		↓		↓	↓	↓	↓	↓	↓										
4	MW-5	↓	0830		↓		↓	↓	↓	↓	↓	↓										
5																						
6																						
7																						
8																						
9																						
10																						

Via UPS # A3218590174

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time	
1 [signature]		4-19-99	Total Containers per COC: 8
2			Rush TATs Fax Due:　　Final Fax Due:
3	Lab: D. Arnold	4/20/99 11:35	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) ____

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

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: HDO-9Φ-23 FIELD TECHNICIAN: KD DATE: 13 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	1515	52.1Φ	46.1Φ	6.ΦΦ	.16	Φ.96Φ	2.88	3.Φ	9-14 ΦΦΦΦ		T 19.7 pH 7.68	C 595.7µs O 129 MV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-2			48.5Φ							45.74	2.76	
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-3	1635	59.90	45.5Φ	9.4Φ	.16	1.5Φ	4.51	3.Φ	9-14 1ΦΦΦ		T 21.9 pH 7.04	C 12.25MΩ O -5ΦMV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-4	1625	53.6Φ	46.7Φ	6.9Φ	.16	1.1Φ	3.31	3.Φ	9-14 11ΦΦ		T 19.Φ pH 7.61	C 652.1µs O 58 MV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-5	1645	55.8Φ	48.39	7.41	.16	1.18	3.55	3.Φ	9-14 1Φ45		T 19.6 pH 7.46	C 115ΦµS O 26 MV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-6	1550	58.26	46.ΦS	12.21	.16	1.95	5.86	3.Φ	9-14 ΦΦ93Φ		T 21.3 pH 7.37	C 921.7µs O 123MV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-7	1535 ~~1550~~	59.5Φ	46.78	12.72	.16	2.Φ3	~~6.1Φ~~	3.Φ	9-14 ΦΦ915		T 20.2 pH 7.49	C 762.4µs O 131MV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-8	1610	63.25	48.39	14.86	.16	2.37	7.13	3.Φ	9-14 ΦΦ95Φ		T 19.8 pH 7.45	C 745.2µs O 91MV
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						

Total Removed: 33.34 gal.

UMS ON SITE:

ARBON DRUM TRAILER: (yes/no)

SCHARGE SAMPLE (time/date):

COMMENTS: MW-6 - APPEARS DROPLETS OF PSH IN BAILER & SAMPLE CONTAINERS, VERY STRONG HYDROCARBON ODOR FROM MW & SAMPLES

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: 970-461-1058

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: HDO 90-23
Project Name: None Given
Project Location: Monument Draw , N.M.

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Analysis Date: 09/15/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
20005	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
20006	MW-3	1.85	0.079	1.82	0.116	<0.050
20007	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
20008	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
20009	MW-6	0.072	0.063	0.020	0.022	0.010
20010	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
20011	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	96	92	92	90	91
	% EA	99	93	94	94	94
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K Tuttle
Raland K. Tuttle

9-21-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: HDO 90-23
Project Name: None Given
Project Location: Monument Draw N.M.

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
20009	MW-6	139	124	0	250	642
20010	MW-7	160	71	0	200	543
20011	MW-8	146	62	0	200	503
	QUALITY CONTROL	55.1	5052	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	110	101	*	*	*
	ANALYSIS DATE	9/21/99	9/17/99	9/21/99	9/21/99	9/20/99

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: HDO 90-23
Project Name: None Given
Project Location: Monument Draw N.M.

Sample Date: 09/14/99
Receiving Date: 09/15/99
Analysis Date: 09/21/99
Analysis Date: Hg 9/17/99
Analysis Date: Mo,Sn,B,Sr 9/29/99

Analyte (mg/L)	MW-6 20009	MW-7 20010	MW-8 20011	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	18.41	9.300	22.60	0.0500	94	99	<0.0500	17.10
Arsenic	0.0160	0.0160	0.0140	0.0050	98	102	<0.0050	0.00
Barium	0.4580	0.5970	2.100	0.0100	85	93	<0.0100	0.52
Beryllium	ND	ND	ND	0.0040	90	100	<0.0040	0.00
Cadmium	ND	ND	ND	0.0010	90	98	<0.0010	0.00
Calcium	622.0	208.0	403.0	1.000	*	*	<1.000	0.42
Chromium	0.0500	0.0180	0.0460	0.0050	92	101	<0.0050	0.49
Cobalt	ND	ND	ND	0.0200	88	95	<0.0200	0.21
Copper	0.0210	ND	0.0260	0.0100	86	92	<0.0100	0.00
Iron	12.80	6.390	16.20	0.0500	90	105	<0.0500	53.38
Lead	0.0120	0.0050	0.0110	0.0030	94	108	<0.0030	3.64
Magnesium	41.90	30.00	45.70	1.000	*	*	<1.000	0.90
Manganese	0.5740	0.1130	0.4370	0.0150	91	100	<0.0150	8.44
Mercury	ND	ND	ND	0.00020	102	108	<0.00020	5.71
Molybdenum	ND	ND	ND	0.050	101	*	<0.050	N/A
Nickel	0.0410	0.0130	0.0810	0.0100	91	98	<0.0100	0.41
Potassium	12.70	9.110	15.10	1.000	*	*	<1.000	N/A
Selenium	0.0180	0.0210	0.0140	0.0050	104	104	<0.0050	3.92
Silver	ND	ND	ND	0.0050	80	82	<0.0050	2.41
Sodium	116.0	94.90	92.00	1.000	*	*	<1.000	0.32
Tin	ND	ND	0.0650	0.0500	90	*	<0.0500	N/A
Vanadium	0.1050	0.0970	0.0980	0.0200	85	93	<0.0200	0.21
Zinc	0.0700	ND	0.1750	0.0200	91	96	<0.0200	3.15
Boron	0.350	0.332	0.354	0.050	97	*	<0.050	N/A
Strontium	3.33	2.45	4.63	0.050	89	*	<0.050	N/A

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

Raland K. Tuttle

9-30-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: HDO 90-23
Project Name: None Given
Project Location: Monument Draw N.M.
Field Code: MW-6

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Extraction Date: 09/20/99
Analysis Date: 09/23/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 20009	RPD	%EA	%IA
Naphthalene	0.005	0.005			86
Acenaphthylene	0.005	ND			88
Acenaphthene	0.005	ND	5.41	36	86
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			88
Anthracene	0.005	ND			86
Fluoranthene	0.005	ND			90
Pyrene	0.005	ND	3.08	32	82
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			90
Benzo[b]fluoranthene	0.005	ND			80
Benzo[k]fluoranthene	0.005	ND			88
Benzo [a]pyrene	0.005	ND			86
Indeno[1,2,3-cd]pyrene	0.005	ND			96
Dibenz[a,h]anthracene	0.005	ND			108
Benzo[g,h,i]perylene	0.005	ND			96

	% RECOVERY
Nitrobenzene-d5 SURR	44
2-Fluorobiphenyl SURR	46
Terphenyl-d14 SURR	38

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: HDO 90-23
Project Name: None Given
Project Location: Monument Draw N.M.
Field Code: MW-7

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Extraction Date: 09/20/99
Analysis Date: 09/23/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 20010	RPD	%EA	%IA
Naphthalene	0.005	ND			86
Acenaphthylene	0.005	ND			88
Acenaphthene	0.005	ND	5.41	36	86
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			88
Anthracene	0.005	ND			86
Fluoranthene	0.005	ND			90
Pyrene	0.005	ND	3.08	32	82
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			90
Benzo[b]fluoranthene	0.005	ND			80
Benzo[k]fluoranthene	0.005	ND			88
Benzo [a]pyrene	0.005	ND			86
Indeno[1,2,3-cd]pyrene	0.005	ND			96
Dibenz[a,h]anthracene	0.005	ND			108
Benzo[g,h,i]perylene	0.005	ND			96

	% RECOVERY
Nitrobenzene-d5 SURR	54
2-Fluorobiphenyl SURR	56
Terphenyl-d14 SURR	40

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: HDO 90-23
Project Name: None Given
Project Location: Monument Draw N.M.
Field Code: MW-8

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Extraction Date: 09/20/99
Analysis Date: 09/23/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 20011	RPD	%EA	%IA
Naphthalene	0.005	ND			86
Acenaphthylene	0.005	ND			88
Acenaphthene	0.005	ND	5.41	36	86
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			88
Anthracene	0.005	ND			86
Fluoranthene	0.005	ND			90
Pyrene	0.005	ND	3.08	32	82
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			90
Benzo[b]fluoranthene	0.005	ND			80
Benzo[k]fluoranthene	0.005	ND			88
Benzo [a]pyrene	0.005	ND			86
Indeno[1,2,3-cd]pyrene	0.005	ND			96
Dibenz[a,h]anthracene	0.005	ND			108
Benzo[g,h,i]perylene	0.005	ND			96

	% RECOVERY
Nitrobenzene-d5 SURR	61
2-Fluorobiphenyl SURR	61
Terphenyl-d14 SURR	47

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

9-27-99
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: 017

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

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

Project #: H&O 98-23

Project Name :

Project Location: MONUMENT DRAW 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
20005	MW-1	2		X					X		X			9-14	0900
20006	MW-3	2													1020
20007	MW-4	2													1100
20008	MW-5	2													1045
20009	MW-6	7								X					0930
20010	MW-7	7													0915
20011	MW-8	7													0950

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	PAH (8100 OR 8270)	TDS (160.1)	CATIONS (6010)	ANIONS (300)	HEAVY METALS (ICP-SCAN) (6010)
X								X	X	X	X	X

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	9-14-99	1240	
Relinquished by:	Date:	Times:	Received by:
	9-15-99	0752	
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: RESULTS:
KEN DUTTON
1606 W. CALLE SUR, APT 13
HOBBS, NM 88240-0985

INVOICE: LENNAH FROST P.O.# 1015M

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: HDO 90-23 FIELD TECHNICIAN: KA/SC DATE: 11-3-99

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	1530	51.90	46.13	5.77	.16	0.92	2.76	3.0	11-3 1630		T 18.1 pH 7.49	C 604.9 ms O 0 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-2			46.55							46.14	.45	
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-3	1315	54.90	45.52	9.38	.16	1.5	4.5	3.0	11-3 1455		T ~~19.3~~ 20.2 pH ~~7.31~~ 7.31	C 13.87 ms O -125 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-4	1410	53.40	46.74	6.66	.16	1.06	3.19	3.0	11-3 1420		T 7.09 pH 20.2	C ~~6.74~~ 6.0 ms O 135 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-5	1340	55.60	48.42	7.18	.16	1.1~~8~~	3.44	3.0	11-3 1430		T 19.3 pH 7.31	C 1098 us O 143 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-6			46.80							45.98	.82	
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-7	1515	58.70	46.80	11.9	.16	1.90	5.71	3.0	11-3 ~~1530~~ 1600		T 19.2 pH 7.40	C ~~799.1~~ 799.1 us O -82 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW-8	1545	61.95	48.42	13.53	.16	2.16	6.49	3.0	11-3 1615		T 18.8 pH 7.42	C 870.6 us O -47 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						

Total Removed: _____ 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 #: EOT 1015C
Project Name: HDO 90-23
Project Location: Monument Draw Lea County, N.M.

Sampling Date: 11/03/99
Receiving Date: 11/06/99
Analysis Date: 11/06/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21398	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
21399	MW-3	1.90	<0.100*	2.06	0.180	<0.100*
21400	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
21401	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
21402	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
21403	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		105	101	102	103	102
% EA		103	98	98	99	98
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

*NOTE: Higher detection level due to elevated hydrocarbon levels.

METHODS: SW 846-8021,5030

Celey D. Keene

Celey D. Keene

11/8/99
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 035

Project Manager: Jesse Taylor

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

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

Project #: EOT 1015 C

Project Name: HDO 90-23

Project Location: Monument Draw Lea County New Mexico

Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
21398	MW 1	2	V	X					X		X			11-3-99	1630	X							
21399	MW 3														1455								
21400	MW 4														1420								
21401	MW 5														1430								
21402	MW 7														1600								
21403	MW 8														1615								

Relinquished by:	Date:	Times:	Received by:
Simon Casas	11-5-99		
[illegible]	6 Nov 99	1308	[illegible]
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: mail results to K. Dutton

Invoice: Lennah Frost PO # 1015M

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 #: EOT 1015C
Project Name: HDO 90-23
Project Location: Monument Draw Lea County, N.M.

Sampling Date: 11/03/99
Receiving Date: 11/06/99
Analysis Date: 11/06/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21398	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
21399	MW-3	1.90	<0.100*	2.06	0.160	<0.100*
21400	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
21401	MW-5	<0.001	<0.001	<0.001	<0.001	<0.001
21402	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
21403	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		105	101	102	103	102
% EA		103	98	98	99	98
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

*NOTE: Higher detection level due to elevated hydrocarbon levels.

METHODS: SW 846-8021,5030

Celey D. Keene

Celey D. Keene

11/8/99
Date