AP - <u>017</u>

ANNUAL MONITORING REPORT

YEAR(S):

ANNUAL MONITORING REPORT

EOTT ENERGY CORP. TNM 97-17 LEA COUNTY, NEW MEXICO Č

2

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

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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 February 3, May 13, August 24 and November 5, 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 5, 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 0.003 ft/ft to the south-southeast. The depth to groundwater, as measured from the top of the well casing, ranged between 20.72 to 22.60 feet.

On November 5, 1999, 0.96 feet of PSH was detected in monitoring well MW-4. This was the first monitoring event for the recently completed well. Recovery of PSH from the well will be implemented in early February 2000, utilizing a down-hole skimmer pump as described in the recently approved Abatement Plan.

LABORATORY RESULTS

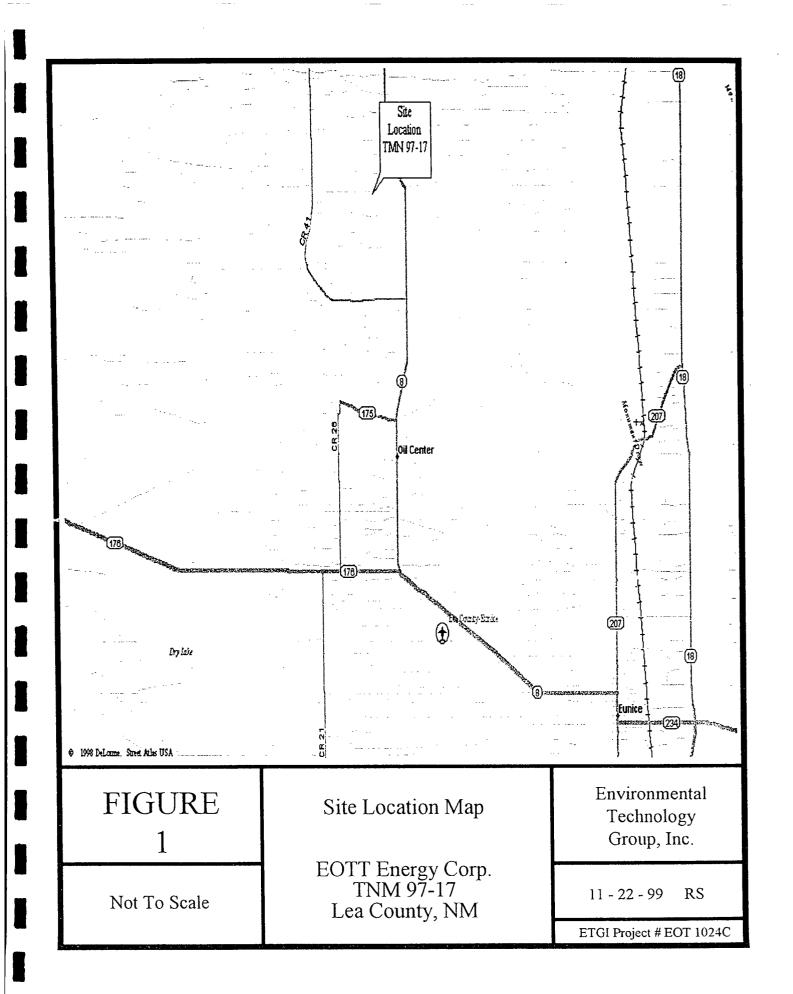
Ground water samples obtained during the first two sampling events were mailed to Xenco Laboratories in San Antonio, Texas. Ground water samples collected during the latter two events were hand delivered to Environmental Laboratory of Texas, Midland, Texas for determination of benzene, toluene, ethylbenzene 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 all of the site ground water samples, obtained during the 1999 annual period, indicated that BTEX concentrations were below detection limits.

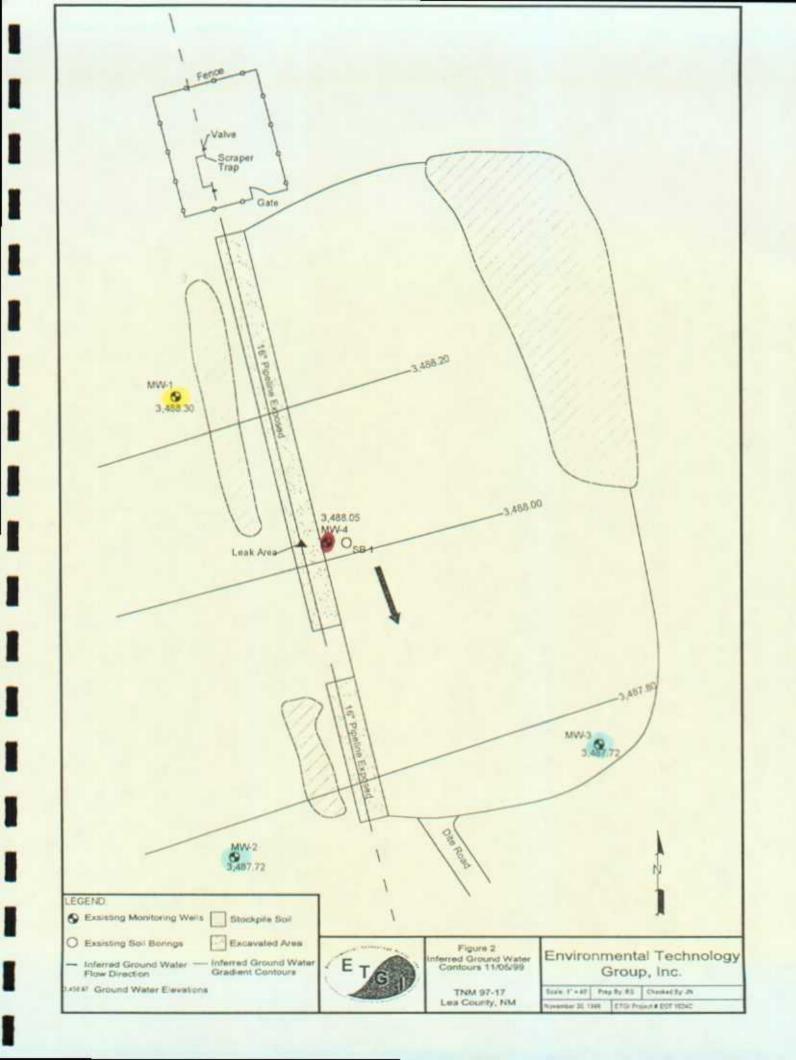
SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 1999. On November 5, 1999, 0.96 feet of PSH was detected in monitoring well MW-4. This was the first monitoring event for the recently completed well. Recovery of PSH from the well will be implemented in early February 2000, utilizing a down-hole skimmer pump as described in the recently approved Abatement Plan.

Dissolved phase concentrations of BTEX were non-detect in all of the monitoring wells. The ground water gradient is to the south-southeast at a slope of 0.003 ft/ft. There is no evidence of off-site impact as a result of PSH or dissolved phase constituent migration in the ground water.

FIGURES





TABLES

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TABLE 1 GROUNDWATER ELEVATION TABLE TNM 97-17 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	02/03/99	3,510.90	-	22.46	0.00	3,488.44
MW-1	05/13/99	3,510.90	-	22.11	0.00	3,488.79
MW-1	08/24/99	3,510.90	-	23.09	0.00	3,487.81
MW-1	11/05/99	3,510.90	-	22.60	0.00	3,488.30
MW-2	02/03/99	3,509.23	-	21.47	0.00	3,487.76
MW-2	05/13/99	3,509.23	-	21.11	0.00	3,488.12
MW-2	08/24/99	3,509.23	-	21.88	0.00	3,487.35
MW-2	11/05/99	3,509.23	-	21.51	0.00	3,487.72
MW-3	02/03/99	3,508.82	-	21.06	0.00	3,487.76
MW-3	05/13/99	3,508.82	-	20.72	0.00	3,488.10
MW-3	08/24/99	3,508.82	-	21.43	0.00	3,487.39
MW-3	11/05/99	3,508.82	-	21.10	0.00	3,487.72
MW-4	11/05/99	3,509.15	20.96	21.92	0.96	3,488.05

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TABLE 2 GROUND WATER CHEMISTRY TNM 97-17 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	02/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	05/13/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	08/23/99	<0.001	<0.001	0.004	<0.001	<0.001
MW-1	11/04/99	<0.001	<0.001	0.004	<0.001	<0.001
MW-2	02/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-2	_05/13/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-2	08/23/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	02/03/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-3	05/13/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-3	08/23/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001

Methods: EPA SW 846-8020, 5030

APPENDIX A



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

February 8, 1999

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

Reference: <u>SENCO Report No.:</u> -90447 Project Name: TNMPL Project ID: 810051-1-0 Project Address: Lea Co,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 -90447.r 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. -90447r 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, I

QA/QC Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY!

0	Laboratories

ANALYTICAL CHAIN L. CUSTODY REPORT

CHRONOLOGY OF SAMPLES

KEI Consultants, Inc.

Project Name: TNMPL

Project ID: 810051-1-0 Project Manager: S. Grover/T. Nix

Project Location: Lea Co,NM

XENCO COC#: -90447 Date Received in Lab: Feb 4, 1999 10:20 by LY XENCO contact : Carlos Castro/Karen Olson

							Date	Date and Time	
Field ID		Method	Method	111160	Turn Turn	Sample	Addition		
		Name	<u>0</u>	e lino	Around	Around Collected Requested	Requested	Extraction	Analysis
1 MW-1	90447-001 BTEX	втех	SW-848	mqq	10 days	ppm 10 days Feb 3, 1999 11:00		Feb 6, 1999 by HL	Feb 8, 1999 23:46 by HL
2 MW-2	90447-002 BTEX	втех	SW-848	bpm	10 days	ppm 10 days Feb 3, 1099 11:30		Feb 6, 1999 by HL	Feb 7, 1998 00:04 by HL
3 MW-3	90447-003 BTEX	втех	SW-846	mqq	10 days	ppm 10 days Feb 3, 1999 12:00		Feb 6, 1999 by HL	Feb 7, 1899 00:03 by HL

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CERTIFICATE OF ANALYSIS SUMMARY -90447

KEI Consultants, Inc. Project Name: TNMPL

Project ID: 810051-1-0 Project Manager: S. Grover/T. Nix Project Location:Lea Co,NM

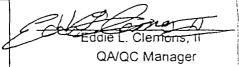
Date Received in Lab : Feb 4, 1999 10:20 Date Report Faxed: Feb 8, 1999

XENCO contact: Carlos Castro/Karen Olson

Anglusia Democrated	Lab ID: Field ID: Depth:	90447 00 MW-1	01	90447 (MW-2	-	90447 0 MW-3		
Analysis Requested	Matrix: Sampled:	Liquid 02/03/99 1	1:00	Liquid 02/03/99		Liquid 02/03/99 1		
BTEX	Analyzed:		R.L.	02/07/99	R.L.	02/07/99	R.L.	
EPA 8021B	Units:	ppm		ppm		ppm		
Benzene	<u></u>	< 0.001	(0.001)	> < 0.00	1 (0.001)	< 0.00	(0.001)	
Toluene		< 0.001	(0.001)) < 0.00	1 (0.001)	< 0.00	(0.001)	
Ethylbenzene		< 0.001	(0.001)	> < 0.00	1 (0.001)	< 0.00	(0.001)	
m,p-Xylene		< 0.002	(0.002)	< 0.00	2 (0.002)	< 0.002	2 (0.002)	
o-Xylene		< 0.001	(0.001)	< 0.00	1 (0.001)	< 0.00*	(0.001)	
Total BTEX	······································		N.D.	<u></u>	N.D.	ĺ	N.D.	

This report summary, and the entire report it represents, has been made for the exclusive and confidential use of KEI Consultants, Inc..

The interpretations and results expressed through this analytical report represent the best judgment of XENCO Laboratories. Xenco Laboratories, however, assumes no responsibility and makes no warranty to the end use of the data hereby presented.



XENCO		certificate	Certificate Of Quality Control for Batch :	ty Contr	ol for B	atch: '	Certificate Of Quality Control for Batch : 19A25A68				:
			SW- 846	6 5030/8021R	02113	R'FEX					
Date Validated: Feb 8, 1999 12:00 Date Analyzed: Feb 6, 1999 17:45	2:00 7:45					Anal) Matr	Analyst: HL Matrix: Liquid)			
			BLAN	IK SPIKE /	BLANK SP	IKE DUPLI	ANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY	SCOVERY			
	[A]	[8]	[0]	[a]	E	Blank	F	[0]	[H]	[]	5
	Blank	Blank Spike	Blank Spike	Blank		Limit	ac	gc	gc	Blank Spike	<u></u>
Parameter	Result	Result	Duplicate	Spike	Detection	Relative	Spike Relative	Blank Spike	B.S.D.		Qualifier
			Result	Amount	Limit	Difference	Difference	Recovery	Recovery	Range	
	ррт	тдд	mdd	bpm	mdd	%	%	%	%	%	
Benzene	< 0.0010	0.1050	0.1040	0.1000	0.0010	20.0	1.0	104.9	103.9	65-135	
Toluene	< 0.0010	0.1050	0.1040	0.1000	0.0010	20.0	1.0	104.9	103.9	65-135	
Ethylbenzene	< 0.0010	0.1050	0.1030	0.1000	0.0010	20.0	1.9	104.9	102.9	65-135	
m.p-Xylene	< 0.0020	0.2140	0.2090	0.2000	0.0020	20.0	2.4	107.0	104.5	65-135	
o-Xylene	< 0.0010	0.1090	0.1070	0.1000	0.0010	20.0	1.9	108.0	106.9	65-135	
	;										
Spike Relative Difference [F] = 200°(B-C)/(B+C)	-(B-C)/(B+C)										

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. = Delow detection limit or not detected All results are based on MD1, and valuated for QC purposes

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Eddie L. Clerfrons, II QA/QC Manager

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11381 Meadowglen, Suite C Houston IX 7/082 281-389-0692	5309 Wurzbach Road, Sulte 104, San Antonio, 1X 72338 210-509-3334 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999	Phone Phone Factor	Project ID	H		MAWTHORNE	1 S ~	ce with Final Report Attn PM		P.O Nog 1 pg5/-/-pD Call for a P.O.	APP See Lab PM Call Proj. PM)			with standthend an Huitha		Container Size Container Siz	X2 V CAL	1.24								d Signature) Relinquished to (Initials and Signature		antra	Lab To wind and the set of the se
		Company 1/2-7	Project Name A Previously c T & M P L	ro N	PM)	S. GROVER / T. WTX	A PM and	~	- 1	Quole No.	Special DLs (RR I RR II DW QAPP See Lab PM Call Proj. PM)	Specifications		Sampler Name 1/		Sample ID Dc	1 HW-1 63FE	2 4 40-2	1	4	5	\$ 4	8	6	10	Relinquished by (Initials and Signature)		2	3

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

May 20, 1999

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

Reference: XENCO Report No.: -91939 Project Name: EOTT Project ID: 810051-1-0 Project Address: Lea County, NM

Dear Stan Grover.

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -91939.v All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -91939v 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

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ANALYTICAL CHAIN U. CUSTODY REPORT CHRONOLOGY OF SAMPLES

OUNOROGI OF SAMPLES

KEI Consultants, Ltd.

Project Name: EOTT

Project ID: 810051-1-0 Project Manager: Stan Grover Project Location: Lea County, NM

XENCO COC#: -91939 Date Received in Lab: May 14, 1999 09:45 by JO XENCO contact : Carlos Castro/Debbie Simmons

							Date	Date and Time	
Field ID	Lab. JD	Method Namo	Method ID	Units	Turn Around	Turn Sample Around Collected	Addition Requested	Extraction	Addition Requested Extraction
1 <u>MW-1</u>	91939-001 BTEX	BTEX	SW-846	mdq	7 days	ppm 7 days May 13, 1999 08:20		May 18, 1999 by MGC	May 18, 1999 by MGC May 18, 1999 16:46 by MG
2 MW-2	91939-002 BTEX	втех	SW-846	шdd	7 days	ppm 7 days May 13, 1999 09:16		May 18, 1999 by MGC	May 18, 1999 by MGC May 18, 1999 16:08 by MG
5 MW-3	91939-003 BTEX	втех	SW-846	mqq	7 days	ppm 7 days May 13, 1999 09:00		May 18, 1999 by MGC	May 18, 1999 by MGC May 18, 1999 18:32 by MG

Page



CERTIFICATE OF ANALYSIS SUMMARY -91939

KEI Consultants, Ltd. Project Name: EOTT

Project ID: 810051-1-0 Project Manager: Stan Grover Project Location: Lea County, NM

Date Received in Lab: May 14, 1999 09:45 Date Report Faxed: May 20, 1999

XENCO contact : Carlos Castro/Debbie Simmons

	Lab ID: Field ID:	91939 MW		91939 00 MV-2	02	91939 0 MV-3	03	
Analysis Requested	Depth: Matrix: Sampled:	Liqu 05/13/99		Liquid 05/13/99 05	9:15	Liquid 05/13/99 0		
BTEX	Analyzed:		R.L.	05/18/99	R.L.	05/18/99	R.L.	
EPA 8021B	Units:	ppm	7	ppm		ррт	, <u>.</u> .	
Benzene		< 0.00	0.001)	< 0.001	(0.001)	< 0.001	(0.001)	
Toluene		_< 0.00	01 (0.001)	< 0.001	(0.001)	< 0.001	(0.001)	
Ethylbenzene		< 0.00	0.001) (0.001)	< 0.001	(0.001)	< 0.001	(0.001)	
m,p-Xylene		< 0.00	02 (0.002)	< 0.002	(0.002)	< 0.002	(0.002)	
o-Xylene		< 0.00	0.001) (0.001)	< 0.001	(0.001)	< 0.001	(0.001)	
Total BTEX			N.D.		N.D.		N.D.	

his report summary, and the entire report it represents, has been made for the exclusive and confidential use of KEI Consultants, Ltd..

The interpretations and results expressed through this analytical report represent the best judgment of XENCO Laboratories. Xenco Laboratories, however, assumes no responsibility and makes no warranty to the end use of the data hereby presented.





Certificate Of Quality Control for Batch 1. 19A03C11 and the second second いいちょう というのう というのうちょう

RETEX SW- 846 5030/8021B

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

Analyst: MG

Matrix: Liquid

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			BLAN	VK SPIKE / BLA	BLANKSP	SPIKE DUPLIC	ANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY	ECOVERY			
	[v]	[8]	[0]	[a]	[E]	Blank	E	[0]	Ξ	Ξ	[7]
	Blank	Blank Spiko	Blank Spiko	Blank		Llmit	qc	ac	qc	Blank Spike	
Parameter	Result	Result	Duplicato	Spike	Detection	Relative	Spike Relative	Blank Spike	B.S.D.	Recovery	Qualifier
			Result	Amount	Llmit	Difference	Difference	Recovery	Recovery	Range	
	mqq	bbm	mdd	mqq	mqq	*	%	%	*	*	
Benzene	< 0.0010	0.0961	0.0933	0.1000	0.0010	20.0	3.0	96.1	93.3	65-135	
Toluene	< 0.0010	0.0947	0.0920	0.1000	0.0010	20.0	2.9	94.7	92.0	65-135	
Ethylbenzene	< 0.0010	0.1030	0.1001	0.1000	0.0010	20.0	2.0	103.0	100.1	65-135	
m.p-Xylene	< 0.0020	0.1958	0.1907	0.2000	0.0020	20.0	2.6	6.79	95.4	65-135	
o-Xylene	< 0.0010	0.0922	0.0900	0.1000	0.0010	20.0	2.4	92.2	0.00	65-135	

 N_1D_* = Below detection limit or not detected All results are based on MOL and validated for QC purposes Spike Relative Difference [F] = $200^{\circ}(B-C)/(B+C)$ Blunk Spike Recovery [G] = 100*(B-A)/[D] B.S.D. Recovery [H] = 100*(C-A)/[D] D.S.D. = Dlank Spike Duplicate

Houston - Dollos - Son Antonio

Eddie L. Clemons, 1 QA/QC Manager 2

Рапо

	Page / of /	Lab Only Additions	Jays	S From: From: From:	λ:	RCV E RCV E			etc etc	DC				е 	 2			e:	n. All Terms Apply
ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD On-LINE Help & Technical Services at XENCO.com	Company COC No: 336 Work Order No:	Labonly: 91939 - SA	TAT: 51 121 201 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		۲) ا۳۹ ())))))))))))))))))	24 Oil 292 See 254 Ui 295 See 266 266 266 266 266 266 266 266 266 2	299 299 299 299 201 201 201 201 201 201 201 201 201 201	03 CC 03 CC 10 10 10 10 10 10 10 10 10 10 10 10 10	82 266 KC 101 P 101 P 10 P 10	12C3 83 8108 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C€ ∧∧∈ 000 5 000 5 0000 5 0000 0000 0000 0000 00000 00000	2300 YG X310 2500 YC X310 2001 XT Yd H9T 0728 Yd 2404 0728 Yd 240V 0728 Yd 240V) Dale & Tyne Total Containers per COC: (13 MAY99 //6/5 Rush TATS Fax Due: Final Fax Due	$\frac{1}{2} = \frac{1}{2} $
Time 11381 Maadowglan, Sulta L. Houston TX 77082 281-589-0692 XIII P 5309 Wurkbach Road, Sulta 104. San Antonio, TX 78238 210-509-3334		ET (210) AD-3767	Project ID 810051-1-0	COUNTY NH		$\left \frac{\alpha}{2}\right \frac{\beta}{2}$ $\left \frac{\alpha}{2}\right \frac{\beta}{2}$ $\left \frac{\alpha}{2}\right \frac{\beta}{2}$ $\frac{\beta}{2}$ $\left \frac{\alpha}{2}\right $ involce $\left \frac{\beta}{2}\right $		Spocial Dis (RR I RR II DW GAPP Seo Lab PM Call Proj. PM)	Specifications		Sampler Name ((e. /) / 100 Signature) en 1200	Sample D BTEX by 6020 Freservatives Freservatives BTEX by 6020 Freservatives	W X 2 - C R C	->- ->			Relinquispect W (mitcill and Signature) Relinquished to (Initials and Signature	KD You Watton	Prosorvalivos - Varianis (V), 11C1 p11<2 (11), 1125O4 p11<2 (5), 11O4 p11 \rightarrow 2 (5), 11O4 p11 \rightarrow 2 (0), NGOI (\rightarrow Asbc Act

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DATE	DEPTH TO PSH ((cet)								
	1999 TIME SAMPLE TAKENUDATE 1319 8-23	1240 8-23 1255	ר ק פ						
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FIELD TECHNICIAN:	CALC. WELL VOLUME (13x4)=5 (13x4)=5	1. 63 Mar Mar	nem nem	Man	Man	ucM	Man	Man 14.3	
FIELDTEC	WELL FACTOR 21=16 21=16 4 -//	المحمد المحمد المحمد المحمد	Lock:	Lock:	Lock:	Lock:	Lock:	Lock: Tolal Renioved:	COMMENTS:
	HEIGHT WATER COLUMN (red) (1-2)=3 (1-2)=3	Lusing 10,22 Casing 8.99	Casing:	Casing:	Casing:	Casing:	Casing:	Casing	
17	a ≥≂ Q	21.88 21.88 Cap: 21.43	Cap:	Cap:	Cap:	Capi	Cap:	Capi	
- 26	TOTAL WELL DEPTH (feel) (feel)	сочет. 32.1 ф Сочет. 3 ф. 4 Д	Cover:	Cover:	Cover:	Cover:	Cover:	Cover:	
TWM	TIME WELL PURGED	1325 1200							DRUMS ON SITE:
JOB NO.:	well но. <i>Н∞-</i>	CONDITION: MW-2 CONDITION: MW-2	CONDITION: CONDITION	CONDITION:	CONDITION:	CONDITION:	CONDITION	CONDITION:	DRUMS ON SITE:

(51)



"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

) : Water

Sample Type: Water Sample Condition: Intact/ Iced/HCl Project #: TNM 97-17 Project Name: None Given Project Location: Lea County, N.M. Sampling Date: 08/23/99 Receiving Date: 08/27/99 Analysis Date: 08/27/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m.p-XYLENE (mg/L)	o-XYLENE (mg/L)
19615	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
19616	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
19617	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	97	92	93	91	92
% EA	97	89	85	86	86
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Reland K. Tuttle

<u>9-7-99</u> Date

Environmen	Environmental Lab of Texas, Inc. 12600 West 1-20 East (915) 563-1800	(S, Inc. 12600 West) (915) 5	West I-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713		EAIN-OF-C	υ≲τοργ βε	COC: PP5 P 1 1 1 CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	, pp5 1 Sis request	· 5
Project Manager: 77 Profect 12	Tayloo	Phone #: FAX #:	(415) 664-9166			ANALYS	ANALYSIS REQUEST		
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GROUND WATER MONIFORING AND SAMPLING DATA

JOB NO.: JN M 97-17

FIELD TECHNICIAN: KD/5C

DATE: 11-5-89

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feel) 1	DEPTH DEPTH TO WATER ((cel) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=,16 4"=,55 6"=1.5		10JA 1 WATE R PURGED (gal)	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEHUDATE	DEPTH DEPTH TO PSH (feet)	PSH THICKNESS {(reel)	SAMPLE CHARACTERISTIC	
MW /	0937	133.80	22-60	11,20	.16	1.79	5.37	3.0	11-5		T 21.0	C/4.84 mS	
CONULTION:		Cover:	Cap:	Casing:	Lock:	DWIEM	ManvoayPad:		1230		ph Zuy	0137 MV	•
MW 2	1222	32,10	21.51	10.59	97,	1.69	5.08	3.0	11-5			C 14.10 ms	<u></u>
CONDITION:		Cover:	Cap:	Casing:	Lock:	be the work	t yPrad:		1250			0 163 m/	
MW3 K	2/230	30.16	21.10	9.06	97.	1.44	4.34	N.0	11-5			C /2.21 MS	
CONDITION:		Cover:	Cap:	Casing:	Lock:	Maiwayinad:	iyihad:		1307		2h 7.34	o 93 mV	
Mw4			21.92						i		0.96		
CONDITION		Cover:	Cap:	Casing:	Lock:	Marway/Pad	r⊾/Perd;			20.96			
													-
CONDITION:		Cover:	Cap:	Casing:	Lock:	hermony hermony	l y∞lPc3 td:						
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CONDITION		Cover:	Cap:	Casing:	Lock:	ManwayrPaci	webact.						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Marway/ Pad	ny/ Pad.						
					Tolal Removed:			gal.					
DRIMS ON SUF-					COMMENTS:								
CARBON DRUM TRAILER: (yes/no)	LER: (yes/no)												
DISCHARGE SAMPLE (lime/dale):	: (lime/date):												

1113gwmo.doc

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August 2, 1996

ENVIRONMENTAL LAB OF $\prec \supset$, 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: TNM 97-17 Project Location: Lea County, N.M. Sampling Date: 11/05/99 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	
21395	MW-1	<0.001	<0.001	0.004	<0.001	<0.001	
21396	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001	
21397	MW-3	<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

METHODS: SW 846-8021.5030

lind Celey D. Keene

11/8/99

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

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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: Wate) Sample Condition: Intact/Iced/HCl Project #: EOT 1015C Project Name: TNM 97-17 Project Location: Lea County, N.M. Sampling Date: 11/05/99 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	
21395	MW-1	<0.001	<0.001	0.004	<0.001	<0.001	
21396	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001	
21397	MW-3	<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

METHODS: SW 846-8021,5030

/ UMI Celey D. Keene