



ANNUAL MONITORING REPORT

MESCALERO RIDGE

LINK REF: 2001-10917

IR-409

NE¼ OF THE SE¼ OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 35 EAST
LEA COUNTY, NEW MEXICO

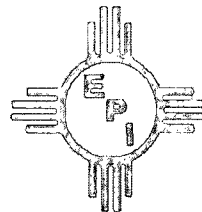
~21 MILES WEST (254°) OF
HOBBS, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 39' 25" LONGITUDE: W103° 28' 21"

MARCH 31, 2004

PREPARED BY:

Environmental Plus, Inc.

2100 Avenue O
P.O. Box 1558
Eunice, NM 88231
Phone: (505)394-3481
FAX: (505)394-2601



FIGURES

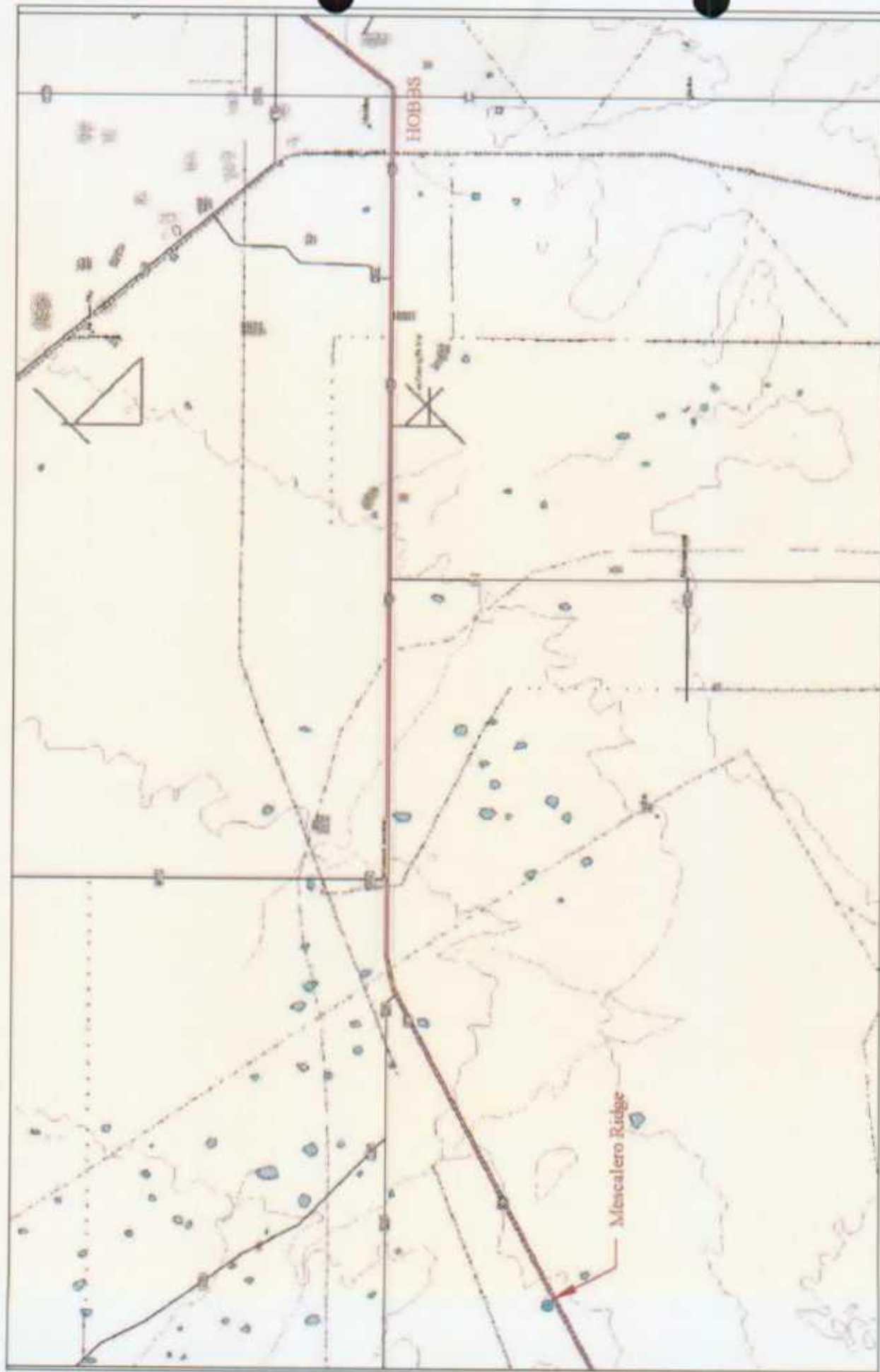
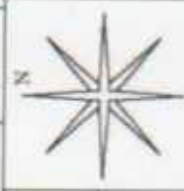


Figure 1
Area Map
Link Energy, LLC
Mescalero Ridge

Lea County, New Mexico
NE 1/4 of the SE 1/4, Sec. 17, T19S, R35E
N 32° 39' 25.0" W 103° 28' 21.0"
Elevation: 3,829 feet amsl

DWG By: Iain Olness
March 2004

REVISED:



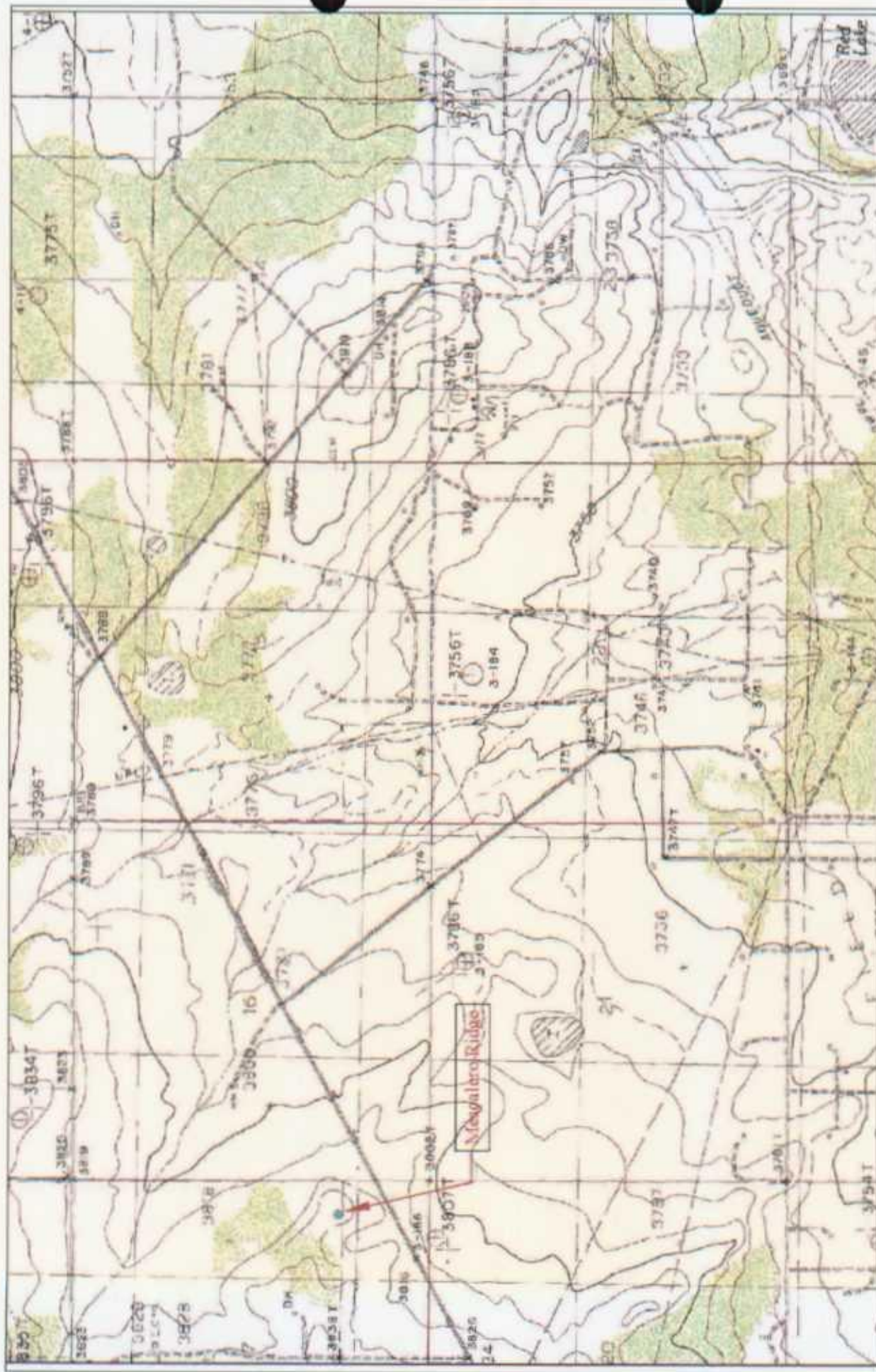


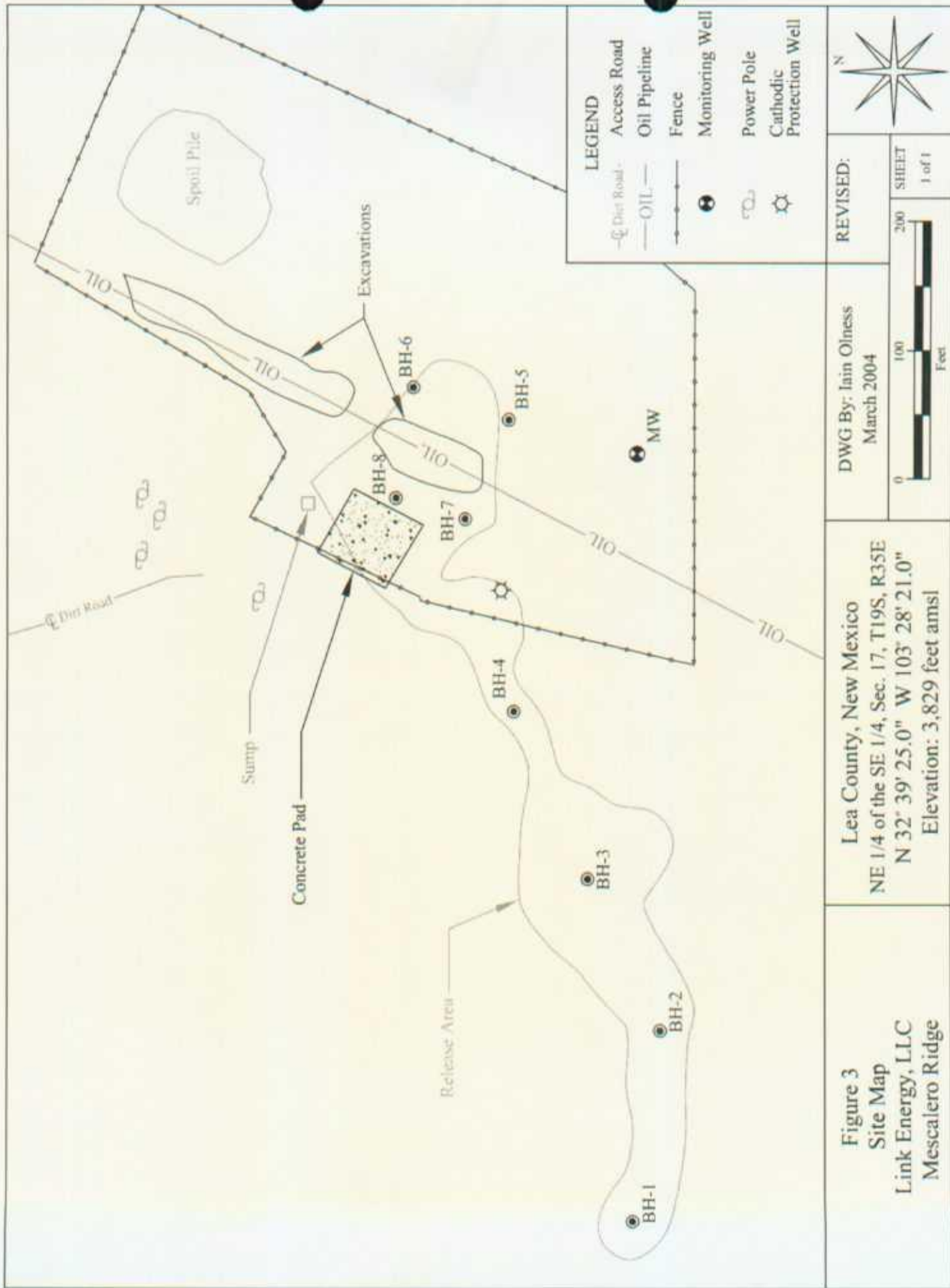
Figure 2
Site Location Map
Link Energy, LLC
Mescalero Ridge

Lea County, New Mexico
NE 1/4 of the SE 1/4, Sec. 17, T19S, R35E
N 32° 39' 25.0" W 103° 28' 21.0"
Elevation: 3,829 feet amsl

DWG By: Iain Olness
March 2004

REVISED:

0 2,000 4,000 Feet
SHEET 1 of 1



TABLES

TABLE 1**RELATIVE GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON THICKNESSES****Mescalero Ridge - Ref #2001-10917**

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)
MW	10-Jun-02	3,825	--	38.95	3,786.05	--
	19-Mar-03	3,825	--	38.94	3,786.06	--
	18-Sep-03	3,825	--	39.08	3,785.92	--
	15-Jan-04	3,825	--	39.03	3,785.97	--

* = Top of casing elevation set from USGS Topographical map

** Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness))

-- = Not detected

TABLE 2

Summary of Groundwater Analytical Results

Mescalero Ridge - Ref #2001-10917

Monitor Well Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Total Dissolved Solids (mg/L)	Total TPH (mg/L)
MW	24-Apr-01	3,350	6,120	1,820	1,330	647	1,977	41	434	6.2
	10-Jun-02	1.55	1.54	<1	<1	<1	<2			
	19-Mar-03	<1	<1	<1	<1	<1	<2			
	18-Sep-03	<1	<1	<1	<1	<1	<2			<1
	15-Jan-04	<1	<1	<1	<2	<1	<3			
NMOCD Remedial Thresholds		10	750	750			620	250	1,000	

*Bolded values are in excess of the NMOCD Remediation Thresholds or Other Standards for Domestic Water Supply.**If cell is blank, then that parameter was not analyzed**NS : Not Sampled*

APPENDICES

APPENDIX A

GROUNDWATER ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 2100 Ave. O

Euinec

NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 140824 **Report Date:** 04/02/03

Project ID: 2001-10917

Sample Name: WEMR31903MW

Sample Matrix: water

Date Received: 03/27/2003 **Time:** 10:20

Date Sampled: 03/19/2003 **Time:** 11:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/31/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/31/03	8260b	---	9.9	91	97.3	83.3
Ethylbenzene	<1	µg/L	1	<1	03/31/03	8260b	---	6.6	106.5	105.2	105.5
m,p-Xylenes	<1	µg/L	1	<1	03/31/03	8260b	---	5.8	113.4	106.3	109.1
o-Xylene	<1	µg/L	1	<1	03/31/03	8260b	---	6.2	112.2	104	108.9
Toluene	<1	µg/L	1	<1	03/31/03	8260b	---	10.8	98.7	101.7	88.9

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-10917

Sample Name: WEMR31903MW

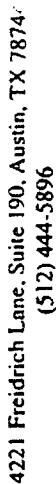
Report#/Lab ID#: 140824

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	108	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



Bill to (if different):

Company Name FOTT Every
Address 5805 Hwy 80

City Midland State/Tx Zip 79701
ATTN: Frank Hexbuden

Phone 915-638-3999 Fax _____

100

Brooklyn Bk.

Analyses Requested (1)

Please attach explanatory information as required.

[illegible]

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants (ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

$$T = 4.3^{\circ}\text{C}$$

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Buddy Dine	EP	3/19/03	Melanie Humphrey	ASI	3/27/03
					10:20

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 2100 Ave. O

Eunice

NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 147528 **Report Date:** 09/29/03

Project ID: 2001-10917

Sample Name: WEMR91803MW

Sample Matrix: water

Date Received: 09/23/2003 **Time:** 09:30

Date Sampled: 09/18/2003 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	09/26/03	8015 mod.	---	9.9	78.1	90.6	86.7
TPH by GC (as diesel-ext)	---	---	---	---	09/24/03	3510	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	09/26/03	8015 mod.	---	10.7	71.6	85.4	80.9
Volatile organics-8260b/BTEX	---	---	---	---	09/24/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/24/03	8260b	---	10.1	95.4	83.7	90.9
Ethylbenzene	<1	µg/L	1	<1	09/24/03	8260b	---	0.4	101.3	108.6	100.5
m,p-Xylenes	<1	µg/L	1	<1	09/24/03	8260b	---	0.6	99.2	107.9	99.3
o-Xylene	<1	µg/L	1	<1	09/24/03	8260b	---	1.4	101.2	108.7	100.3
Toluene	<1	µg/L	1	<1	09/24/03	8260b	---	9.9	97.9	87.1	95.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

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1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-10917

Sample Name: WEMR91803MW

Report#/Lab ID#: 147528

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane p-Terphenyl	8015 mod.	74.5	50-150	---
	8015 mod.	76.7	50-150	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	94.6	80-120	---
	8260b	107	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Bill to (if diff. it):

Company Name East Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hardaker
Phone 915-638-3799 Fax

Project Name/PO#: 2001-10917 Sampler: Bradley R.

Sampler:

Analyses Requested (1)

Please attach explanatory information as required.

[illegible]

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants (ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Bradley, Blake	Exxonmobil Plus	9-18-03	Melanie Humphrey	ASI	9/23/03

(Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.)



GROUND WATER MONITORING REPORT

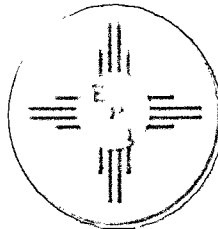
MESCALERO RIDGE STATION
Ref. # 2001-10917

Unit Letter-I (NE¼ of the SE¼) Section 17 T19S R35E
~21 miles west of Hobbs
Lea County, New Mexico
Latitude: 32°39'25"N Longitude: 103°28'21"W

February 2003

Prepared by

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
Tele 505 • 394 • 3481 FAX 505 • 394 • 2601



EXECUTIVE SUMMARY

On March 15, 2001, an estimated 25 barrels of crude oil was released from the E.O.T.T. Energy Pipeline (EOTT) Scarb 8" steel pipeline at the Mescalero Ridge Station located .5 miles north of US 62/180 approximately 21 miles west of Hobbs, New Mexico. The property is owned by Mr. Sam Bruton. The station site is no longer in use and has been decommissioned. The crude oil leak inundated a total area of 6,024 ft² and extended 210' southwest onto pasture land. Ground water occurs at the site at 37.3 feet below ground surface (' bgs) and is based on actual ground water level measurements. The New Mexico Office of the State Engineer website database shows an average water level of 30'bgs in Section 17, Township 19 South, Range 35 East in which the site is located.

GROUND WATER REMEDIATION

The initial work supplement plan proposed that a single monitor well to be installed immediately down gradient of the leak origin for the purpose of monitoring the natural attenuation of the CoCs. Because of the 20' diameter excavation, a borehole was not advance in the immediate area of the leak origin; nevertheless, to accurately identify the site water level and establish water quality, Borehole #8 (see attachment 1) was advanced to ground water and developed as a temporary monitor well and sampled. During development of the well, an oil sheen was observed on the purge water surface indicating a crude oil impact in excess of 20 NMAC 6.2.3103, i.e., "Non-aqueous phase liquid shall not be present floating atop or immersed within ground water, as can be reasonably measured." The NMOCD Hobbs and Santa Fe offices were notified verbally and in writing in accordance with NMOCD Rule 116 and the New Mexico Water Quality Control Commission (WQCC) Rule 1203. Analytical results indicated that the ground water was protectable; i.e., Total Dissolved Solids (TDS) <10,000 mg/Kg and that the WQCC ground water Maximum Contaminant Levels (MCLs) for the CoCs had been exceeded. The WQCC MCLs are as follows; Benzene 0.01 mg/L, Toluene 0.75 mg/L, Ethyl Benzene 0.75 mg/L, m, p, o-Xylene 0.62 mg/L. Of the RCRA metals, Barium, Cadmium, and Chromium were detected above the WQCC standards, however, these were unfiltered samples and not considered representative of undisturbed water well effluent. Furthermore, these metals are not considered a part of the EOTT source term. The temporary well was removed and plugged to accommodate the excavation.

In accordance with the Ground water remediation strategy plan contained in the Mescalero Ridge Station Work Plan Supplement (page 6, 7.0) Environmental Plus, Inc. installed and developed a down gradient

monitor well on June 9, 2002. The data from the sampling event detected Benzene and Toluene but not over New Mexico WQCC standards. All monitor well data is included in Attachment 2.

Attachment I

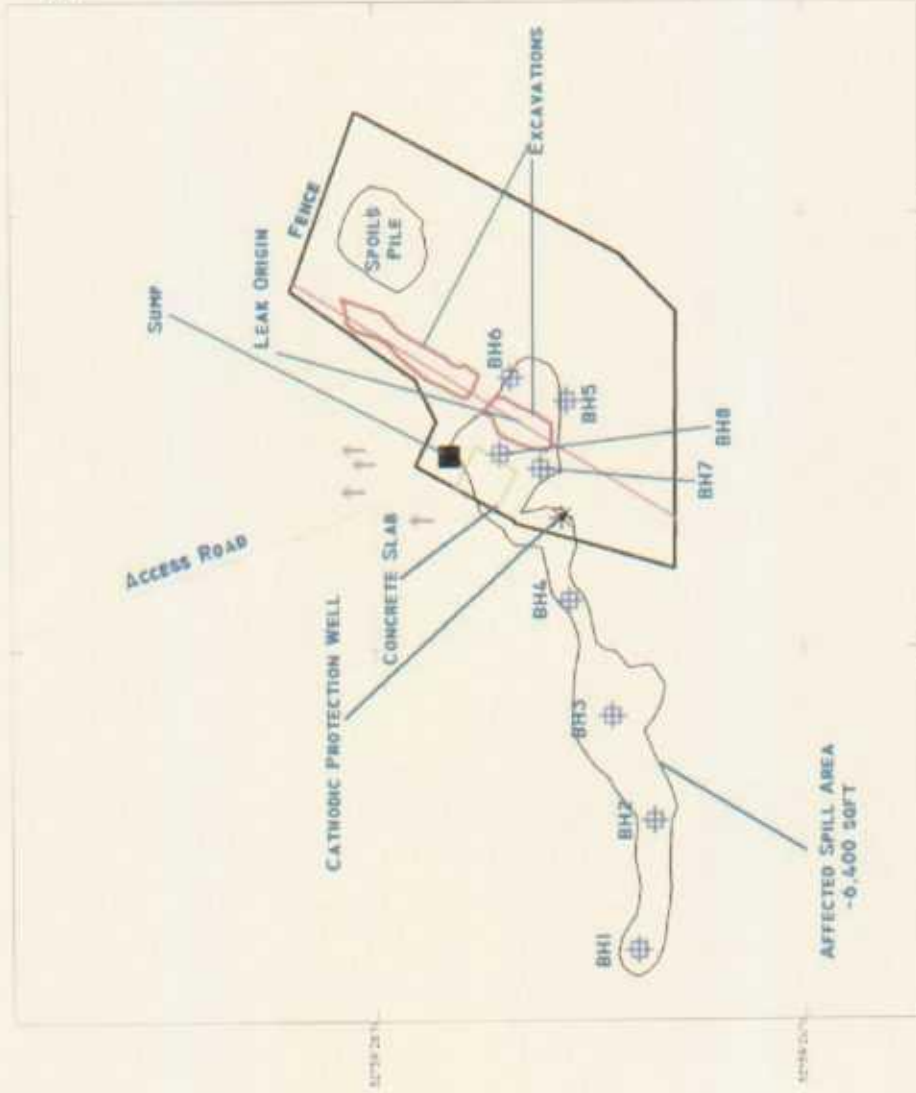
Site Map

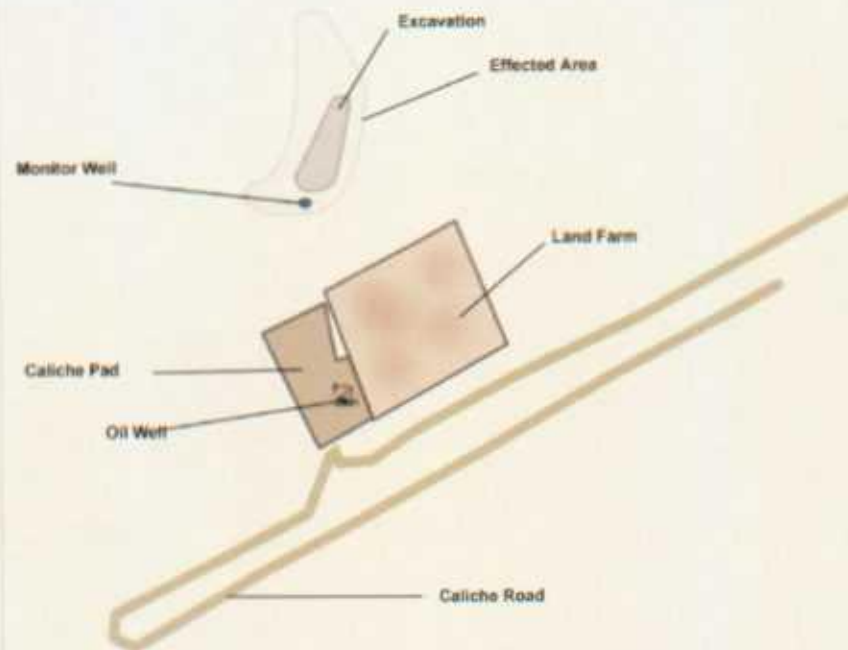
E.O.T.T.
 ENERGY PIPELINE
 MESCALERO
 RIDGE STATION
 UL-1 SEC 17
 T19S R35E
 LEA COUNTY
 NEW MEXICO
 GROUND WATER
 @ 37.3' BGS
 SAM BRUTON
 RANCH



L477.061
 8/11/2004

MESCALERO R35E T19S
 8/11/2004





E.O.T.T. Energy Pipeline
Mescalero Ridge Station Ref# 2001-10917
UI-1 Sec 17 T19S R35E Lea County New Mexico

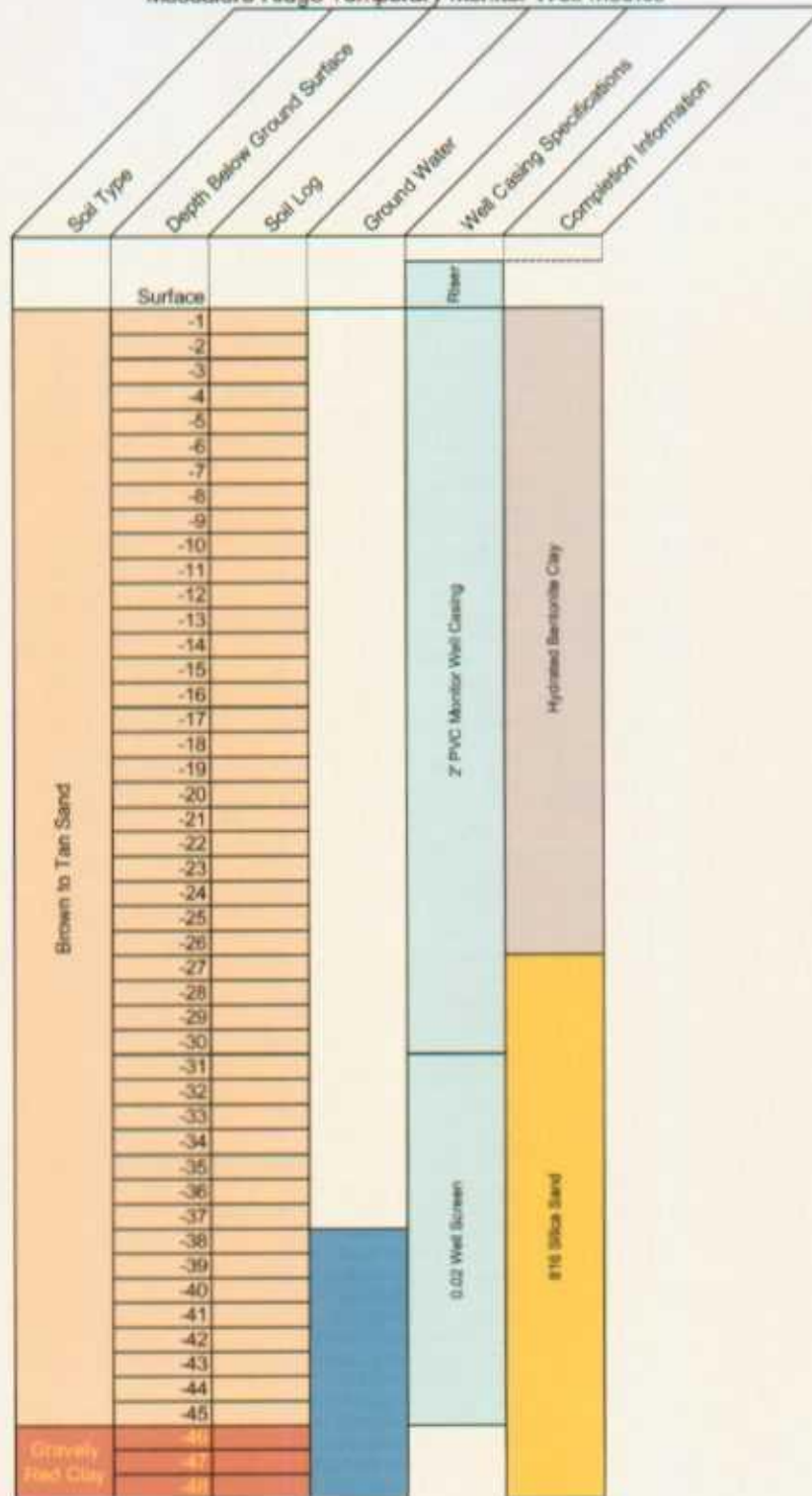
LAT/LONG
 WGS 1984



MULTIPLE FILES
 2/25/2003

Environmental Plus, Inc.
 PO Box 1088 Escondido NM 88521
 (505) 394-3481

Mescalero Ridge Temporary Monitor Well Metrics



Attachment II
Monitor Well Data

E.O.T.T. Energy Pipeline					
Mescalero Ridge Station Ground Water Data					
Parameter	Units	4/24/2001	5/10/2002	New Mexico WQCC ⁵ Ground Water	
		Temporary Monitor Well	Monitor Well		
		OW42401EMR-TW	WEMR61002MW		
		Environmental Lab of Texas	AnalySys Inc.		
TPH ¹ (GRO) ²	mg/L	4.8	N/A	no standard	
TPH (DRO) ³	mg/L	1.4	N/A	no standard	
TPH (DRO+GRO)	mg/L	6.2	N/A	no standard	
Benzene	mg/L	3.350	0.00155	0.01	
Toluene	mg/L	6.120	0.00154	0.75	
Ethyl Benzene	mg/L	1.820	<.001	0.75	
m, p-XYLENE	mg/L	1.330	<.001	na	
o-XYLENE	mg/L	0.647	<.001	na	
Total XYLENES	mg/L	1.977	<.001	0.62	
BTEX ⁴	mg/L	13.267	N/A		
Naphthalene	mg/L	0.025	N/A	0.03	
Acenaphthylene	mg/L	ND ⁵	N/A	0.03	
Acenaphthene	mg/L	ND	N/A	0.03	
Fluorene	mg/L	ND	N/A	0.03	
Phenanthrene	mg/L	ND	N/A	0.03	
Anthracene	mg/L	ND	N/A	0.03	
Fluoranthene	mg/L	ND	N/A	0.03	
Pyrene	mg/L	ND	N/A	0.03	
Benzo[a]anthracene	mg/L	ND	N/A	0.03	
Chrysene	mg/L	ND	N/A	0.03	
Benzo[b]fluoranthene	mg/L	ND	N/A	0.03	
Benzo[k]fluoranthene	mg/L	ND	N/A	0.03	
Benzo[a]pyrene	mg/L	ND	N/A	0.0007	
Indeno[1,2,3-cd]pyrene	mg/L	ND	N/A	0.03	
Dibenzo[a,h]anthracene	mg/L	ND	N/A	0.03	
Benzo[g,h,i]perylene	mg/L	ND	N/A	0.03	
Silver (Ag)	mg/L	ND	N/A	0.05	
Arsenic (As)	mg/L	0.065	N/A	0.100	
Barium (Ba)	mg/L	3.916	N/A	1.000	
Cadmium (Cd)	mg/L	0.030	N/A	0.010	
Chromium (Cr)	mg/L	0.143	N/A	0.050	
Mercury (Hg)	mg/L	ND	N/A	0.002	
Lead (Pb)	mg/L	ND	N/A	0.05	
Selenium (Se)	mg/L	ND	N/A	0.05	
Potassium (K)	mg/L	3.799	N/A	no standard	
Magnesium (Mg)	mg/L	10.35	N/A	no standard	
Calcium (Ca)	mg/L	43.12	N/A	no standard	
Sodium (Na)	mg/L	77.48	N/A	no standard	
Chloride (Cl)	mg/L	41	N/A	250	
Sulfate (SO ₄)	mg/L	96	N/A	600	
Bicarbonate (HCO ₃)	mg/L	206	N/A	no standard	
Carbonate (CO ₃)	mg/L	2	N/A	no standard	
Hydroxide (OH)	mg/L	NA	N/A	no standard	
Total Alkalinity	mg/L	NA	N/A	no standard	
Total Dissolved Solids (TDS)	mg/L	434	N/A	1000	
Conductivity (micromhos/cm)	umhos/cm	680	N/A	no standard	
pH	SU	7.63	N/A	6 to 9	
¹ TPH - Total Petroleum Hydrocarbon					
² GRO - Gasoline Range Organics C ₆ -C ₁₀					
³ DRO - Diesel Range Organics C ₁₀ -C ₂₅					
⁴ BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene					
⁵ WQCC - Water Quality Control Commission					

Attachment III
Original Analytical Reports

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENRON TRANSPORTATION SERVICES
ATTN: MR. WAYNE BRUNETTE
5805 EAST HWY 80
MIDLAND, TEXAS 79701
FAX: 915-684-3456
FAX: 505-394-2601 EPI

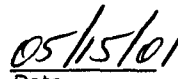
Sample Type: Water
Sample Condition: Intact/ Iced/-2.5 deg. C
Project #: 2001/10917
Project Name: Mescalero Ridge
Project Location: Sec 16 T19S R35E

Sampling Date: 04/24/01
Receiving Date: 04/27/01
Analysis Date: 04/28/01

ELT#	FIELD CODE	BENZENE mg/l	TOLUENE mg/l	ETHYLBENZENE mg/l	m,p-XYLENE mg/l	o-XYLENE mg/l
39810	GW42401EMR-TW	3.35	6.12	1.82	1.33	0.647
Reporting Limit		0.001	0.001	0.001	0.001	0.001
%IA		103	105	111	112	112
%EA		88	91	94	97	95
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030


Celey Keene


Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENRON TRANSPORTATION SERVICES
ATTN: MR. WAYNE BRUNETTE
5805 EAST HWY 80
MIDLAND, TEXAS 79701
FAX: 915-684-3456
FAX: 505-394-2601 EPI

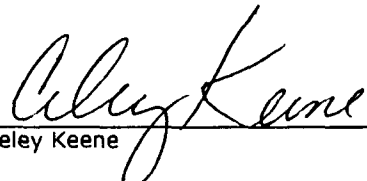
Sample Type: Water
Sample Condition: Intact/ Iced/-2.5 deg. C
Project #: 2001-10917
Project Name: Mescalero Ridge
Project Location: Sec 16 T19S R35E

Sampling Date: 04/24/01
Receiving Date: 04/27/01
Analysis Date: See Below

ELT#	FIELD CODE	pH s.u.	Specific Conductance uS/cm
39810	GW42401EMR-TW	7.63	680

REPORTING LIMIT	*	5
QUALITY CONTROL	7.01	1437
TRUE VALUE	7.00	1413
% IA	100	102
BLANK	*	<5
ANALYSIS DATE	04/30/01	04/30/01

METHODS: EPA 150.1, 120.1


Celey Keene

05/15/01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENRON TRANSPORTATION SERVICES
ATTN: MR. WAYNE BRUNETTE
5805 EAST HWY 80
MIDLAND, TEXAS 79701
FAX: 915-684-3456
FAX: 505-394-2601 EPI

Sample Type: Water
Sample Condition: Intact/ Iced/-2.5 deg. C
Project #: 2001-10917
Project Name: Mescalero Ridge
Project Location: Sec 16 T19S R35E

Sampling Date: 04/25/01
Receiving Date: 04/27/01
Analysis Date: 04/30/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/l	>C10-C28 mg/l
39810	GW42401EMR-TW	4.8	1.4

REPORTING LIMIT	0.5	0.5
QUALITY CONTROL	408	537
TRUE VALUE	500	500
% IA	82	107
% EA	83	109

METHODS: EPA SW 846-8015M


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Sample Type: Water
Sample Condition: Intact/ Iced/-2.5 deg. C
Project #: 2001/10917
Project Name: Mescalero Ridge
Project Location: Sec 16 T19S R35E

Sampling Date: 04/24/01
Receiving Date: 04/27/01
Analysis Date: See Below

ELT#	FIELD CODE	TDS mg/L	Chloride mg/L	Sulfate mg/L	Carbonate mg/L	Bicarbonate mg/L
39810	GW42401EMR-TW	434	41	96	<2	206

REPORTING LIMIT	5	10	0.5	2	2
QUALITY CONTROL	*	5140	50.6	*	*
TRUE VALUE	*	5000	50.0	*	*
% IA	*	103	101	*	*
RPD	2.64	1.40	5.07	0	1.43
BLANK	<5	<10	<0.5	<2	<2
ANALYSIS DATE	04/30/01	05/08/01	5/04/01	04/30/01	04/30/01

METHODS: EPA 375.4, 160.1, 310.0, SW846-9253


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Sample Type: Water
Sample Condition: Intact/ Iced/-2.5 deg. C
Project #: 2001-10917
Project Name: Mescalero Ridge
Project Location: Sec 16 T19S R35E

Sampling Date: 04/24/01
Receiving Date: 04/27/01
Analysis Date: 05/08/01
Analysis Date: Hg 05/14/01

TOTAL METALS (mg/l)

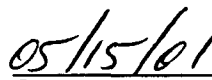
ELT #	Field Code	Ag	As	Ba	Cd	Cr	Hg	Pb	Se
39810	GW42401EMR-TW	ND	0.0652	3.916	0.0304	0.1429	ND	ND	ND

REPORT LIMIT	0.002	0.008	0.001	0.001	0.002	0.002	0.011	0.004
% IA	94	98	99	99	100	114	100	100
% EA	125	103	98	105	98	106	98	108
RPD	0.8	3.8	2.0	0	1.0	7.3	0	0
BLANK	<0.002	<0.008	<0.001	<0.001	<0.002	<0.002	<0.011	<0.004

ND= Not detected at report limit.

METHODS: EPA SW 846- 3005, 7470, 6010B


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MIDLAND, TEXAS 79701
FAX: 915-684-3456
FAX: 505-394-2601 EPI

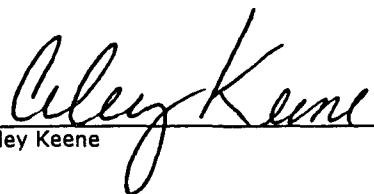
Sample Type: Water
Sample Condition: Intact/ Iced/-2.5 deg. C
Project #: 2001-10917
Project Name: Mescalero Ridge
Project Location: Sec 16 T19S R35E

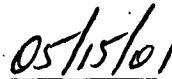
Sampling Date: 04/24/01
Receiving Date: 04/27/01
Analysis Date: 05/04/01

ELT#	FIELD CODE	Calcium mg/l	Potassium mg/l	Magnesium mg/l	Sodium mg/l
39810	GW42401EMR-TW	43.12	3.799	10.35	77.48

REPORTING LIMIT	0.01	0.05	0.001	0.01
%IA	100	101	100	101
%EA	102	82	106	90
RPD	6.35	12.5	1.78	12.9
BLANK	<0.01	<0.05	<0.001	<0.01

METHODS: EPA SW 846-6010B


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5805 EAST HWY 80
MIDLAND, TEXAS 79701
FAX: 915-684-3456
FAX: 505-394-2601 EPI

Sample Type: Water
Sample Condition: Intact/ Iced/ -2.5deg.C
Project #: 2001-10917
Project Name: Mescalero Ridge
Project Location: SEC 16 T19S R35E
Field Code: GW42401EMR-TW

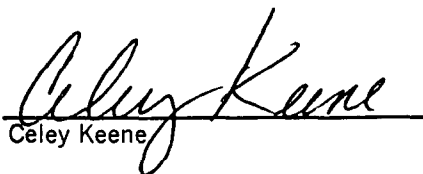
Sampling Date: 04/24/01
Receiving Date: 04/27/01
Extraction Date: 04/30/01
Analysis Date: 05/01/01

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 39810	RPD	%EA	%DEV
Naphthalene	0.005	0.025			6.4
Acenaphthylene	0.005	ND			-5.1
Acenaphthene	0.005	ND	1	104	-6.0
Fluorene	0.005	ND			-2.6
Phenanthrene	0.005	ND			1.5
Anthracene	0.005	ND			6.4
Fluoranthene	0.005	ND			-9.6
Pyrene	0.005	ND	5	92	-18.1
Benzo[a]anthracene	0.005	ND			-14.8
Chrysene	0.005	ND			-5.7
Benzo[b]fluoranthene	0.005	ND			-0.3
Benzo[k]fluoranthene	0.005	ND			-13.8
Benzo[a]pyrene	0.005	ND			-8.3
Indeno[1,2,3-cd]pyrene	0.005	ND			-2.4
Dibenz[a,h]anthracene	0.005	ND			3.1
Benzo[g,h,i]perylene	0.005	ND			0.8

% RECOVERY

Nitrobenzene-d5 SURR	55
2-Fluorobiphenyl SURR	56
p-Terphenyl-d14 SURR	60

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510


Céley Keene


Date

**12600 West I-20 East
Odessa, Texas 79763**

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Wayne Brunette

Project Manager: WAYNE BRAUNETTE

Company Name ENRON TRANSPORTATION SERVICES

Company Name ENRON TRANSPORTATION SERVICES

Company Address: 5805 East Highway 80

City/State/Zip: Midland TX 79701

Telephone No: 915.556.0190 or 684.3479

Fax No: 915.684.3451

Sampler Signature:

Project Manager: Wayne Brunette

Company Name ENRON TRANSPORTATION SERVICES

Company Address: 5805 East Highway 80

City/State/Zip: Midland TX 79701

Telephone No: 915.556.0190 or 684.3479

Fax No: 915.684.3451

Sampler Signature:

[illegible]

Special Instructions:

Doc requested

FAX TO W. Brunette & R. McCasland SPI 505.394.2601

Relinquished by:

Date	Time
------	------

and previous

Received by: Isabella Biggs

Publication Comments:

100

10

100

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report# / Lab ID#: 130631 **Report Date:** 06/21/02
Project ID: 2001-10917 Mescal
Sample Name: WEMR61002MW
Sample Matrix: water
Date Received: 06/14/2002 **Time:** 10:35
Date Sampled: 06/10/2002 **Time:** 15:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/19/02	8260b	---	---	---	---	---
Benzene	1.55	µg/L	1	<1	06/19/02	8260b	---	2.3	108.9	110.8	120.3
Ethylbenzene	<1	µg/L	1	<1	06/19/02	8260b	---	0.6	117	119.6	113.4
m,p-Xylenes	<1	µg/L	1	<1	06/19/02	8260b	---	0.4	113.7	115.1	111.1
o-Xylene	<1	µg/L	1	<1	06/19/02	8260b	---	0.6	116.3	117.5	113.5
Toluene	1.54	µg/L	1	<1	06/19/02	8260b	---	2.1	111.1	108.4	123.9

QUALITY ASSURANCE DATA¹

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-10917 Mescal
Sample Name: WEMR61002MW

Report#/Lab ID#: 130631
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	106	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

