



1 RP-58
9/27/05

FINAL NMOCD FORM C-141
AND
CLOSURE DOCUMENTATION

FOR THE

Shafter Lake to Jal 8"
Ref. # 2002-10199

UL-G, SW¼ of the NE¼ of Section 32, R38E, T25S
Latitude 32° 05' 22.7"N and Longitude 103° 04' 55.4"W
Elevation ~3,020' amsl

7 miles east of Jal, Lea County, New Mexico

Date: October 2003

Prepared by

Environmental Plus, Inc.
2100 Avenue O
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601

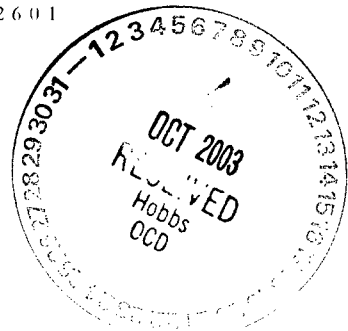
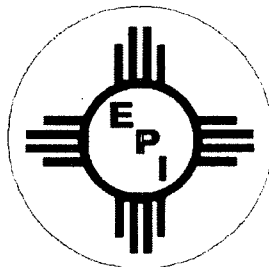


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1.0 INTRODUCTION

EOTT Energy LLC changed the company name to Link Energy effective October 1, 2003. This site is located in UL-G, i.e., the SW¼ of the NE¼, of Section 32, R38E, T25S at Latitude 32° 05' 22.7"N and Longitude 103° 04' 55.4"W, approximately 7 miles east of Jal, Lea County, New Mexico on property owned by the D.K. Boyd Oil & Gas Company. A topographical map is included in Attachment I. The estimated 25 bbls (bbl) crude oil leak attributed to external corrosion, occurred on 7-25-02 @ 9:00 AM in the Shafter Lake to Jal 8" steel pipeline with 4 bbls recovered and reintroduced to the system. The New Mexico Oil Conservation Division (NMOCD) was notified immediately and an initial C-141 submitted. Because the leak occurred in the bottom of the Monument Draw, a depressed geologic drainage that runs from north of Eunice south to the Texas state line, the National Response Center (NRC) was also notified (NRC report #618161). Approximately 4,997 sqft ft² (330'EW x 31'NS) of surface was affected by the release. During the preliminary investigation, ground water was estimated to occur at ~59.8'bgs' below ground surface ('bgs) giving soil from the surface to 19.8 feet below ground surface ('bgs) a NMOCD ranking score ranking of 10 and soil >19.8'bgs a 20 point score. The following remedial guidelines apply;

Soil from the surface to 19.8'bgs

- Benzene= 10 mg/Kg
- BTEX= 50 mg/Kg
- Total Petroleum Hydrocarbon method 8015m (TPH^{8015m}) = 1000 mg/Kg

Soil >19.8'bgs

- Benzene= 10 mg/Kg
- BTEX= 50 mg/Kg
- TPH^{8015m} = 100 mg/Kg

The vertical extent of hydrocarbon contamination extended to 18'bgs in the area of the leak origin. The horizontal extent conformed generally to the spill area perimeter. Soil contaminated above the regulatory thresholds was disposed of in the NMOCD approved and permitted Environmental Plus, Inc. Landfarm #NM-01-0013. Disposal volume was 3,796 yd³. The excavation was backfilled with clean soil and reseeded with the "Sandy Land" seed blend requested by the landowner.

2.0 ENVIRONMENTAL MEDIA CHARACTERIZATION

Chemical parameters of the soil and ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the NMOCD approved **"General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000"** and the NMOCD guidelines published in the following documents;

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for **contaminants/constituents of concern** (CoCs), i.e., TPH, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylene (BTEX), were determined based on the NMOCD Ranking Criteria as follows;

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

2.1 GEOLOGICAL DESCRIPTION

This site is located in the bottom of the Monument Draw, a depressed geologic drainage that runs from north of Eunice, New Mexico south to the Texas state line. The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche. During site delineation activities to 25'bgs, the caliche was found to be absent and that the soil consisted of light brown sand typical of QA sediments, consistent with Nicholson and Clebsch. Delineation identified the underlying eroded Triassic Redbeds at approximately 18'bgs as discussed by Nicholson and Clebsch.

2.2 ECOLOGICAL DESCRIPTION

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Quercus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses and weeds. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, and the Mule Deer. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 AREA GROUND WATER AND GRADIENT

Ground water was estimated to occur at ~59.8'bgs based on information provided by the New Mexico Office of the State Engineer and the New Mexico Tech Geo-information Internet Mapping System database. According to the USGS, the ground water elevation decreases generally to the southeast.

2.4 AREA WATER WELLS

The New Mexico Office of the State Engineer and the New Mexico Tech Geo-information Internet Mapping System database records 2 water wells in Section 29

to the north with water levels of 51.40'bgs (elevation = 3,030'amsl; 0.75 miles north) and 69.84'bgs (elevation = 3,047'amsl; 0.50 miles northwest) and 1 well in Section 5 approximately 1 mile south at an elevation of 3,024'amsl with a water level of 58.15'bgs. A map of the water well locations is included in Attachment I and copies of the water well reports are included in Attachment V.

2.5 AREA SURFACE WATER BODIES

There are no permanent or intermittent surface water bodies within 1000 horizontal feet of the site.

3.0 NMOCD SITE RANKING

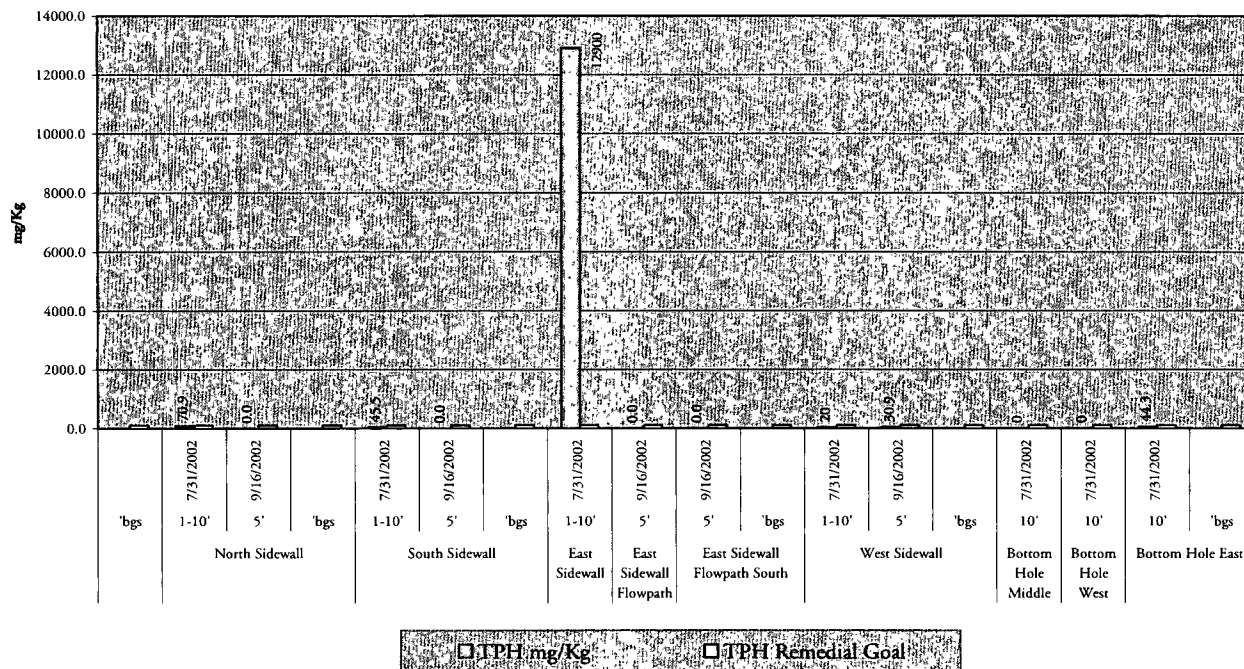
Based on the proximity of the site to protectable area water wells, surface water bodies, and ground water; site soil from the surface to 19.8'bgs has NMOCD ranking score ranking of 10 and soil >19.8'bgs a 20 point score. The NMOCD soil remedial goals are highlighted below in the Site Ranking Matrix.

1. Ground Water		2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: 20 points	If <1000' from water source, or; <200' from private domestic water source: 20 points	<200 horizontal feet: 20 points	
If Depth to GW 50 to 99 feet: 10 points		200-100 horizontal feet: 10 points	
If Depth to GW >100 feet: 0 points	If >1000' from water source, or; >200' from private domestic water source: 0 points	>1000 horizontal feet: 0 points	
Ground water Score = 20	Wellhead Protection Area Score= 0	Surface Water Score= 0	
Site Rank (1+2+3) = 20 + 0 + 0 = 20 points			
Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Parameter	>19 (soil >19.8'bgs)	10-19 (surface to 19.8'bgs)	0-9
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm

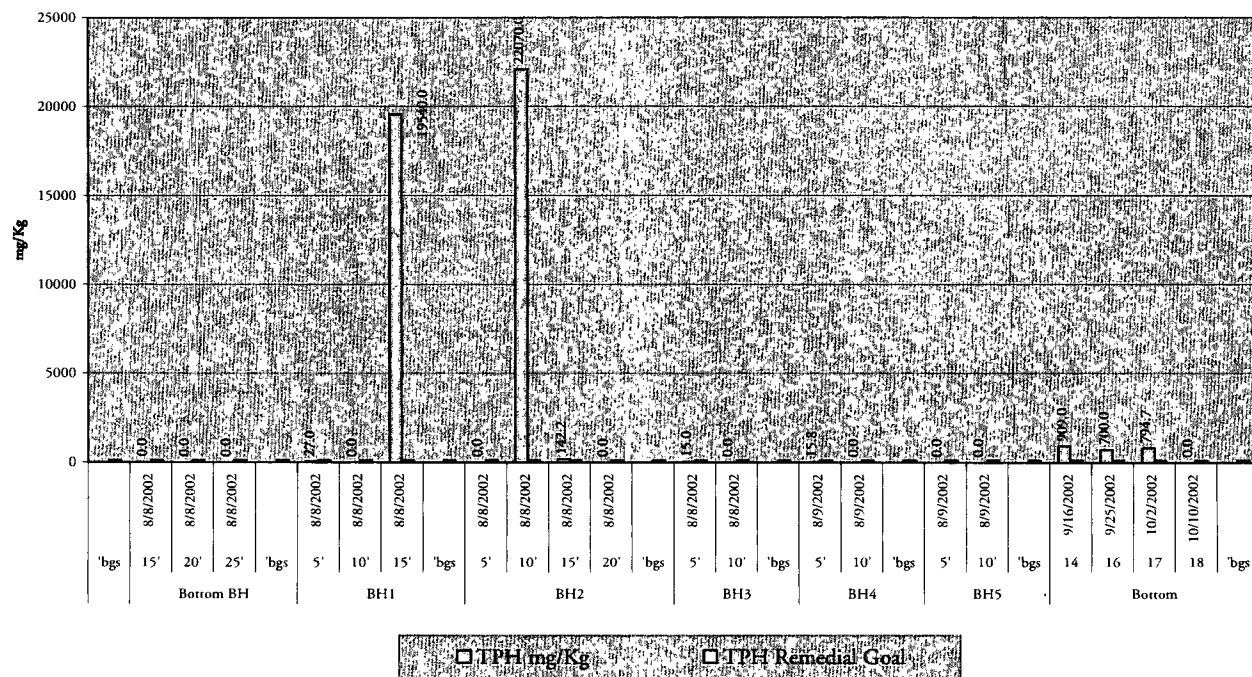
4.0 SUBSURFACE SOIL INVESTIGATION

Delineation of the horizontal extent of contamination occurred during excavation. Soil borings were advanced and sample to determine the vertical extent of migration. Maps showing the spill area, borehole locations, and sampling points, as well as, an affected area map, are included in Attachment I. The data collected during the investigation and remediation are illustrated below and summarized in Attachment IV along with copies of the original analytical reports.

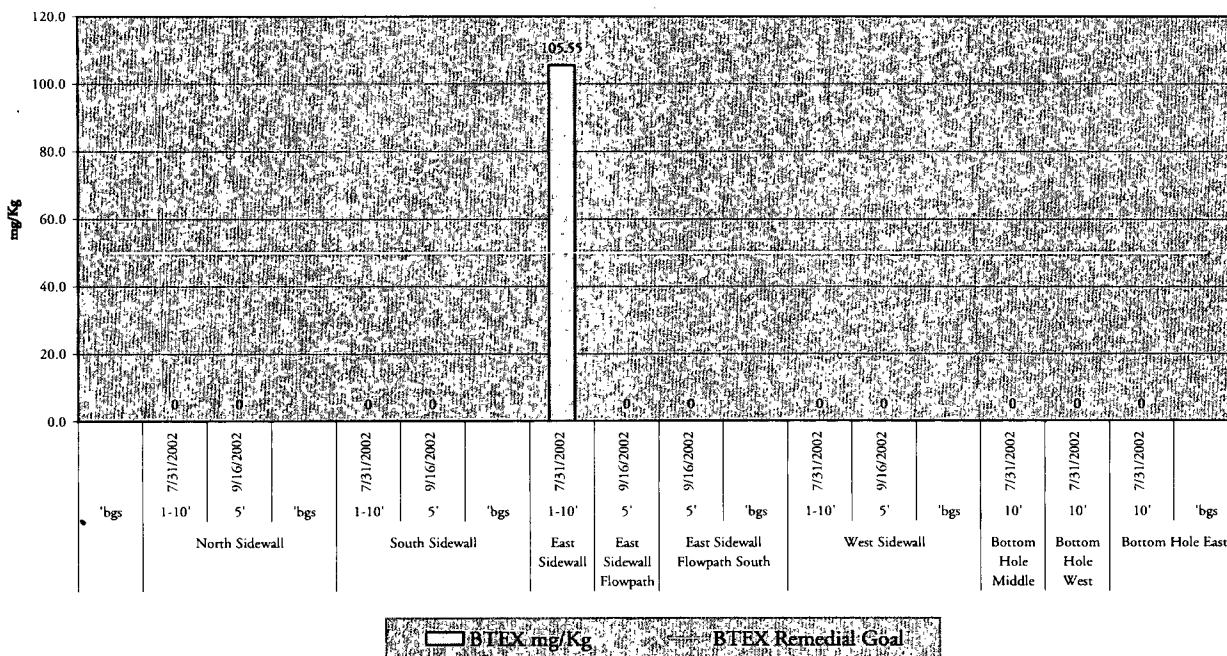
Link Energy
Shafter Lake to Jal #1 #2002-10199
Total Petroleum Hydrocarbon 8015m Delineation



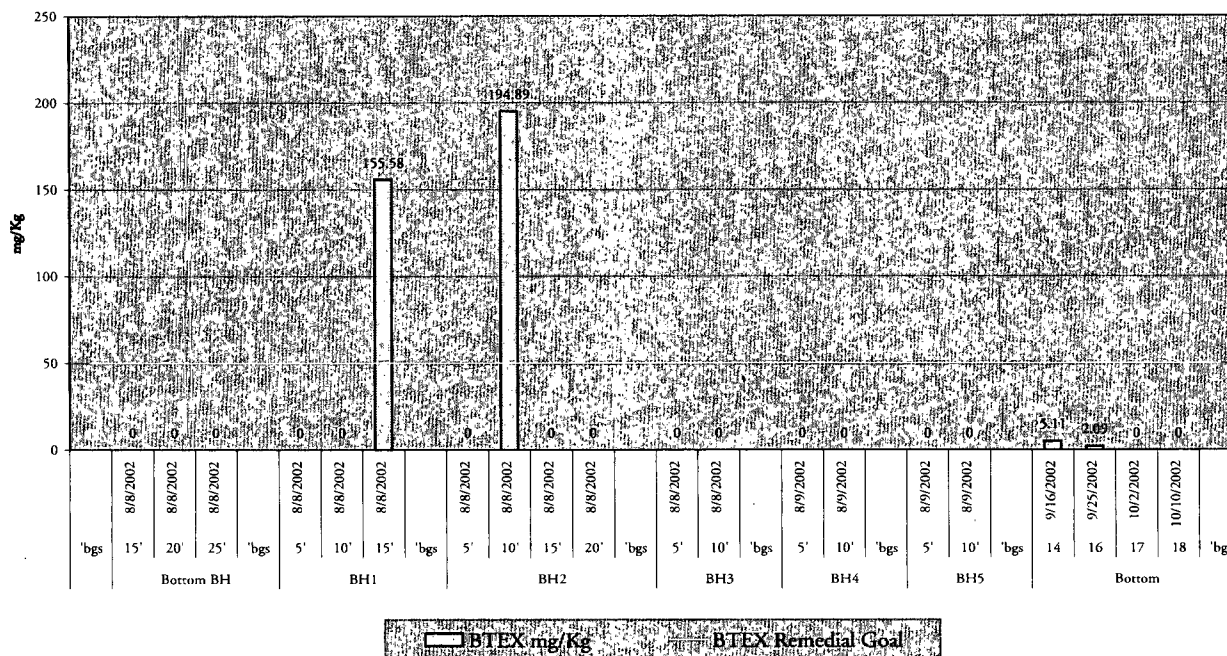
Link Energy
Shafter Lake to Jal #1 #2002-10199
Total Petroleum Hydrocarbon 8015m Delineation



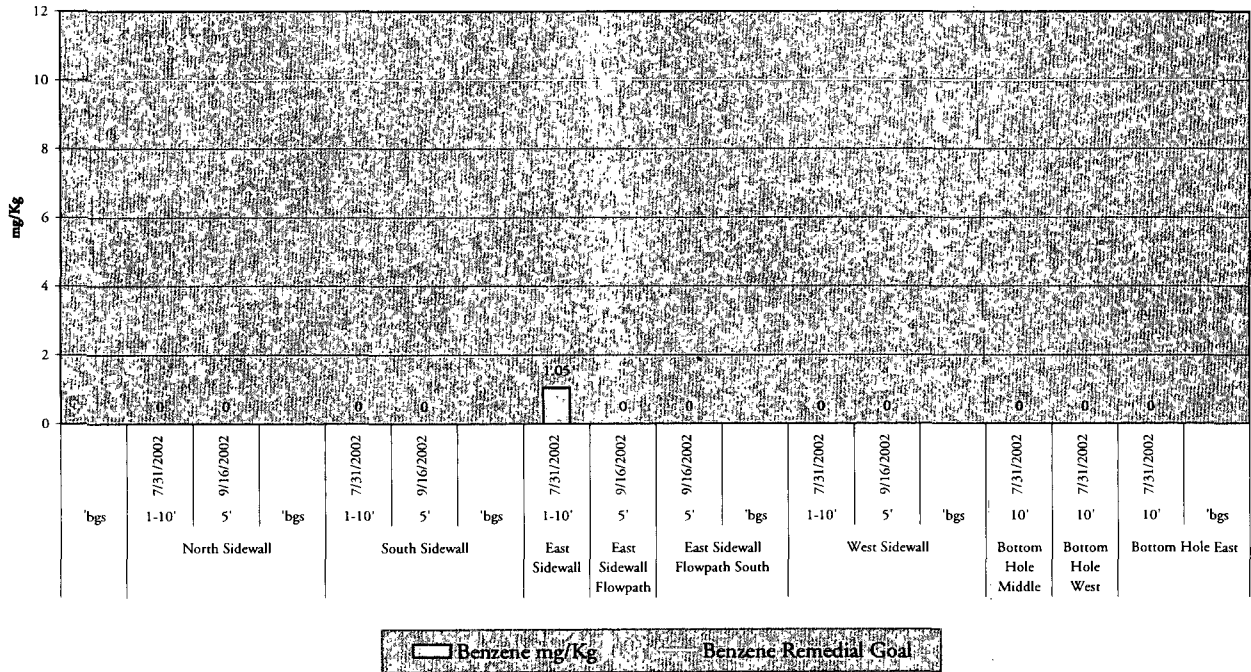
Link Energy
Shafter Lake to Jal #1 #2002-10199
BTEX Delineation



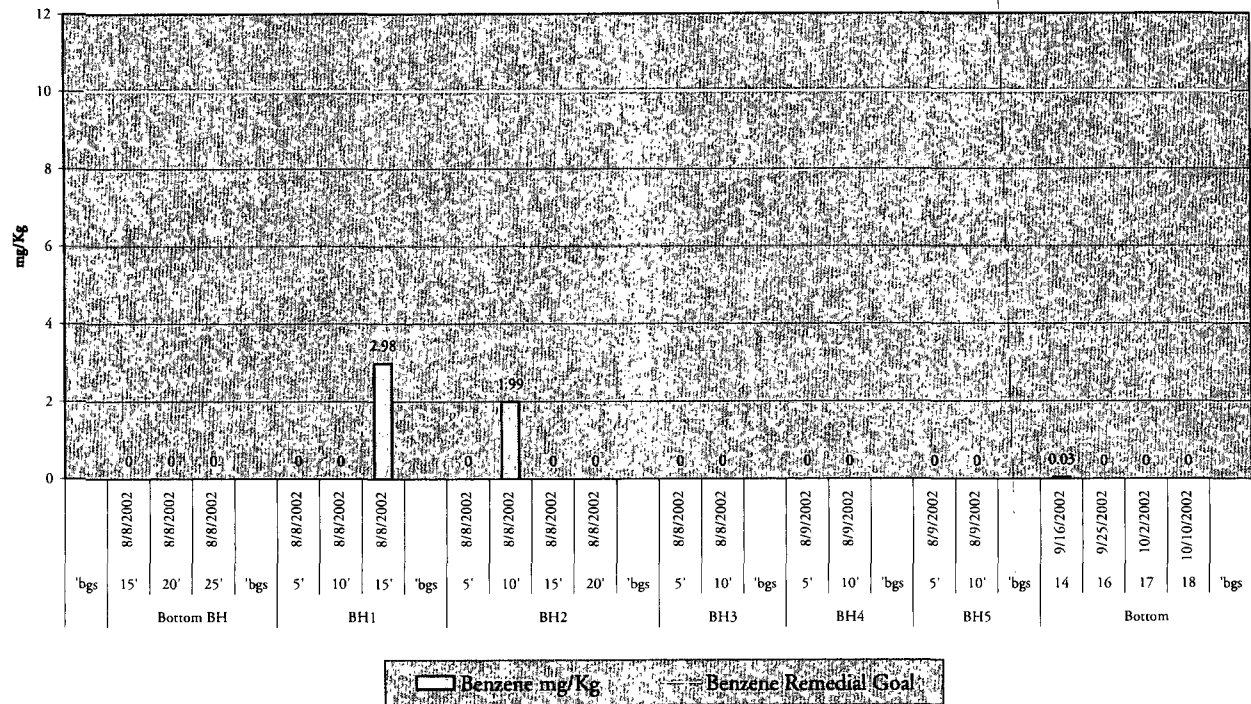
Link Energy
Shafter Lake to Jal #1 #2002-10199
BTEX Delineation



Link Energy
Shafter Lake to Jal #1 #2002-10199
Benzene Delineation



Link Energy
Shafter Lake to Jal #1 #2002-10199
Benzene Delineation



5.0 GROUND WATER INVESTIGATION

A ground water investigation was not necessary.

6.0 SOIL REMEDIATION

The vertical extent of hydrocarbon contamination extended to 18' bgs in the area of the leak origin. The horizontal extent conformed generally to the spill area perimeter. Soil contaminated above the regulatory thresholds was disposed of in the NMOCD approved and permitted Environmental Plus, Inc. Landfarm #NM-01-0013. Disposal volume was 3,796 yd³.

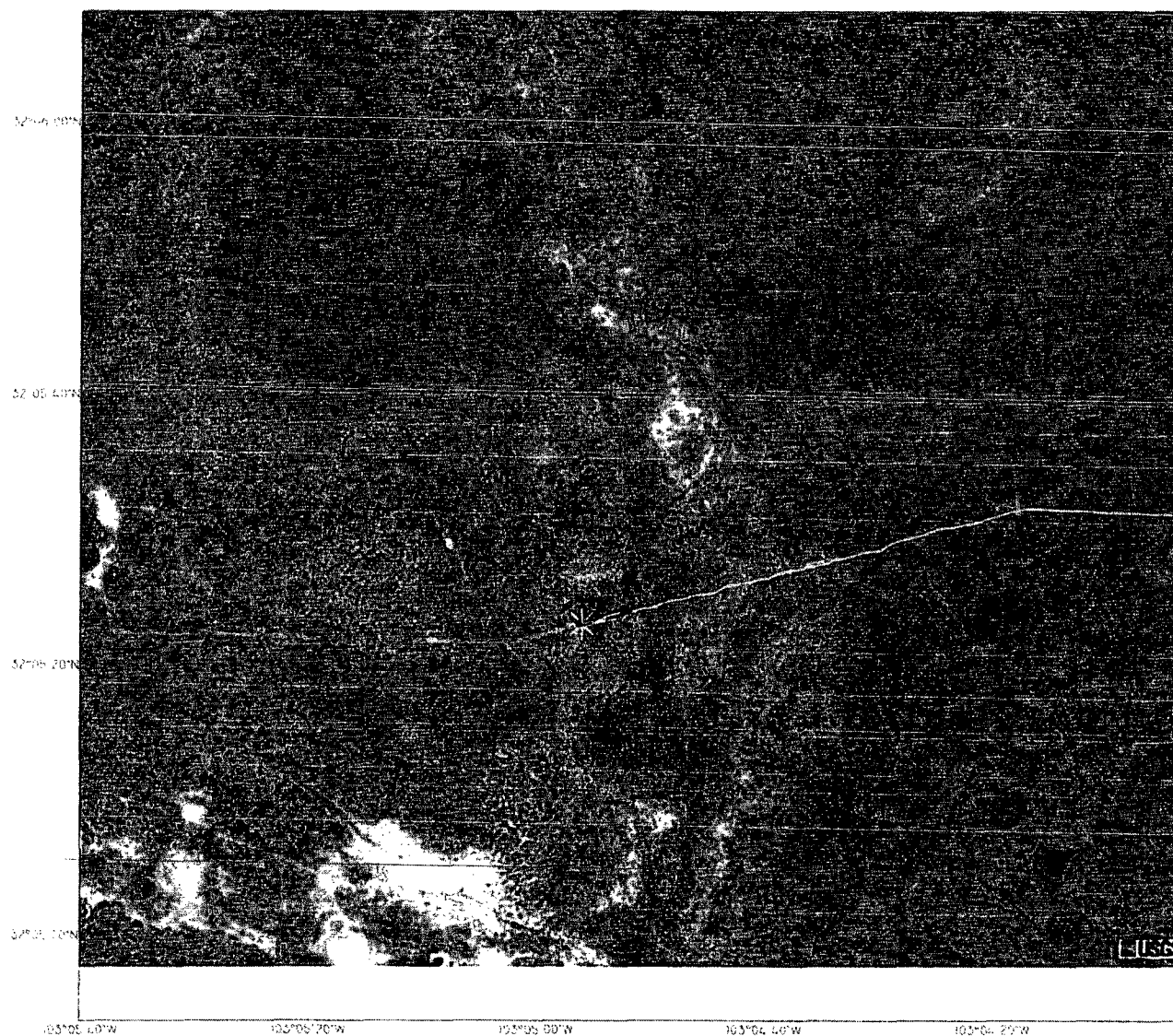
7.0 BACKFILLING AND SURFACE RESTORATION

The excavation was backfilled and compacted with local clean soil purchased from the landowner, contoured to grade, and reseeded with the "Sandy Land" seed blend requested by the landowner. A map of the affected use area is included in Attachment I.

8.0 CONCLUSION AND CLOSURE REQUEST

Soil contaminated above the NMOCD guidelines was removed from the site, the excavation backfilled with clean soil, and the surface reseeded. The environmental issues at the site have been resolved consistent with the NMOCD Guidelines, therefore, it is requested that "no further action" be required at this site.

ATTACHMENT I: SITE MAPS



EOTT ENERGY
PIPELINE
SHAFTER LAKE
TO JAL 8"
7-25-02
#2002-10199
(USGS 1996)

N

SCALE 1:15,000



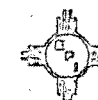
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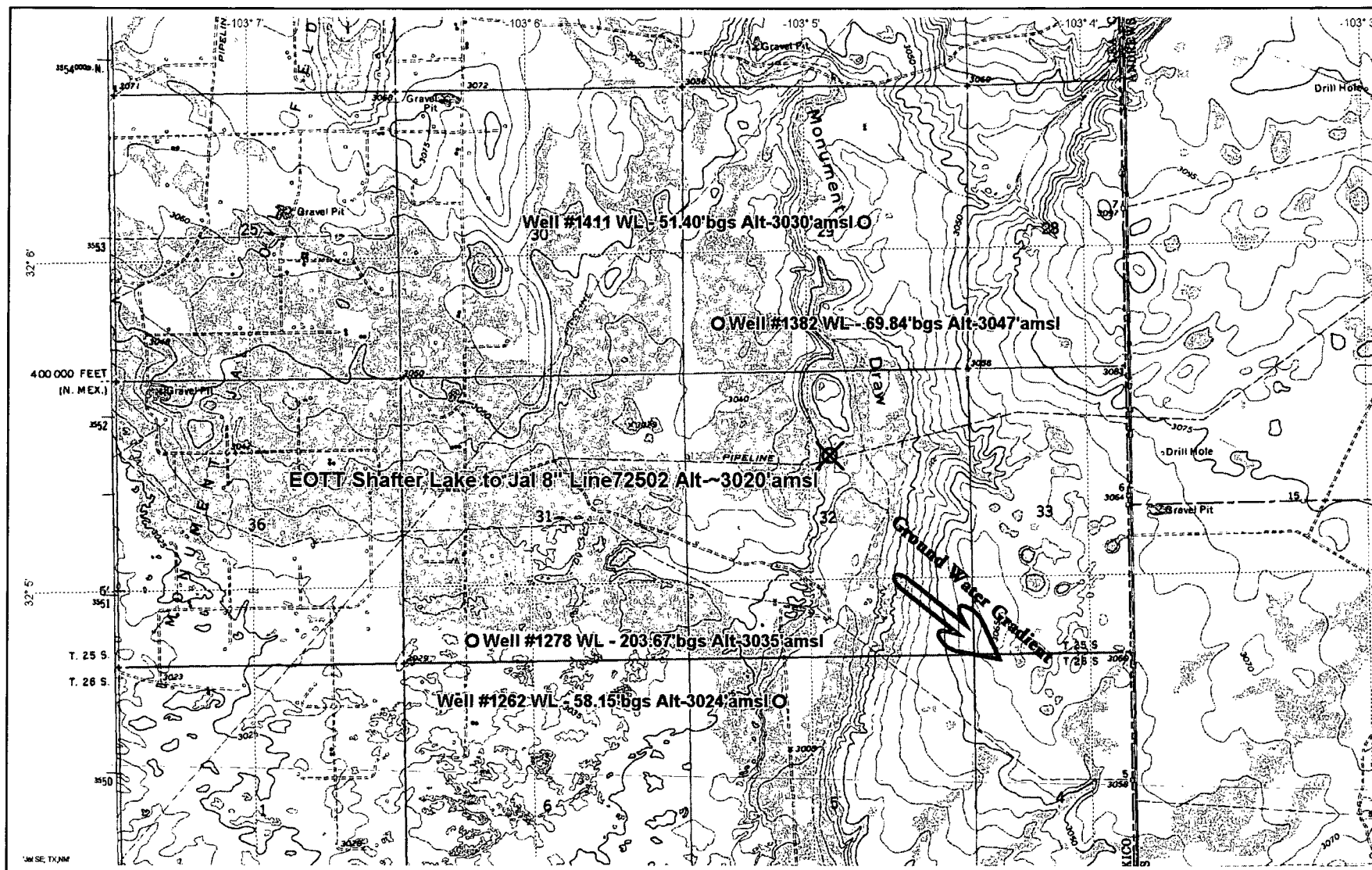
UNIVERSAL TRANSVERSE MERCATOR
13 NORTH
NAD 1983 HPGN (NEW MEXICO)

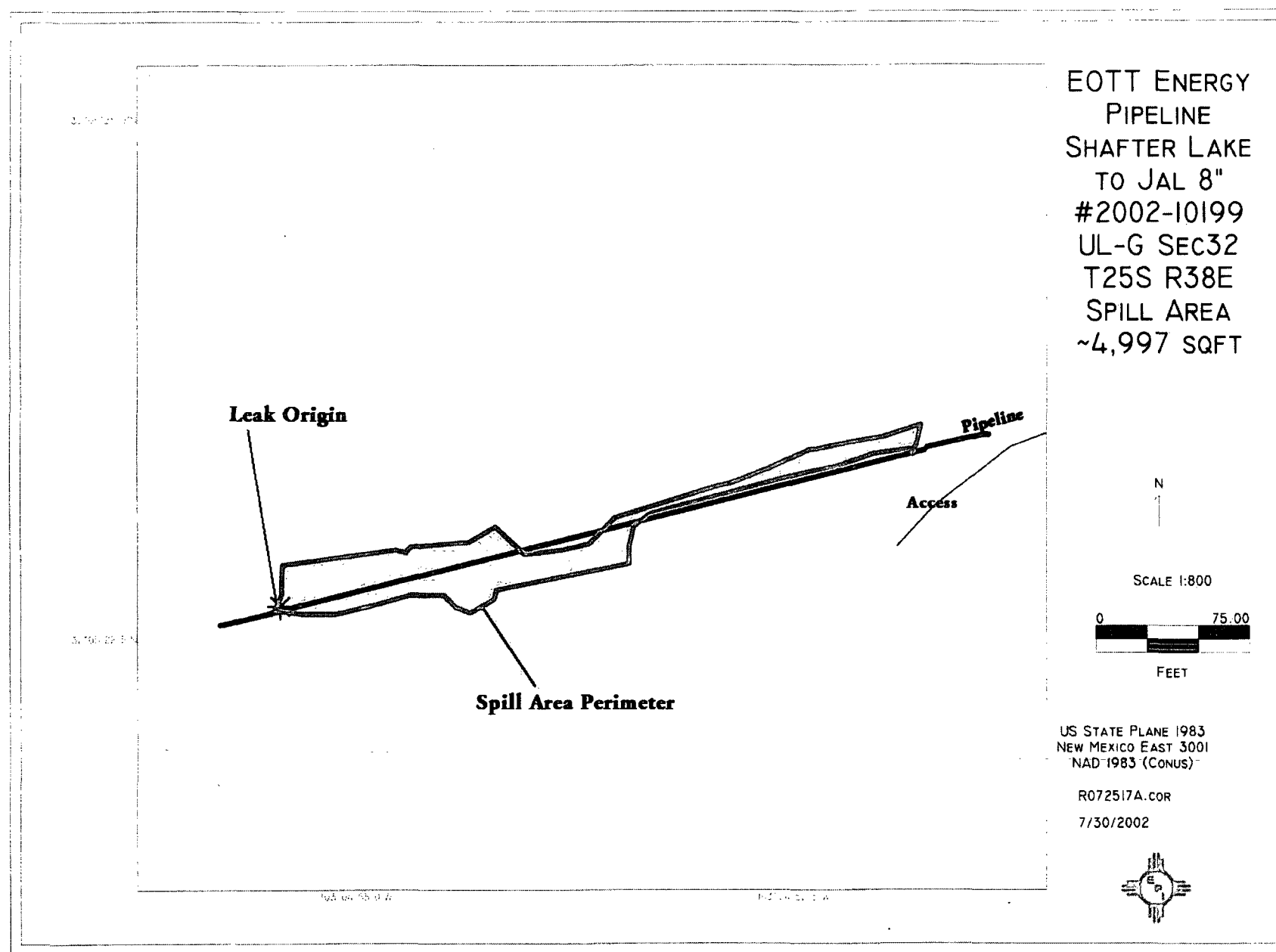
R072517A.COR

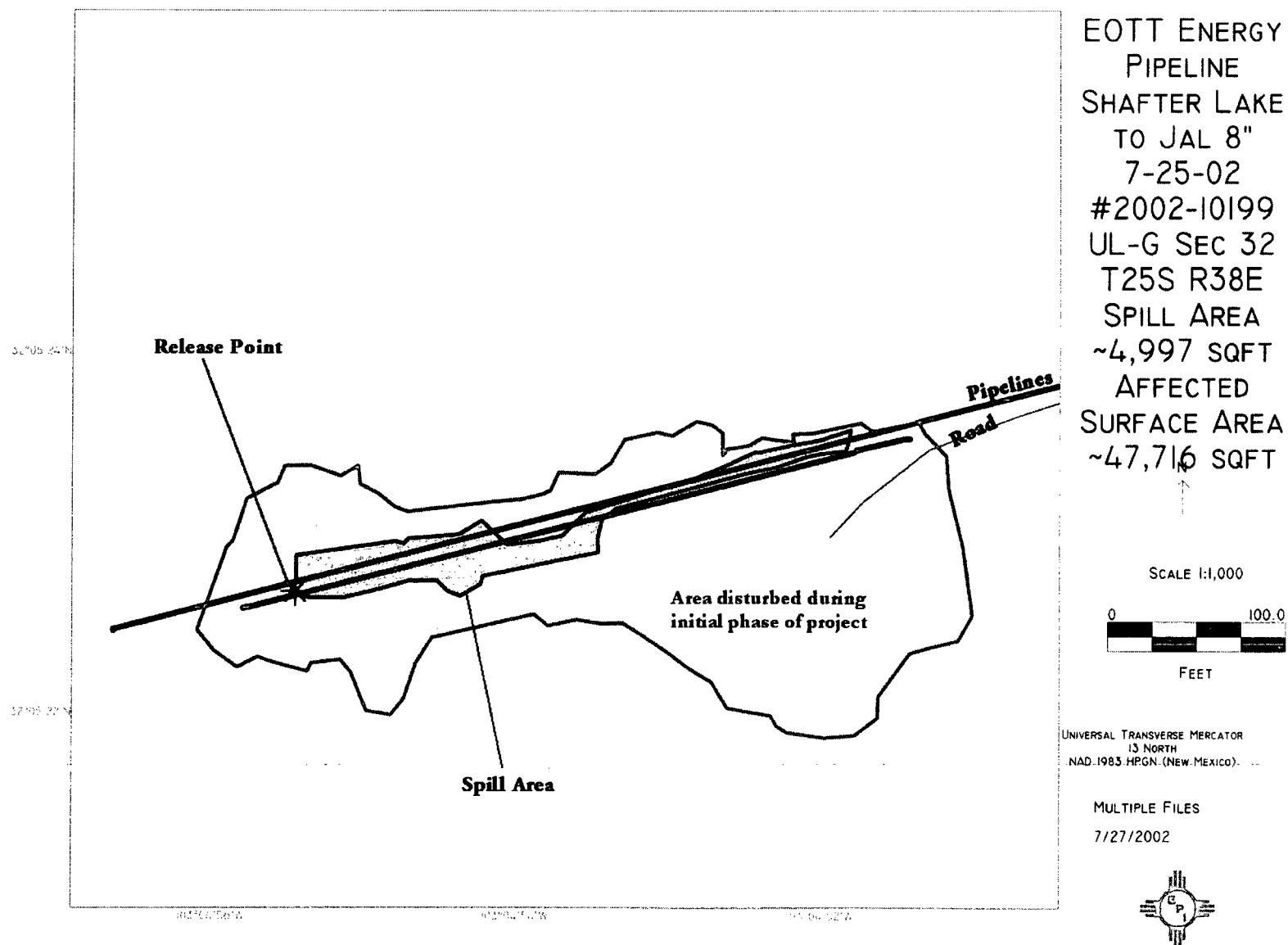
7/27/2002

USGS





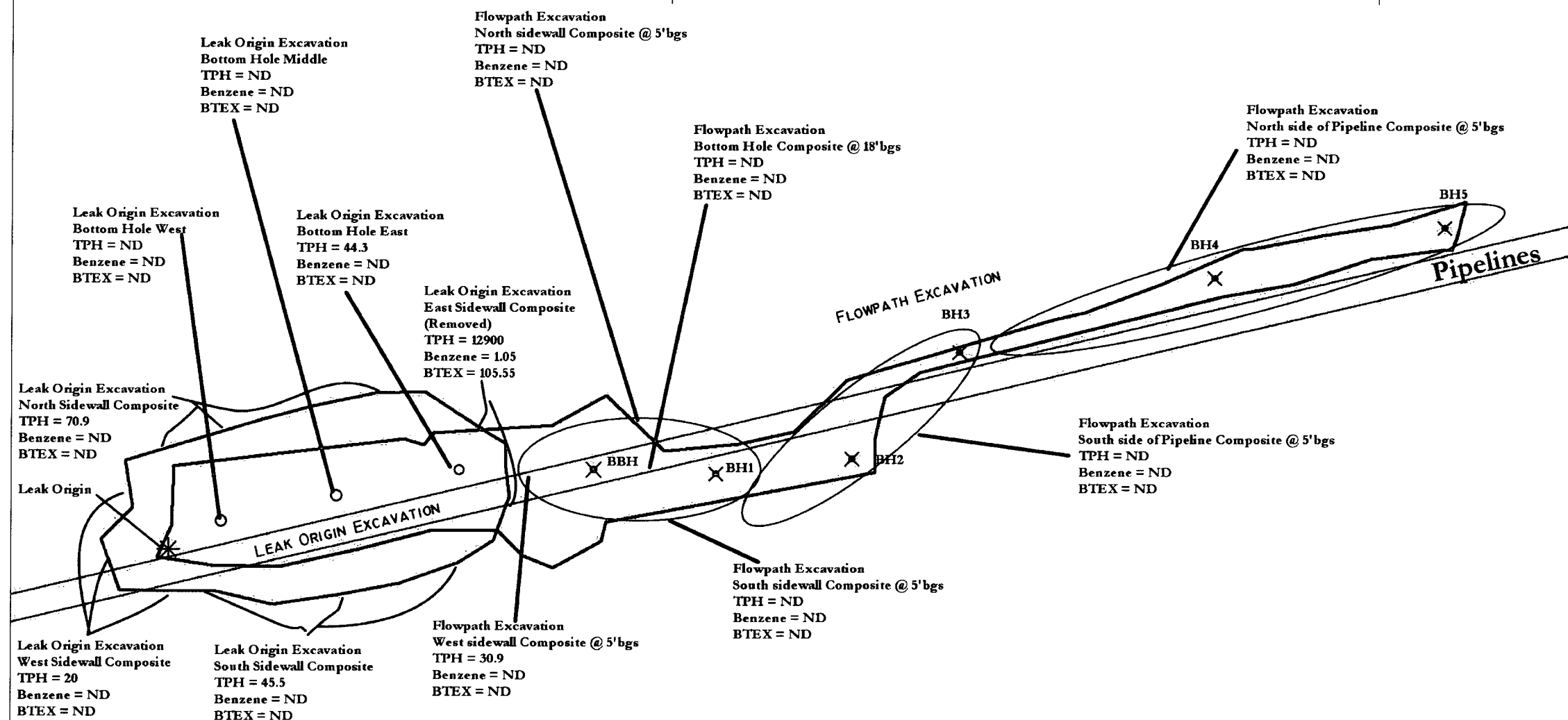




Reserved

EOTT ENERGY
PIPELINE
SHAFTER LAKE TO
JAL 8"
#2002-10199
UL-G SEC 32
T25S R38E
BOREHOLE AND
COMPLIANCE SAMPLE
LOCATION MAP

32°05'24"N



32°05'22"N

BH - Borehole
ND - Not Detected
Units are in mg/Kg
BTEX = Mass sum of Benzene, Toluene, Ethylbenzene, and Xylenes

New Mexico Oil Conservation Division Remedial Goals
TPH EPA method 8015m - 100 mg/Kg
BTEX - 50 mg/Kg
Benzene - 10 mg/Kg

N
↑

SCALE 1:400

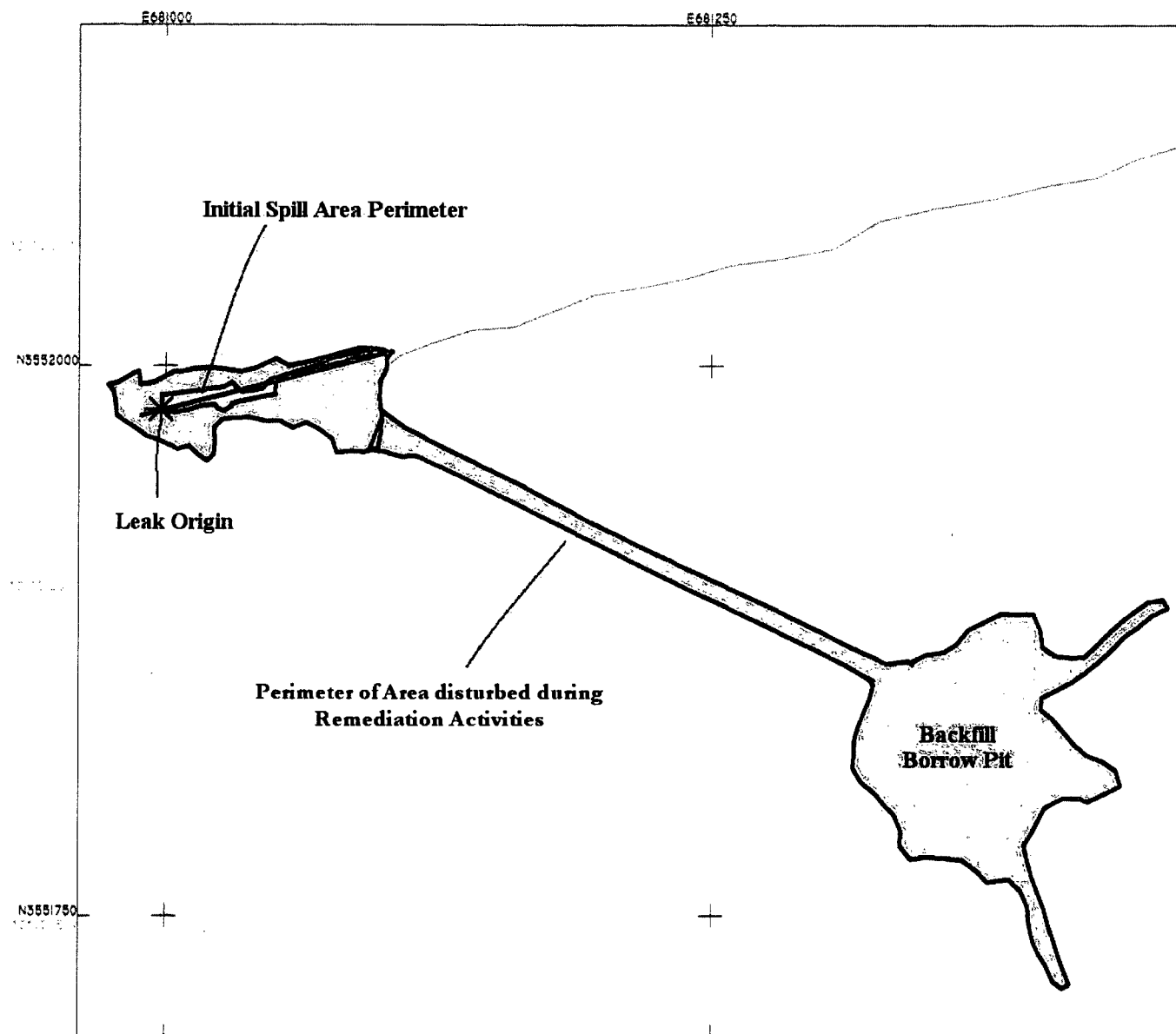


FEET

LAT/LONG
WGS 1984

ASLJ8BH AND LEAK ORIGIN EXC.SSF
10/6/2003

GPS Pathfinder® Office
Trimble.



EOTT ENERGY
SHAFTER LAKE
TO JAL #1
#2002-10199
UL-G SEC 32
T25S R38E
DISTURBED AREA
167,711 SQFT

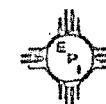
N

SCALE 1:3,000



UNIVERSAL TRANSVERSE MERCATOR
13 NORTH
NAD 1983 HPGN (NEW MEXICO)

MULTIPLE FILES
2/3/2003



**ATTACHMENT II: FINAL C-141, C-138, AND SITE INFORMATION &
METRICS FORM**

Link Energy Site Information and Metrics		Incident Date: 7-25-02 @ 9:00 AM	NMOCD Notified: 7-25-02 @ 5:00 PM
SITE: Shafter Lake to Jal 8"		Assigned Site Reference #: 2002-10199	
Company: Link Energy		NATIONAL RESPONSE CENTER - 800.424.8802	
Street Address: PO Box 1660		Notified Date/Time: 7-29-02 @ 8:00 AM	
Mailing Address: 5805 East Highway 80		Notified by: Pat McCasland, EPI	
City, State, Zip: Midland, Texas 79702		Person Notified: Ms. Johnson	
Representative: Frank Hernandez		NRC Report# : #618161	
Representative Telephone: 505.631.3095			
Telephone:			
Fluid volume released (bbls): 25 bbls		Recovered (bbls): 4 bbls	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)			
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)			
Leak, Spill, or Pit (LSP) Name: Shafter Lake to Jal 8"			
Source of contamination: 8" Steel Pipeline			
Land Owner, i.e., BLM, ST, Fee, Other: D.K. Boyd Oil & Gas			
LSP Dimensions 330'EW x 31'NS			
LSP Area: 4,997 sqft ft ²			
Location of Reference Point (RP)			
Location distance and direction from RP			
Latitude: 32 05' 22.7"N			
Longitude: 103 04' 55.4"W			
Elevation above mean sea level: 3,020 'amsl			
Feet from South Section Line			
Feet from West Section Line			
Location- Unit or ¼: SW¼ of the NE¼		Unit Letter: G	
Location- Section: 32			
Location- Township: T25S			
Location- Range: R38E			
Surface water body within 1000 ' radius of site: none			
Domestic water wells within 1000' radius of site: none			
Domestic water wells within 1000' radius of site:			
Agricultural water wells within 1000' radius of site: none			
Agricultural water wells within 1000' radius of site:			
Public water supply wells within 1000' radius of site: none			
Public water supply wells within 1000' radius of site:			
Depth from land surface to ground water (DG) ~59.8'bgs			
Depth of contamination (DC) - 18'bgs			
Depth to ground water (DG - DC = DtGW) - 41.8'bgs			
1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body	
If Depth to GW <50 feet: 20 points	If <1000' from water source, or;<200' from private domestic water source: 20 points	<200 horizontal feet: 20 points	
If Depth to GW 50 to 99 feet: 10 points		200-100 horizontal feet: 10 points	
If Depth to GW >100 feet: 0 points	If >1000' from water source, or;>200' from private domestic water source: 0 points	>1000 horizontal feet: 0 points	
Ground water Score = 20	Wellhead Protection Area Score= 0	Surface Water Score= 0	
Site Rank (1+2+3) = 20			
Total Site Ranking Score and Acceptable Concentrations			
Parameter	>19	10-19	0-9
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Link Energy	Contact Frank Hernandez
Address: PO Box 1660 5805 East Highway 80 Midland, Texas 79702	Telephone No. 505.631.3095
Facility Name Shafter Lake to Jal 8"	Facility Type 8" Steel Pipeline

Surface Owner: D.K. Boyd Oil & Gas	Mineral Owner	Lease No.
------------------------------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter 32	Section 32	Township T25S	Range R38E	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea Lat. 32 05' 22.7"N Lon. 103 04' 55.4"W
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NATURE OF RELEASE

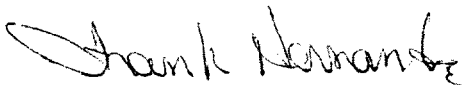
Type of Release Crude Oil	Volume of Release 25 bbls barrels	Volume Recovered 4 bbls barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence Link Energy	Date and Hour of Discovery 7-25-02 @ 1:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Pat McCasland, EPI	Date and Hour 7-25-02 @ 5:00 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
External corrosion. Line was replaced and contaminated soil disposed of.

Describe Area Affected and Cleanup Action Taken.*☐ Site was delineated. Contaminated soil was disposed of in the Environmental Plus, Inc. Landfarm. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Frank Hernandez		Approved by District Supervisor:	
Title: District Environmental Supervisor	Approval Date:	Expiration Date:	
Date: October 3, 2003	Phone: 505.631.3095	Conditions of Approval:	Attached ☐

* Attach Additional Sheet

District I
1425 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Bravos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	6. Generator EOTT Energy Pipeline
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site Shafter Lake to Jal 8" #2002-10189
2. Management Facility Destination Environmental Plus, Inc. Landfarm #NM-01-0013	6. Transporter Environmental Plus, Inc.
3. Address of Facility Operator 2100 Avenue O, P.O. Box 1558, Eunice, New Mexico 88231	8. State New Mexico
7. Location of Material (Street Address or ULSTR) UL-G Section 32 T25S R38E	
B. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job. ☒ All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Crude Oil Contaminated Soil

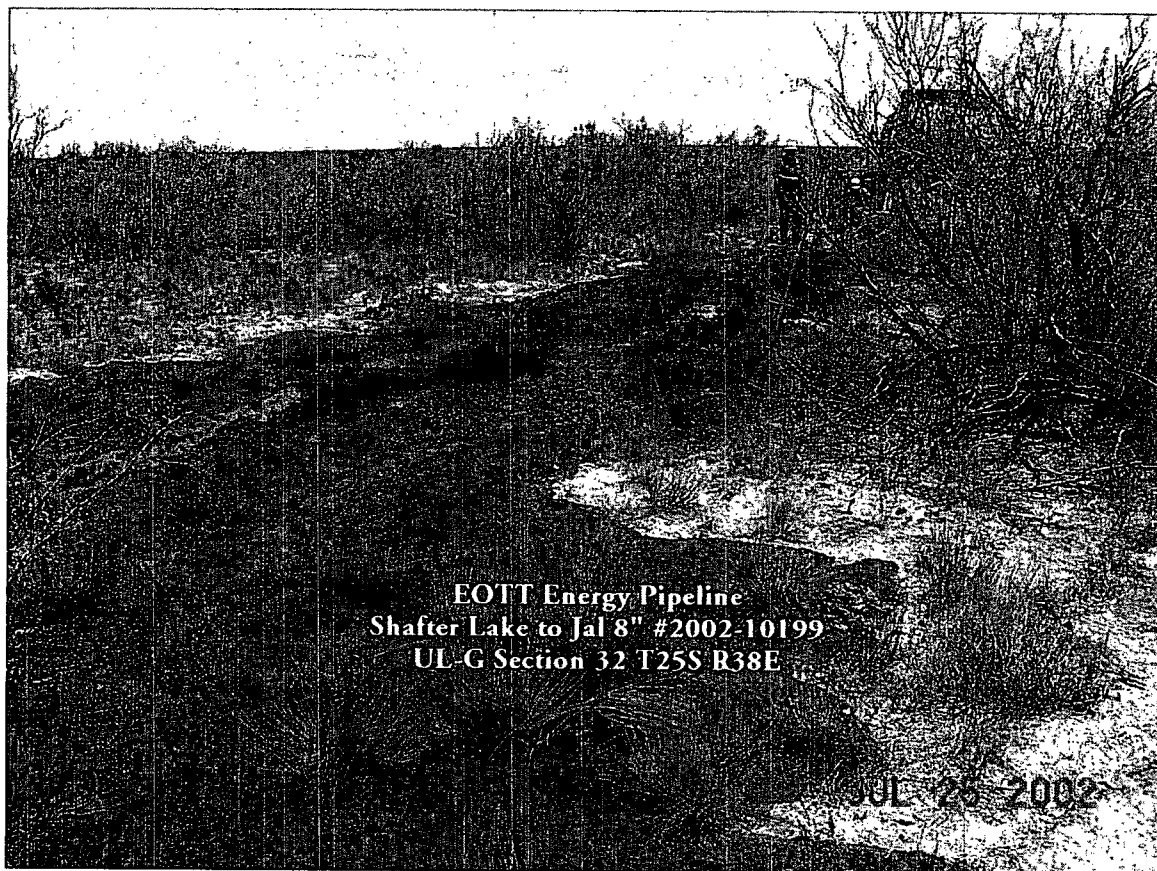
Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

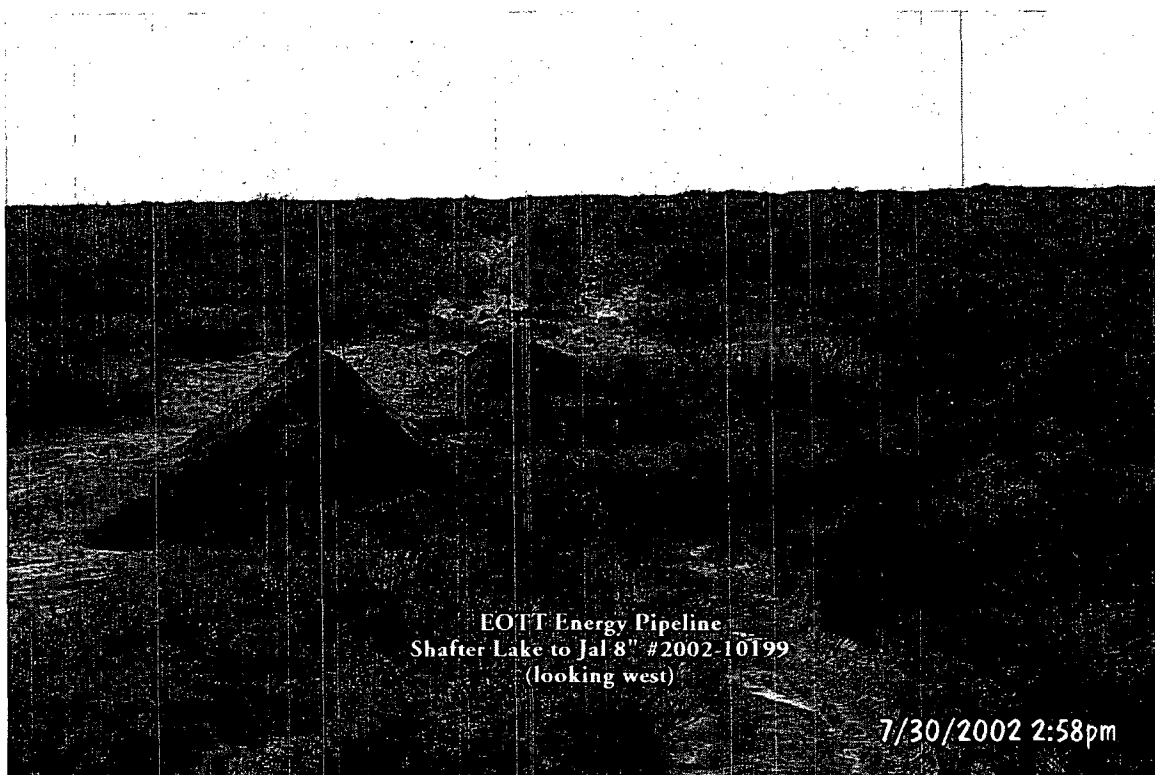
SIGNATURE [Signature] TITLE: EPI Technical Manager DATE: July 26, 2002
Waste Management Facility Authorized Agent

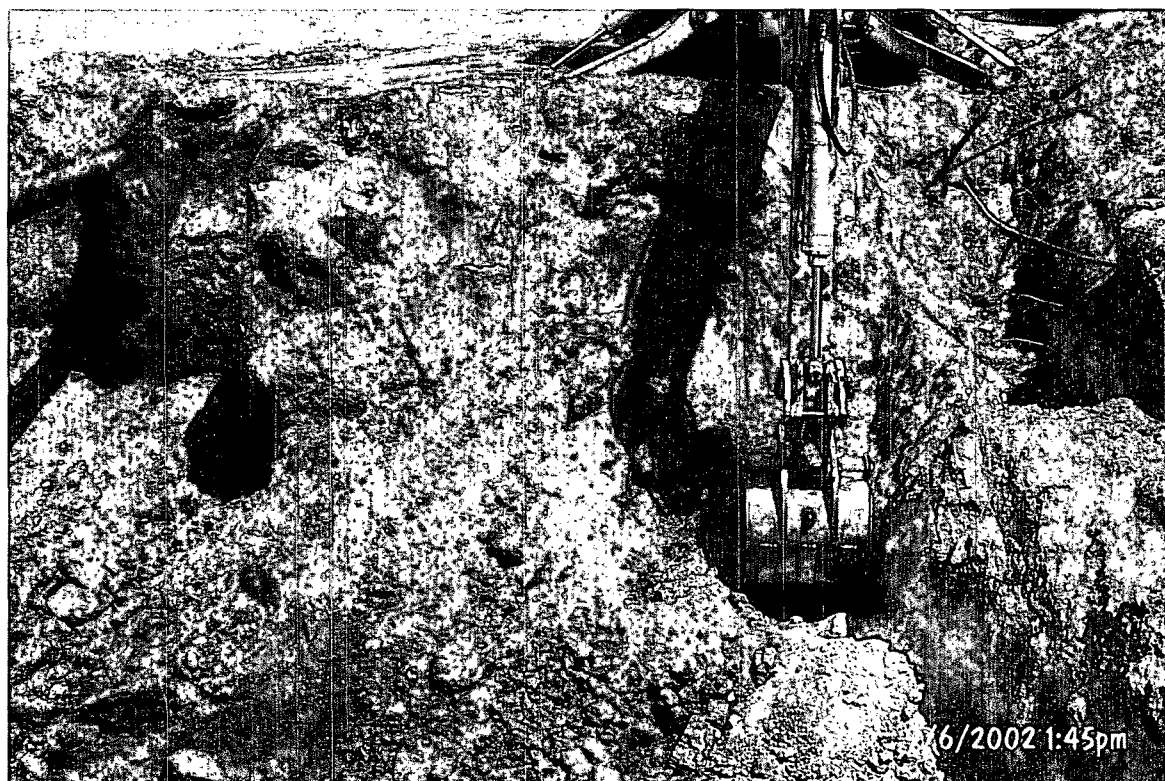
TYPE OR PRINT NAME: Pat McCasland TELEPHONE NO. 505.394.3481

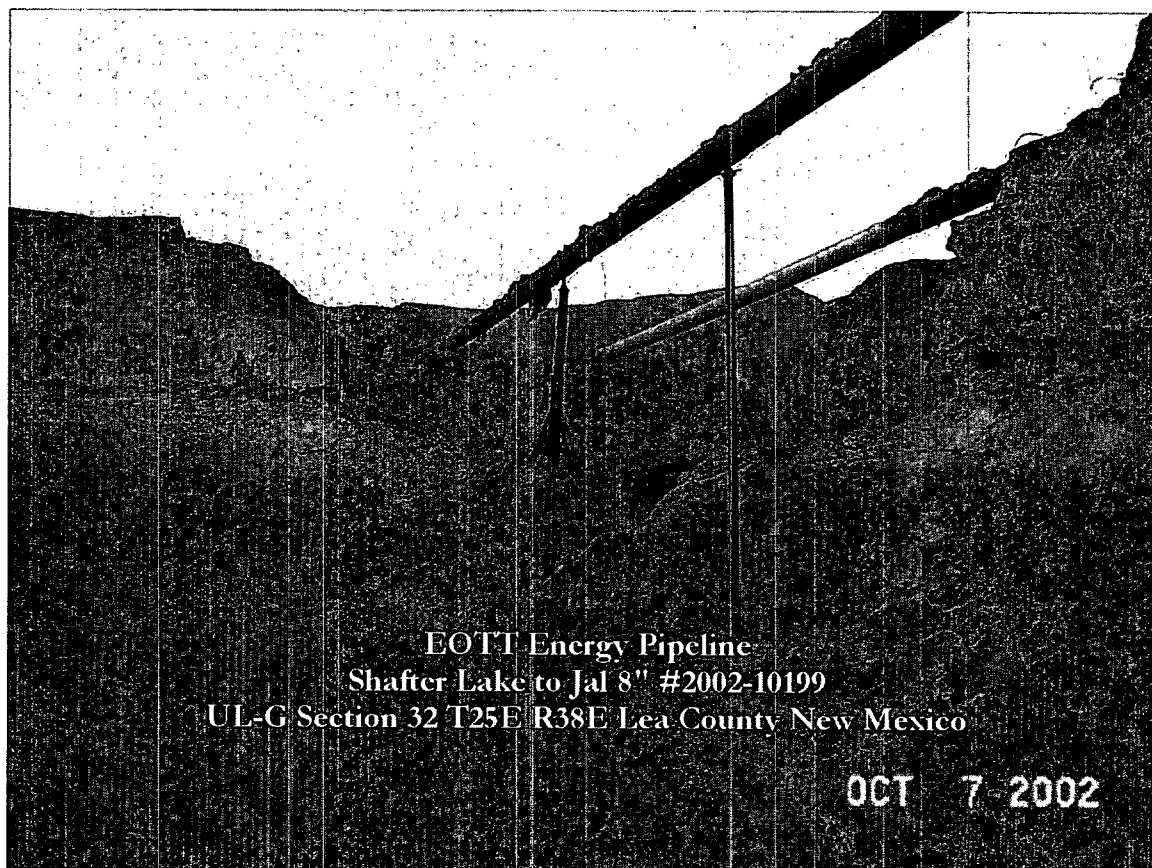
(This space for State Use)	
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Eng</u> DATE: <u>7/26/02</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Environmental Geologist</u> DATE: <u>7/13/02</u>

ATTACHMENT III: PHOTOGRAPHS









ATTACHMENT IV: ANALYTICAL REPORTS AND SUMMARY

E.O.T.T. Energy Pipeline

Shafter Lake to Jal #1 - #2002-10199

Sample Area	Sample Location	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Sample Date	Lithology	GRO ³	DRO ⁴	TPH ⁵	BTEX	Benzene	Ethyl Benzene	Toluene	m,p-Xylene	o-Xylene
						Instrument Detection Limits and Units								
						10 mg/Kg	10 mg/Kg	mg/Kg	mg/Kg	0.025 mg/Kg	0.025 mg/Kg	0.025 mg/Kg	0.025 mg/Kg	0.025 mg/Kg
Leak Origin Excavation	North Sidewall	5 point Composite: 2@1-5, 1@5, 2@5-10'bgs	SLJ73102LONSW	7/31/2002	Sand	17.5	53.4	70.9	ND ⁷	ND	ND	ND	ND	ND
	South Sidewall	5 point Composite: 2@1-5, 1@5, 2@5-10'bgs	SLJ73102LOSSW	7/31/2002	Sand	10.2	35.3	45.5	ND	ND	ND	ND	ND	ND
	East Sidewall	5 point Composite: 2@1-5, 1@5, 2@5-10'bgs	SLJ73102LOESW	7/31/2002	Sand	6780	6120	12900	105.55	1.05	21.5	22	39.5	21.5
	West Sidewall	5 point Composite: 2@1-5, 1@5, 2@5-10'bgs	SLJ73102LOWSW	7/31/2002	Sand	ND	20	20	ND	ND	ND	ND	ND	ND
	Bottom Hole Middle	Grab @ ~10'bgs Middle of Excavation	SLJ73102LOBHM	7/31/2002	Reddish Sand	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bottom Hole West	Grab @ ~10'bgs West side of Excavation	SLJ73102LOBHW	7/31/2002	Reddish Sand	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bottom Hole East	Grab @ ~10'bgs East side of Excavation	SLJ73102LOBHE	7/31/2002	Sand	14.4	29.9	44.3	ND	ND	ND	ND	ND	ND

¹bgs – below ground surface

²VOC-Volatile Organic Contaminants/Constituents

³GRO-Gasoline Range Organics C₆-C₁₂

⁴DRO-Diesel Range Organics C₁₂-C₃₅

⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.

⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter

⁷ND- Indicates that the parameter was not detected above the instrument detection limit.

⁸N/A - Not Analyzed

E.O.T.T. Energy Pipeline Shafter Lake to Jal #1 - #2002-10199

Description	Sample Location / Borehole	Sampling Interval (FT. BGS ¹)	SAMPLE ID#	Sample Date	Lithology	VOC Headspace	GRO ³	DRO ⁴	TPH ⁵	BTEX ¹⁰	Benzene	Ethyl Benzene	Toluene	m,p-Xylene
							Instrument Detection Limits and Units							
						ppm	10 mg/Kg	10 mg/Kg	mg/Kg	mg/Kg	0.025 mg/Kg	0.025 mg/Kg	0.025 mg/Kg	0.025 mg/Kg
Flowpath Excavation	Bottom BH	15'	SESLJ8802BBH-15'	8/8/2002	Lt Brn Sand	21.1	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BBH	20'	SESLJ8802BBH-20'	8/8/2002	Lt Brn Sand	19.7	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BBH	25'	SESLJ8802BBH-25'	8/8/2002	Lt Brn Sand	15.4	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH1	5'	SESLJ8802BH1-5'	8/8/2002	Lt Brn Sand	32.4	ND	27.0	27.0	ND ⁷	ND	ND	ND	ND
	BH1	10'	SESLJ8802BH1-10'	8/8/2002	Brn Sand	24.3	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH1	15'	SESLJ8802BH1-15'	8/8/2002	Lt Brn Sand	16.7	6740.0	12800.0	19540.0	155.58	2.98	29.40	30.90	61.70
	BH2	5'	SESLJ8802BH2-5'	8/8/2002	Dark Brn Oily Odorous Sand	1064.0	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH2	10'	SESLJ8802BH2-10'	8/8/2002	Lt Brn Oily Odorous Sand	802.0	7970.0	14100.0	22070.0	194.89	1.99	38.00	41.70	73.40
	BH2	15'	SESLJ8802BH2-15'	8/8/2002	Lt Brn Sand	53.3	11.2	131.0	142.2	ND ⁷	ND	ND	ND	ND
	BH2	20'	SESLJ8802BH2-20'	8/8/2002	Lt Brn Sand	ND	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH3	5'	SESLJ8802BH3-5'	8/8/2002	Lt Brn Sand	16.2	15.0	ND	15.0	ND ⁷	ND	ND	ND	ND
	BH3	10'	SESLJ8802BH3-10'	8/8/2002	Brn Sand	4.0	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH4	5'	SESLJ8902BH4-5'	8/9/2002	Lt Brn Sand	24.2	ND	15.8	15.8	ND ⁷	ND	ND	ND	ND
	BH4	10'	SESLJ8902BH4-10'	8/9/2002	Brn Sand	8.0	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH5	5'	SESLJ8902BH5-5'	8/9/2002	Lt Brn Sand	7.8	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	BH5	10'	SESLJ8902BH5-10'	8/9/2002	Lt Brn Sand	2.8	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	Bottom - 14'	5-point Composite of Bottom	SESL91602B	9/16/2002	Lt Brn Sand	NA ⁸	276.0	633.0	909.0	5.11	0.03	1.00	0.46	2.44
	Bottom - 16'	5-point Composite of Bottom	SESL92502BH16	9/25/2002	Lt Brn Sand	NA	209.0	491.0	700.0	2.09	ND	0.14	0.39	1.04
	Bottom - 17'	5-point Composite of Bottom	SESL810202PABH17	10/2/2002	Lt Brn Sand	NA	61.7	733.0	794.7	ND ⁷	ND	ND	ND	ND
	Bottom - 18'	5-point Composite of Bottom	SESL8101002PABH18	10/10/2002	Lt Brn Sand	NA	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
East Shallow Flowpath Excavation	North Sidewall	5-point Composite of Sidewall	SESL91602NSW-5'	9/16/2002	Lt Brn Sand	NA	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	South Sidewall	5-point Composite of Sidewall	SESL91602SSW-5'	9/16/2002	Lt Brn Sand	NA	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	West Sidewall	5-point Composite of Sidewall	SESL91602WSW-5'	9/16/2002	Lt Brn Sand	NA	ND	30.9	30.9	ND ⁷	ND	ND	ND	ND
	North of Pipeline	5-point Composite of Bottom	SESL91602NPP-5'	9/16/2002	Lt Brn Sand	NA	ND	ND	0.0	ND ⁷	ND	ND	ND	ND
	South of Pipeline	5-point Composite of Bottom	SESL91602SPP-5'	9/16/2002	Lt Brn Sand	NA	ND	ND	0.0	ND ⁷	ND	ND	ND	ND

¹bgs – below ground surface

²VOC–Volatile Organic Contaminants/Constituents

³GRO- Method 8015m Gasoline Range Organics C₆-C₁₂
⁴DRO- Method 8015m Diesel Range Organics C₁₂-C₃₅
⁵TPH-Total Petroleum Hydrocarbon = GRO+DRO.

⁶Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter

⁷ND- Indicates that the parameter was not detected above the instrument detection limit.

⁸N/A - Not Analyzed

⁹Shaded areas indicate Compliance/Closure Samples

¹⁰BTEX - The mass sum of Benzene, Toluene, Ethylbenzene, m & p-Xylene, and o-Xylene.

ANALYTICAL REPORT

Prepared for:

**Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701**

**Project: Shafter Lake To Jal
PO#: 2002-10199
Order#: G0204082
Report Date: 08/05/2002**

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701
915-684-3456

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time	Date / Time	Container	Preservative
			Collected	Received		
0204082-01	SLJ3102LONSW	SOIL	7/31/02 13:00	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 0.0 C		
0204082-02	SLJ3102LOSSW	SOIL	7/31/02 13:10	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 0.0 C		
0204082-03	SLJ3102LOESW	SOIL	7/31/02 13:20	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 0.0 C		
0204082-04	SLJ3102LOWSW	SOIL	7/31/02 13:30	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 0.0 C		
0204082-05	SLJ3102LOBHM	SOIL	7/31/02 13:40	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 0.0 C		
0204082-06	SLJ3102LOBHW	SOIL	7/31/02 13:50	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 0.0 C		
0204082-07	SLJ3102LOBHE	SOIL	7/31/02 14:00	8/1/02 11:10	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.0 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT Energy Pipeline

5805 E. Hwy. 80

Midland, TX 79701

915-684-3456

Order#: G0204082

Project: 2002-10199

Project Name: Shafter Lake To Jal

Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-01
Sample ID: SLJ3102LONSW

8015M

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	17.5	10.0
DRO, >C12-C35	53.4	10.0
TOTAL, C6-C35	70.9	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002694-02		8/4/02 13:51	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204082-02
Sample ID: SLJ3102LOSSW

8015M

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	10.2	10.0
DRO, >C12-C35	35.3	10.0
TOTAL, C6-C35	45.5	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-02
Sample ID: SLJ3102LOSSW

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002695-02		8/4/02 15:23	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204082-03
Sample ID: SLJ3102LOESW

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/1/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	6780	100
DRO, >C12-C35	6120	100
TOTAL, C6-C35	12900	100

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-03
Sample ID: SLJ3102LOESW

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002695-02		8/4/02 15:45	1	50	CK	8021B

Parameter	Result mg/kg	RL
Benzene	1.05	0.050
Ethylbenzene	22.0	0.050
Toluene	21.5	0.050
p/m-Xylene	39.5	0.050
o-Xylene	21.5	0.050

Lab ID: 0204082-04
Sample ID: SLJ3102LOWSW

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	20.0	10.0
TOTAL, C6-C35	20.0	10.0

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-04
Sample ID: SLJ3102LOWSW

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002695-02		8/4/02 16:07	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204082-05
Sample ID: SLJ3102LOBHM

8015M

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-05
Sample ID: SLJ3102LOBHM

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002695-02		8/4/02 16:52	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204082-06
Sample ID: SLJ3102LOBHW

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-06
Sample ID: SLJ3102LOBHW

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002695-02		8/4/02 17:14	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204082-07
Sample ID: SLJ3102LOBHE

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	14.4	10.0
DRO, >C12-C35	29.9	10.0
TOTAL, C6-C35	44.3	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204082
Project: 2002-10199
Project Name: Shafter Lake To Jal
Location: None Given

Lab ID: 0204082-07
Sample ID: SLJ3102LOBHE

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002695-02		8/4/02 17:36	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Approval: Raland K. Tuttle 8-07-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204082

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002682-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204082-02	45.5	909	794	82.3%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204082-02	45.5	909	813	84.4%	2.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002682-05		1000	985	98.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204082

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002694-02			<0.025		
Benzene-mg/kg		0002695-02			<0.025		
Ethylbenzene-mg/kg		0002694-02			<0.025		
Ethylbenzene-mg/kg		0002695-02			<0.025		
Toluene-mg/kg		0002694-02			<0.025		
Toluene-mg/kg		0002695-02			<0.025		
p/m-Xylene-mg/kg		0002694-02			<0.025		
p/m-Xylene-mg/kg		0002695-02			<0.025		
o-Xylene-mg/kg		0002694-02			<0.025		
o-Xylene-mg/kg		0002695-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204082-01	0	0.1	0.093	93.0%	
Benzene-mg/kg		0204083-14	0	0.1	0.099	99.0%	
Ethylbenzene-mg/kg		0204082-01	0	0.1	0.099	99.0%	
Ethylbenzene-mg/kg		0204083-14	0	0.1	0.102	102.0%	
Toluene-mg/kg		0204082-01	0	0.1	0.097	97.0%	
Toluene-mg/kg		0204083-14	0	0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0204082-01	0	0.2	0.204	102.0%	
p/m-Xylene-mg/kg		0204083-14	0	0.2	0.211	105.5%	
o-Xylene-mg/kg		0204082-01	0	0.1	0.098	98.0%	
o-Xylene-mg/kg		0204083-14	0	0.1	0.102	102.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204082-01	0	0.1	0.096	96.0%	3.2%
Benzene-mg/kg		0204083-14	0	0.1	0.098	98.0%	1.0%
Ethylbenzene-mg/kg		0204082-01	0	0.1	0.102	102.0%	3.0%
Ethylbenzene-mg/kg		0204083-14	0	0.1	0.101	101.0%	1.0%
Toluene-mg/kg		0204082-01	0	0.1	0.101	101.0%	4.0%
Toluene-mg/kg		0204083-14	0	0.1	0.102	102.0%	0.0%
p/m-Xylene-mg/kg		0204082-01	0	0.2	0.212	106.0%	3.8%
p/m-Xylene-mg/kg		0204083-14	0	0.2	0.208	104.0%	1.4%
o-Xylene-mg/kg		0204082-01	0	0.1	0.103	103.0%	5.0%
o-Xylene-mg/kg		0204083-14	0	0.1	0.101	101.0%	1.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002694-05		0.1	0.095	95.0%	
Benzene-mg/kg		0002695-05		0.1	0.094	94.0%	
Ethylbenzene-mg/kg		0002694-05		0.1	0.102	102.0%	
Ethylbenzene-mg/kg		0002695-05		0.1	0.096	96.0%	
Toluene-mg/kg		0002694-05		0.1	0.100	100.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

<i>SRM</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg		0002695-05		0.1	0.097	97.0%	
p/m-Xylene-mg/kg		0002694-05		0.2	0.212	106.0%	
p/m-Xylene-mg/kg		0002695-05		0.2	0.198	99.0%	
o-Xylene-mg/kg		0002694-05		0.1	0.103	103.0%	
o-Xylene-mg/kg		0002695-05		0.1	0.097	97.0%	

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

Project Name: Shafter Lake To Jal

Project #: 2002-10199

Project Loc:

PO#:

Sampler Signature:

Special Instructions						Sample Containers Int: Y N	
FAX RESULTS TO PAT MCCASLAND ASAP						Temperature Upon Request	
Relinquished:	Date	Time	Received by:	Date	Time	Laboratory Comments:	
Butt Clay	8-1	7:30	Brandon Boone	8-1	8:25	Rec 00°C	
Relinquished:	Date	Time	Received by:	Date	Time		
Brandon Boone			Rubick Ted	8-02	1110		

ANALYTICAL REPORT

Prepared for:

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Project: Shafter Lake to Jal
PO#: 2002-10199
Order#: G0204184
Report Date: 08/20/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

505-394-2601

Order#: G0204184

Project: 2002-10199

Project Name: Shafter Lake to Jal

Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time Collected</u>	<u>Date / Time Received</u>	<u>Container</u>	<u>Preservative</u>
0204184-01	SESLJ8902BH4-5'	SOIL	8/9/02 8:00	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204184-02	SESLJ8902BH4-10'	SOIL	8/9/02 8:15	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204184-03	SESLJ8902BH5-5'	SOIL	8/9/02 9:00	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204184-04	SESLJ8902BH5-10'	SOIL	8/9/02 9:15	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No		Temp: 3 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204184
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204184-01
Sample ID: SESLJ8902BH4-5'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	15.8	10.0
TOTAL, C6-C35	15.8	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002854-02		8/15/02 14:26	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204184-02
Sample ID: SESLJ8902BH4-10'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204184
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204184-02
Sample ID: SESLJ8902BH4-10'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002854-02		8/15/02 14:48	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204184-03
Sample ID: SESLJ8902BH5-5'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 2 of 4

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204184
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204184-03
Sample ID: SESLJ8902BH5-5'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/15/02 15:10	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204184-04
Sample ID: SESLJ8902BH5-10'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204184
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204184-04
Sample ID: SESLJ8902BH5-10'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002853-02		8/15/02 17:22	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

8-21-02

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204184

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002875-02			<10.0		
TOTAL, C6-C35-mg/kg		0002900-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204183-01	0	952	1320	138.7%	
TOTAL, C6-C35-mg/kg		0204184-04	0	952	1100	115.5%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204183-01	0	952	1240	130.3%	6.3%
TOTAL, C6-C35-mg/kg		0204184-04	0	952	1130	118.7%	2.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002875-05		1000	849	84.9%	
TOTAL, C6-C35-mg/kg		0002900-05		1000	1170	117%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204184

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002853-02			<0.025		
Benzene-mg/kg		0002854-02			<0.025		
Ethylbenzene-mg/kg		0002853-02			<0.025		
Ethylbenzene-mg/kg		0002854-02			<0.025		
Toluene-mg/kg		0002853-02			<0.025		
Toluene-mg/kg		0002854-02			<0.025		
p/m-Xylene-mg/kg		0002853-02			<0.025		
p/m-Xylene-mg/kg		0002854-02			<0.025		
o-Xylene-mg/kg		0002853-02			<0.025		
o-Xylene-mg/kg		0002854-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204184-03	0	0.1	0.109	109.%	
Benzene-mg/kg		0204201-15	0	0.1	0.107	107.%	
Ethylbenzene-mg/kg		0204184-03	0	0.1	0.106	106.%	
Ethylbenzene-mg/kg		0204201-15	0	0.1	0.115	115.%	
Toluene-mg/kg		0204184-03	0	0.1	0.112	112.%	
Toluene-mg/kg		0204201-15	0	0.1	0.111	111.%	
p/m-Xylene-mg/kg		0204184-03	0	0.2	0.223	111.5%	
p/m-Xylene-mg/kg		0204201-15	0	0.2	0.221	110.5%	
o-Xylene-mg/kg		0204184-03	0	0.1	0.112	112.%	
o-Xylene-mg/kg		0204201-15	0	0.1	0.114	114.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204184-03	0	0.1	0.089	89.%	20.2%
Benzene-mg/kg		0204201-15	0	0.1	0.106	106.%	0.9%
Ethylbenzene-mg/kg		0204184-03	0	0.1	0.102	102.%	3.8%
Ethylbenzene-mg/kg		0204201-15	0	0.1	0.109	109.%	5.4%
Toluene-mg/kg		0204184-03	0	0.1	0.098	98.%	13.3%
Toluene-mg/kg		0204201-15	0	0.1	0.109	109.%	1.8%
p/m-Xylene-mg/kg		0204184-03	0	0.2	0.211	105.5%	5.5%
p/m-Xylene-mg/kg		0204201-15	0	0.2	0.225	112.5%	1.8%
o-Xylene-mg/kg		0204184-03	0	0.1	0.101	101.%	10.3%
o-Xylene-mg/kg		0204201-15	0	0.1	0.107	107.%	6.3%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002853-05		0.1	0.109	109.%	
Benzene-mg/kg		0002854-05		0.1	0.086	86.%	
Ethylbenzene-mg/kg		0002853-05		0.1	0.110	110.%	
Ethylbenzene-mg/kg		0002854-05		0.1	0.096	96.%	
Toluene-mg/kg		0002853-05		0.1	0.111	111.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg		0002854-05		0.1	0.093	93.0%	
p/m-Xylene-mg/kg		0002853-05		0.2	0.227	113.5%	
p/m-Xylene-mg/kg		0002854-05		0.2	0.200	100.0%	
o-Xylene-mg/kg		0002853-05		0.1	0.109	109.0%	
o-Xylene-mg/kg		0002854-05		0.1	0.097	97.0%	

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PO #:

[illegible]

ANALYTICAL REPORT

Prepared for:

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Project: Shafter Lake to Jal
PO#: 2002-10199
Order#: G0204183
Report Date: 08/22/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
505-394-2601

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time	Date / Time	Container	Preservative
			Collected	Received		
0204183-01	SESLJ8802BBH-15'	SOIL	8/8/02 9:10	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
0204183-02	SESLJ8802BBH-20'	SOIL	8/8/02 9:30	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
0204183-03	SESLJ8802BBH-25'	SOIL	8/8/02 9:45	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
0204183-04	SESLJ8802BH1-5'	SOIL	8/8/02 10:25	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
0204183-05	SESLJ8802BH1-10'	SOIL	8/8/02 10:40	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
0204183-06	SESLJ8802BH1-15'	SOIL	8/8/02 11:00	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
0204183-07	SESLJ8802BH2-5'	SOIL	8/8/02 11:20	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
505-394-2601

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
	8015M 8021B/5030 BTEX					
0204183-08	SESLJ8802BH2-10'	SOIL	8/8/02 11:40	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M 8021B/5030 BTEX					
0204183-09	SESLJ8802BH2-15'	SOIL	8/8/02 12:00	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M 8021B/5030 BTEX					
0204183-10	SESLJ8802BH2-20'	SOIL	8/8/02 13:00	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M 8021B/5030 BTEX					
0204183-11	SESLJ8802BH3-5'	SOIL	8/8/02 13:40	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M 8021B/5030 BTEX					
0204183-12	SESLJ8802BH3-10'	SOIL	8/8/02 14:15	8/12/02 15:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-01
Sample ID: SESLJ8802BBH-15'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/14/02 16:07	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	85%	73	115
Bromofluorobenzene	95%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-02
Sample ID: SESLJ8802BBH-20'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/14/02 16:29	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	84%	73	115
Bromofluorobenzene	95%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-03
Sample ID: SESLJ8802BBH-25'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/14/02 16:51	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	80%	73	115
Bromofluorobenzene	95%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-04
Sample ID: SESLJ8802BH1-5'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	27.0	10.0
TOTAL, C6-C35	27.0	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002854-02		8/14/02 17:12	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	80%	73	115
Bromofluorobenzene	95%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-05
Sample ID: SESLJ8802BH1-10'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002854-02		8/14/02 17:34	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	73	115
Bromofluorobenzene	102%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-06
Sample ID: SESLJ8802BH1-15'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	6740	100
DRO, >C12-C35	12800	100
TOTAL, C6-C35	19540	100

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002854-02		8/14/02 17:57	1	200	CK	8021B

Parameter	Result mg/kg	RL
Benzene	2.98	0.200
Ethylbenzene	29.4	0.200
Toluene	30.9	0.200
p/m-Xylene	61.7	0.200
o-Xylene	30.6	0.200

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	159%	73	115
Bromofluorobenzene	128%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-07
Sample ID: SESLJ8802BH2-5'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/14/02 18:19	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	73	115
Bromofluorobenzene	103%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-08
Sample ID: SESLJ8802BH2-10'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	7970	100
DRO, >C12-C35	14100	100
TOTAL, C6-C35	22070	100

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/14/02 18:41	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	1.99	0.100
Ethylbenzene	38.0	0.100
Toluene	41.7	0.100
p/m-Xylene	73.4	0.100
o-Xylene	39.8	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	498%	73	115
Bromofluorobenzene	160%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-09
Sample ID: SESLJ8802BH2-15'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	11.2	10.0
DRO, >C12-C35	131	10.0
TOTAL, C6-C35	142	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/15/02 12:57	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	73	115
Bromofluorobenzene	107%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-10
Sample ID: SESLJ8802BH2-20'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002854-02		8/15/02 13:19	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	73	115
Bromofluorobenzene	101%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-11
Sample ID: SESLJ8802BH3-5'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	15.0	10.0
TOTAL, C6-C35	15.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002854-02		8/15/02 13:41	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	73	115
Bromofluorobenzene	102%	72	110

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204183
Project: 2002-10199
Project Name: Shafter Lake to Jal
Location: None Given

Lab ID: 0204183-12
Sample ID: SESLJ8802BH3-10'

8015M

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		8/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002854-02		8/15/02 14:04	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	73	115
Bromofluorobenzene	104%	72	110

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

8-22-02
Date

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204183

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002875-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204183-01	0	952	1320	138.7%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204183-01	0	952	1240	130.3%	6.3%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002875-05		1000	849	84.9%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204183

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002854-02			<0.025		
Ethylbenzene-mg/kg		0002854-02			<0.025		
Toluene-mg/kg		0002854-02			<0.025		
p/m-Xylene-mg/kg		0002854-02			<0.025		
o-Xylene-mg/kg		0002854-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204184-03	0	0.1	0.109	109.0%	
Ethylbenzene-mg/kg		0204184-03	0	0.1	0.106	106.0%	
Toluene-mg/kg		0204184-03	0	0.1	0.112	112.0%	
p/m-Xylene-mg/kg		0204184-03	0	0.2	0.223	111.5%	
o-Xylene-mg/kg		0204184-03	0	0.1	0.112	112.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204184-03	0	0.1	0.089	89.0%	20.2%
Ethylbenzene-mg/kg		0204184-03	0	0.1	0.102	102.0%	3.8%
Toluene-mg/kg		0204184-03	0	0.1	0.098	98.0%	13.3%
p/m-Xylene-mg/kg		0204184-03	0	0.2	0.211	105.5%	5.5%
o-Xylene-mg/kg		0204184-03	0	0.1	0.101	101.0%	10.3%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002854-05		0.1	0.086	86.0%	
Ethylbenzene-mg/kg		0002854-05		0.1	0.096	96.0%	
Toluene-mg/kg		0002854-05		0.1	0.093	93.0%	
p/m-Xylene-mg/kg		0002854-05		0.2	0.200	100.0%	
o-Xylene-mg/kg		0002854-05		0.1	0.097	97.0%	

Environmental Lab of Texas, Inc.

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: Pat McCasland
Company Name: ENVIRONMENTAL PLUS
Company Address: 2100 Ave O
City/State/Zip: Eunice N.M 88231
Telephone No: 505-394-3481
Sampler Signature: Bradley Blewett

Project Name: Shafter Lake to Jol.
Project #: 2002-10199
Project Loc: _____
PO #: _____

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative								Matrix			Analyze For										RUSH TAT (Pre-Schedule)	Standard TAT								
					Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	ICLIP				Metals As Ag Ba Ca Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030												
																TDS/CL/SAR/EL	TPH 4121	TPH TX 1005/1006	TPH 8015A DRO/DRO					TOC	TOB			TOC	TOB						
01	SESLJ8802BBH-15'	8-8-02	9:10	1	X										X																				
02	SESLJ8802BBH-20'	8-8-02	9:30	1	X										X																				
03	SESLJ8802BBH-25'	8-8-02	9:45	1	X										X																				
04	SESLJ8802BH1-5'	8-8-02	10:25	1	X										X																				
05	SESLJ8802BH1-10'	8-8-02	10:40	1	X										X																				
06	SESLJ8802BH1-15'	8-8-02	11:00	1	X										X																				
07	SESLJ8802BH2-5'	8-8-02	11:20	1	X										X																				
08	SESLJ8802BH2-10'	8-8-02	11:40	1	X										X																				
09	SESLJ8802BH2-15'	8-8-02	12:00	1	X										X																				
10	SESLJ8802BH2-20'	8-8-02	1:00	1	X										X																				

Special Instructions:

Relinquished by: Bradley Blewett Date: 8-8-02 Time: 10:00

Relinquished by: Mark G Date: 8-12-02 Time: 15:45

Received by: Mark G Date: 8-12-02 Time: 10:05

Received by: Ray Blum Date: 8-12-02 Time: 15:45

Sample Containers Intact? Y N

Temperature Upon Receipt: 30°C

Laboratory Comments: _____

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Pat McCasland

Company Name: ENVIRONMENTAL PLUS

Company Address: 2100 Ave O

City/State/Zip: Eunice La 88231

Telephone No: 505-394-3481 Fax No: 505-394-2601

Sampler Signature: Brady Blum

Project Name: Shafter Lake To Jal

Project # 2002-10199

Project Loc: _____

PO #: _____

[illegible]

ANALYTICAL REPORT

Prepared for:

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Project: Shafter Lake 8"

PO#: 2002-10199

Order#: G0204525

Report Date: 09/20/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701
915-684-3456

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204525-01	SESL91602NSW5'	SOIL	9/16/02 10:50	9/16/02 13:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204525-02	SESL91602WSW5'	SOIL	9/16/02 11:00	9/16/02 13:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204525-03	SESL91602SSW5'	SOIL	9/16/02 10:40	9/16/02 13:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204525-04	SESL91602NFP5'	SOIL	9/16/02 10:25	9/16/02 13:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204525-05	SESL91602SFL5'	SOIL	9/16/02 10:15	9/16/02 13:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204525-06	SESL91602B	SOIL	9/16/02 10:00	9/16/02 13:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204525-01
Sample ID: SESL91602NSW5'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		9/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003187-02		9/19/02 13:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	95%	80	120
Bromofluorobenzene	97%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204525-02
Sample ID: SESL91602WSW5'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		9/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	30.9	10.0
TOTAL, C6-C35	30.9	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003187-02		9/19/02 16:13	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	98%	80	120
Bromofluorobenzene	98%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204525-03
Sample ID: SESL91602SSW5'

8015M

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		9/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0003187-02		9/19/02 16:35	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	95%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204525-04
Sample ID: SESL91602NFP5'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		9/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003187-02		9/19/02 16:57	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	104%	80	120
Bromofluorobenzene	104%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204525-05
Sample ID: SESL91602SFL5'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		9/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003187-02		9/19/02 17:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	106%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204525
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204525-06
Sample ID: SESL91602B

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		9/17/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	276	10.0
DRO, >C12-C35	633	10.0
TOTAL, C6-C35	909	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003187-02		9/19/02 17:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.027	0.025
Ethylbenzene	1.00	0.025
Toluene	0.459	0.025
p/m-Xylene	2.44	0.025
o-Xylene	1.18	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	107%	80	120
Bromofluorobenzene	110%	80	120

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

Raland K. Tuttle 9-23-02

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204525

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003159-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003159-03		952	1140	119.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003159-04		952	1220	128.2%	6.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003159-05		1000	1090	109.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204525

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003187-02			<0.025		
Ethylbenzene-mg/kg		0003187-02			<0.025		
Toluene-mg/kg		0003187-02			<0.025		
p/m-Xylene-mg/kg		0003187-02			<0.025		
o-Xylene-mg/kg		0003187-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204528-01	0	0.1	0.103	103.0%	
Ethylbenzene-mg/kg		0204528-01	0	0.1	0.106	106.0%	
Toluene-mg/kg		0204528-01	0	0.1	0.105	105.0%	
p/m-Xylene-mg/kg		0204528-01	0	0.2	0.220	110.0%	
o-Xylene-mg/kg		0204528-01	0	0.1	0.106	106.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204528-01	0	0.1	0.102	102.0%	1.0%
Ethylbenzene-mg/kg		0204528-01	0	0.1	0.106	106.0%	0.0%
Toluene-mg/kg		0204528-01	0	0.1	0.104	104.0%	1.0%
p/m-Xylene-mg/kg		0204528-01	0	0.2	0.219	109.5%	0.5%
o-Xylene-mg/kg		0204528-01	0	0.1	0.105	105.0%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003187-05		0.1	0.107	107.0%	
Ethylbenzene-mg/kg		0003187-05		0.1	0.107	107.0%	
Toluene-mg/kg		0003187-05		0.1	0.108	108.0%	
p/m-Xylene-mg/kg		0003187-05		0.2	0.222	111.0%	
o-Xylene-mg/kg		0003187-05		0.1	0.107	107.0%	

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

Eduard Hager

PO#:

Sampler Signature: <i>Edna J. Hayes</i>												Analyze For																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Project: Shafter Lake 8"
PO#: 2002-10199
Order#: G0204613
Report Date: 10/01/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS

5805 E. HWY. 80

MIDLAND, TX 79706

915-684-3456

Order#: G0204613

Project: 2002-10199

Project Name: Shafter Lake 8"

Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204613-01	SESL92502BH16	SOIL	9/25/02 7:30	9/25/02 12:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: -1.0 C			
8015M						
8021B/5030 BTEX						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204613
Project: 2002-10199
Project Name: Shafter Lake 8"
Location: None Given

Lab ID: 0204613-01
Sample ID: SESL92502BH16

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	209	10.0
DRO, >C12-C35	491	10.0
TOTAL, C6-C35	700	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003266-02		9/30/02 2:14	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.142	0.025
Toluene	0.388	0.025
p/m-Xylene	1.04	0.025
o-Xylene	0.516	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	88%	80	120
Bromofluorobenzene	99%	80	120

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

10-02-02

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204613

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003235-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003235-03		952	1120	117.6%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003235-04		952	1200	126.1%	6.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003235-05		1000	1220	122.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204613

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003266-02			<0.025		
Ethylbenzene-mg/kg		0003266-02			<0.025		
Toluene-mg/kg		0003266-02			<0.025		
p/m-Xylene-mg/kg		0003266-02			<0.025		
o-Xylene-mg/kg		0003266-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204617-09	0	0.1	0.089	89.%	
Ethylbenzene-mg/kg		0204617-09	0	0.1	0.092	92.%	
Toluene-mg/kg		0204617-09	0	0.1	0.091	91.%	
p/m-Xylene-mg/kg		0204617-09	0	0.2	0.195	97.5%	
o-Xylene-mg/kg		0204617-09	0	0.1	0.092	92.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204617-09	0	0.1	0.094	94.%	5.5%
Ethylbenzene-mg/kg		0204617-09	0	0.1	0.100	100.%	8.3%
Toluene-mg/kg		0204617-09	0	0.1	0.097	97.%	6.4%
p/m-Xylene-mg/kg		0204617-09	0	0.2	0.211	105.5%	7.9%
o-Xylene-mg/kg		0204617-09	0	0.1	0.100	100.%	8.3%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003266-05		0.1	0.096	96.%	
Ethylbenzene-mg/kg		0003266-05		0.1	0.104	104.%	
Toluene-mg/kg		0003266-05		0.1	0.099	99.%	
p/m-Xylene-mg/kg		0003266-05		0.2	0.218	109.%	
o-Xylene-mg/kg		0003266-05		0.1	0.103	103.%	

ANALYTICAL REPORT

Prepared for:

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Project: EOTT
PO#: 2002-10199
Order#: G0204695
Report Date: 10/08/2002

Certificates

US EPA Laboratory Code TX00158

EOTT Shafter Lake 8" to Jal #1

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.
P.O. Box 1558

Eunice, NM 88231
505-394-2601

Order#: G0204695
Project: Shafter Lake 8"
Site 1
Project Name: EOTT
Location: SESL810202PABH17

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

			Date / Time	Date / Time		
0204695-01	SESL810202PABH17	SOIL	10/2/02 12:20	10/2/02 15:07	8 oz Amber Glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4.0 C		
8015M						
8021B/5030 BTEX						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204695
Project: Shafter Lake 8" Site 1
Project Name: EOTT
Location: SESL810202PABH17

Lab ID: 0204695-01
Sample ID: SESL810202PABH17

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		10/3/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	61.7	10.0
DRO, >C12-C35	733	10.0
TOTAL, C6-C35	795	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003374-02		10/5/02 11:44	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	103%	80	120
Bromofluorobenzene	104%	80	120

Approval: Jeanne McMurrey 10-09-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204695

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003338-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003338-03		952	863	90.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003338-04		952	862	90.5%	0.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003338-05		1000	790	79.9%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204695

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003374-02			<0.025		
Ethylbenzene-mg/kg		0003374-02			<0.025		
Toluene-mg/kg		0003374-02			<0.025		
p/m-Xylene-mg/kg		0003374-02			<0.025		
o-Xylene-mg/kg		0003374-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204712-01	0	0.1	0.088	88.%	
Ethylbenzene-mg/kg		0204712-01	0	0.1	0.091	91.%	
Toluene-mg/kg		0204712-01	0	0.1	0.090	90.%	
p/m-Xylene-mg/kg		0204712-01	0	0.2	0.194	97.%	
o-Xylene-mg/kg		0204712-01	0	0.1	0.091	91.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204712-01	0	0.1	0.097	97.%	9.7%
Ethylbenzene-mg/kg		0204712-01	0	0.1	0.100	100.%	9.4%
Toluene-mg/kg		0204712-01	0	0.1	0.099	99.%	9.5%
p/m-Xylene-mg/kg		0204712-01	0	0.2	0.212	106.%	8.9%
o-Xylene-mg/kg		0204712-01	0	0.1	0.100	100.%	9.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003374-05		0.1	0.088	88.%	
Ethylbenzene-mg/kg		0003374-05		0.1	0.093	93.%	
Toluene-mg/kg		0003374-05		0.1	0.091	91.%	
p/m-Xylene-mg/kg		0003374-05		0.2	0.198	99.%	
o-Xylene-mg/kg		0003374-05		0.1	0.094	94.%	

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

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

Project Name: ΕΡΤ

Project #: SHUTTER / #KE 8" S.I.E.I

Project Loc: SESC 810202 PRBH17

PO #:

Project Manager:

Company Name

Company Address:

City/State/Zip: FINNICE N. MEXICO

Telephone No. 360 394-3481 Fax No. _____

Fax No: _____

Sampler Signature: Edgar J. Hansen ES

[illegible]

ANALYTICAL REPORT

Prepared for:

**Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701**

Project: Shafter Lake 8" to Jal
PO#: 2002-10199
Order#: G0204762
Report Date: 10/15/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701
915-684-3456

Order#: G0204762
Project: 2002-10199
Project Name: Shafter Lake 8" to Jal
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204762-01	SESL8101002PABH18	SOIL	10/10/02 10:00	10/12/02 10:10	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: -1.0 C			
8015M						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0204762
Project: 2002-10199
Project Name: Shafter Lake 8" to Jal
Location: None Given

Lab ID: 0204762-01
Sample ID: SESL8101002PABH18

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		10/14/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	86%	70	130
1-Chlorooctadecane	83%	70	130

Approval: Jeanne McMurrey
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204762

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003429-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204763-02	0	952	801	84.1%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204763-02	0	952	811	85.2%	1.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003429-05		1000	830	83.0%	

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

Project Name: Shafter Lake 8" to Jal

Project #: 2002-10199

Project Loc:

PO#:

Sampler Signature:

Eddie J. Hayes

Special Instructions						Sample Containers Int. ☒ N	
FAX RESULTS TO PAT MCCASLAND ASAP						Temperature Upon Request	
Relinquished:	Date	Time	Received by:	Date	Time	Laboratory Comments:	
<i>Elle J. Harper</i>	10/11/02	7:30	<i>Pat McCasland</i>	10/11/02	2:50	-1.0°C	
Relinquished:	Date	Time	Received by:	Date	Time		
<i>Pat G.</i>	10/12/02	10/0	<i>Sandra Bingle</i>	10/12/02	10/0		

ATTACHMENT V: AREA WATER INFORMATION

New Mexico Tech Geo-Information IMS Database

Shape	Point	Point	Point	Point
Area	0.000	0.000	0.000	0.000
Perimeter	0.000	0.000	0.000	0.000
Water_wells#	1411	1382	1262	1278
Water_wells-id	1411	1382	1262	1278
Index_no	1411	1382	1262	1278
Siteid	320605103044701	320547103051901	320438103050701	320450103061301
Latitude	320605	320547	320438	320450
Longitud	1030447	1030519	1030507	1030613
Loclname	11717	11716	11719	12847
Altitude	3030	3047	3024	3035
Use	S	U	S	U
Depth	110.00	0.00	60.00	0.00
Geo-unit	No Data	No Data	No Data	No Data
Waterlev	51.40	69.84	58.15	203.67
WI-date	19910606	19530215	19910606	19910606
Wlingwsi	7	1	8	4
Sitestat	No Data	No Data	R	No Data
Discharg	0.00	0.00	0.00	0.00
Spc	0	0	0	0
Spc-date	No Data	No Data	No Data	No Data
Qwyear	1965	1953	1965	1976
Temp	0.0	0.0	0.0	0.0
Tempdate	No Data	No Data	No Data	No Data
Obs-well	No Data	No Data	No Data	No Data

**New Mexico Office of the State Engineer
Well Reports and Downloads**

Township:	25S	Range:	38E	Sections:	
NAD27 X:		Y:		Zone:	
County:		Basin:		Number:	
Suffix:					
Owner Name: (First)		(Last)		☐ Non-Domestic ☐ Domestic	
☒ All					
Well / Surface Data Report			Avg Depth to Water Report		
Water Column Report					
Clear Form		WATERS Menu		Help	

WATER COLUMN REPORT 07/27/2002

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Wate Colum
CP 00458	25S	38E	20	1						115	80	3
CP 00455 2	25S	38E	20	1						100	75	2
CP 00455	25S	38E	20	1						115	80	3

Record Count: 3

http://164.64.214.10/awdProd/awd.html?email_address=envipus1@aol.com&tw=25S&r... 7/27/2002



ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

Micro-Blaze

Micro-Blaze Oil™

October 4, 2003

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French
Hobbs, New Mexico 88240

Subject: Link Energy, formerly EOTT Energy LLC, Final C-141

Re: Shafter Lake to Jal 8" #2002-10199
UL-G, SW¼ of the NE¼ of Section 32, R38E, T25S
Latitude 32° 05' 22.7"N and Longitude 103° 04' 55.4"W
Landowner: D.K. Boyd Oil and Gas Company

Dear Mr. Johnson,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, Link Energy, formerly EOTT Energy LLC, submits the attached New Mexico Oil Conservation Division (NMOCD) Final form C-141 for the above referenced leak site. The Final C-141 is attached along with the closure documentation.

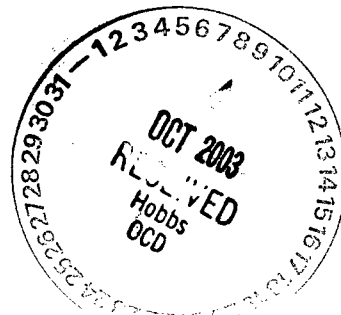
If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively or Mr. Frank Hernandez at 505.631.3095. All official communication should be addressed to:

Mr. Frank Hernandez
Link Energy
PO Box 1660
5805 East Highway 80
Midland, Texas 79702

Sincerely,

Pat McCasland
EPI Technical Services Manager

cc: Frank Hernandez, Link Energy, w/enclosure
William Von Drehle, Link Energy, w/enclosure
Jeff Dann, Link Energy, w/enclosure
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President
File



ENVIRONMENTAL PLUS, INC.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Link Energy	Contact Frank Hernandez
Address: PO Box 1660 5805 East Highway 80 Midland, Texas 79702	Telephone No. 505.631.3095
Facility Name Shafter Lake to Jal 8" #2002-10199	Facility Type 8" Steel Pipeline

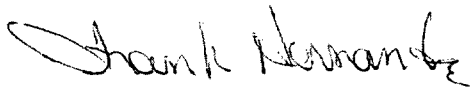
Surface Owner: D.K. Boyd Oil & Gas	Mineral Owner	Lease No.
------------------------------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter 32	Section 32	Township T25S	Range R38E	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea Lat. 32 05' 22.7"N Lon. 103 04' 55.4"W
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NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 25 bbls barrels	Volume Recovered 4 bbls barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence Link Energy	Date and Hour of Discovery 7-25-02 @ 1:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Pat McCasland, EPI	Date and Hour 7-25-02 @ 5:00 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* External corrosion. Line was replaced and contaminated soil disposed of.		
Describe Area Affected and Cleanup Action Taken.* ☐ Site was delineated. Contaminated soil was disposed of in the Environmental Plus, Inc. Landfarm. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

Signature: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Frank Hernandez		Approved by District Supervisor:	
Title: District Environmental Supervisor		Approval Date:	Expiration Date:
Date: October 3, 2003	Phone: 505.631.3095	Conditions of Approval:	Attached ☐

* Attach Additional Sheet