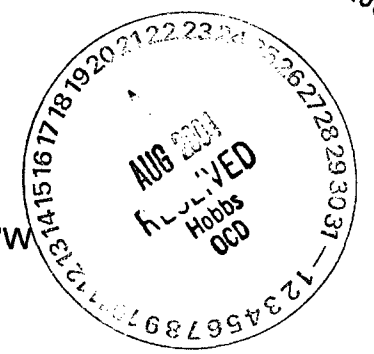
Link Energy
P.O. Box 1660
Midland. Texas 79702-1660

1RP-57
9/27/05

March 31, 2004

AUG 16 2004

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



Subject: Closure Documentation and Final C-141
Shafter Lake to Jal 8" #6
Section 36, R37E, T25S
Latitude: 32° 5' 6.5"N and Longitude: 103° 6' 59.4"W
Link Energy Reference #2003-00230
Landowner: George Willis

Dear Mr. Johnson:

Link Energy is pleased to submit the Final C-141 and closure documentation for the above referenced site for your review and acceptance. This report documents the extent of contamination associated with the release of approximately 10 bbls of sweet crude oil from a Link Energy 8" pipeline and the remedial activities taken to achieve the appropriate site remedial goals. Link Energy conducted the remedial activities consistent with the New Mexico Oil Conservation Division (NMOCD) regulations and guidelines for the remediation of pipeline releases. Based on the data included with this report, Link Energy requests that the NMOCD consider activities for this site to be complete and require "no further action" for this site location.

If there are any questions please contact myself at Link Energy's office in Midland or Jeff Dann in Houston at (432) 684-3508 or (713) 993-5352 respectively. I can also be reached by mail at the address at the top of the page.

Thank you for your time and consideration in this matter.

Sincerely,

Daniel Bryant
Environmental Coordinator
Link Energy

Jeffrey P. Dann, C.P.G.
Environmental Specialist
Link Energy

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 October 10, 2003

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: Daniel Bryant
Address: 5805 E. Hwy 80, Midland, TX 79706	Telephone No.: (432) 684-3508
Facility Name: Shafter Lake to Jal 8" #6	Facility Type: 8" Steel Pipeline

Surface Owner	Mineral Owner	Lease No.
George Willis	NA	NA

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	36	25S	37E					Lea

Latitude N32°5'6.5" **Longitude** W103°6'59.4"

NATURE OF RELEASE

Type of Release: Crude Oil Release	Volume of Release: 10 bbls.	Volume Recovered: 1 bbl.
Source of Release: 8" Steel Pipeline	Date and Hour of Occurrence 8/14/2003 10:30 AM	Date and Hour of Discovery 8/14/2003 12:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Frank Hernandez	Date and Hour 8/14/2003 1:00 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Internal corrosion caused a leak on an 8" section of steel pipeline while in the process of de-oiling the pipeline.

Describe Area Affected and Cleanup Action Taken.*
Affected area = 15,750 ft^2
Affected soils were blended on-site with clean soils obtained from the surrounding area to reach NMOCD regulatory standards.

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: Daniel Bryant

Printed Name: Daniel Bryant

Title: Environmental Coordinator

E-mail Address: daniel.bryant@linkenergy.com

Date: March, 31 2004 Phone: (432) 684-3508

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: Expiration Date:

Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary

1.0 INTRODUCTION & BACKGROUND

This report addresses the site investigation and remedial activities associated with a release of approximately 10 bbls of sweet crude oil which occurred on August 14, 2003. The location of the release is approximately 3.5 miles southeast of Jal, NM in Section 36, Township 25 South, Range 37 East, of Lea County. Mr. Frank Hernandez of Link Energy notified Mr. Larry Johnson of the New Mexico Oil Conservation Division (NMOCD) of this release on August 14, 2003. The release occurred on an 8" pipeline owned by Link Energy while in the process of de-oiling the line. George Willis of Jal, NM owns the property where the release occurred. Latitude and Longitude readings for the site location are N32° 5' 6.5" and W103° 6' 59.4". The Link Energy site name is Shafter Lake to Jal 8" #6.

2.0 SITE ASSESSMENT & INFORMATION

2.1 NMOCD Site Ranking

This site was ranked according to the applicable NMOCD regulations, taking into account the depth to groundwater, wellhead protection area and distance to surface water bodies.

2.1a Depth to Groundwater

Water wells found in the area were reported to have a depth to groundwater at approximately 72 feet below grade surface (bgs) to 185 feet bgs. Based on this information, the depth to groundwater was conservatively estimated to be approximately 72' at the site location. A Water well inventory is included with this report and is attached as Appendix C.

2.1b Wellhead Protection Area

No private domestic water sources were found within 200' of the site location and no other water sources were found within 1,000' of the site location.

2.1c Distance to Surface Water Bodies

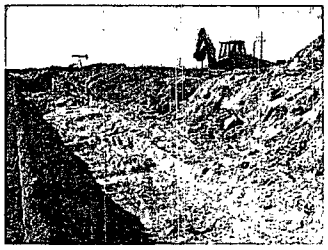
No surface water bodies were found to exist within 1,000' of the subject site based on all information available.

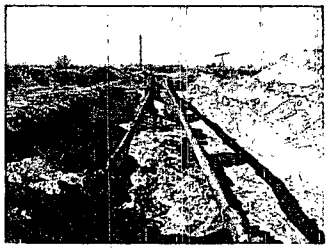
The NMOCD total ranking score for this site location as per this information would be 10 for contaminants in the soil to a depth of approximately 22'. The remedial goals for this site with the NMOCD ranking of 10 are as follows:
Benzene: 10 ppm
BTEX: 50 ppm
TPH: 1,000 ppm

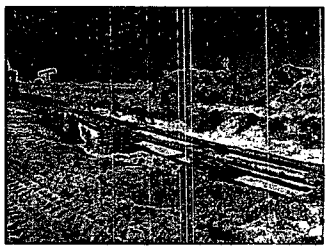
2.2 Geological and Hydrogeological Characteristics

Geological data for the subject property was derived from Groundwater Report 6 "Geology and Ground-Water Conditions in Southern Lea County, New Mexico" Alexander Nicholson, Jr. and Alfred Clebsch, Jr., 1961 and Bulletin 87 "Mineral and Water Resources of New Mexico", 1965 both of which were prepared by the USGS. The area is reported to be within the Ogallala formation and Quarternary Alluvium geologic structures. The Quarternary Alluvium is described as consisting of alluvial deposits of unconsolidated fine to medium grain reddish brown sands and is consistent with site field observations. The Ogallala formation is similar in geologic structure to the Quarternary Alluvium consisting of mainly unconsolidated calcareous sand. Caliche is reported to be common in the Ogallala formation which is also consistent with site field observations.

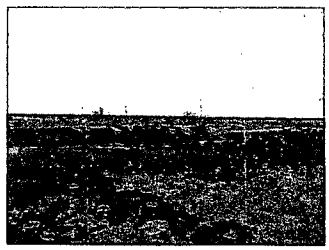
3.0 REMEDIAL SITE ACTIVITIES

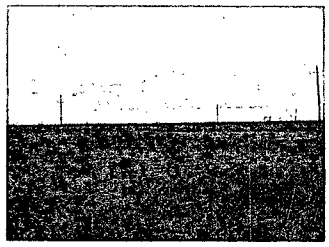






Site excavation activities began on January 15, 2004. During the excavation process, soil samples were obtained for field screening using a photoionization detector (PID) to establish levels of contamination in the soil formation. Surface soils are composed of a fine to very fine sandy loam, which is consistent with the geology of the area. Excavation activities continued until a calcareous caliche layer was discovered at approximately 3' bgs. This hard caliche layer appears to have acted as a barrier to prevent the further vertical migration of contaminants. The site investigation concluded that the contaminants were confined to the interval above the hard caliche layer. Soil samples were collected for laboratory analysis on January 20, 2004. Soil samples collected from the bottom of the excavation reported TPH analytical results from below the laboratory method reporting limit (10.0 ppm) in the center bottom location at 4.0' bgs to 629.0 ppm at the west bottom location collected at 5.0' bgs. Sidewall TPH samples ranged from below the laboratory method reporting limit to 11,300 ppm on the south sidewall portion of the west side of the excavation at 2.5' bgs and 4,020 ppm on the south sidewall portion of the east side of the excavation at 2.5' bgs. A blended stockpile sample was also collected and analyzed for TPH and BTEX constituents. The PID reading from the stockpile was 81.0 ppm and all soils were blended to this PID reading or lower during field activities. Laboratory results indicated the TPH concentration for the blended stockpile was 628 ppm and the total BTEX concentration was <1.1434 ppm with the benzene being below the laboratory method reporting limit (0.0250 ppm). The excavation was extended to the south to remove the remaining contaminants that were above the regulatory threshold of 1,000 ppm. Additional soil samples were taken on the south sidewall on January 30, 2004. The south sidewall sample from





the west side #2 sample at 2.5' bgs indicated a TPH concentration below the laboratory method detection limit. The south sidewall sample from the east side #2 2.5' bgs sample reported a TPH concentration of 201 ppm. The excavation was then backfilled to complete the remedial field activities. A cumulative table summarizing the analytical results is attached in Appendix A and the laboratory data can be found in Appendix B.

4.0 SUMMARY AND CLOSURE JUSTIFICATION

Based upon the regulatory guidelines established by the NMOCD, this site meets the guidelines and should be closed. Contaminants have been removed and remediated at the site location to a maximum TPH concentration of 629 ppm (west bottom 5.0' bgs). This TPH concentration is well below the regulatory threshold of 1,000 ppm TPH for soil from the surface to 22' bgs. If the NMOCD is in agreement with this recommendation, Link Energy requests "no further action" for this subject property. In the event that the NMOCD is not satisfied with the remedial activities associated with this site, please provide notification as to what activities are required to obtain closure.

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ATTACHMENTS

FIGURES

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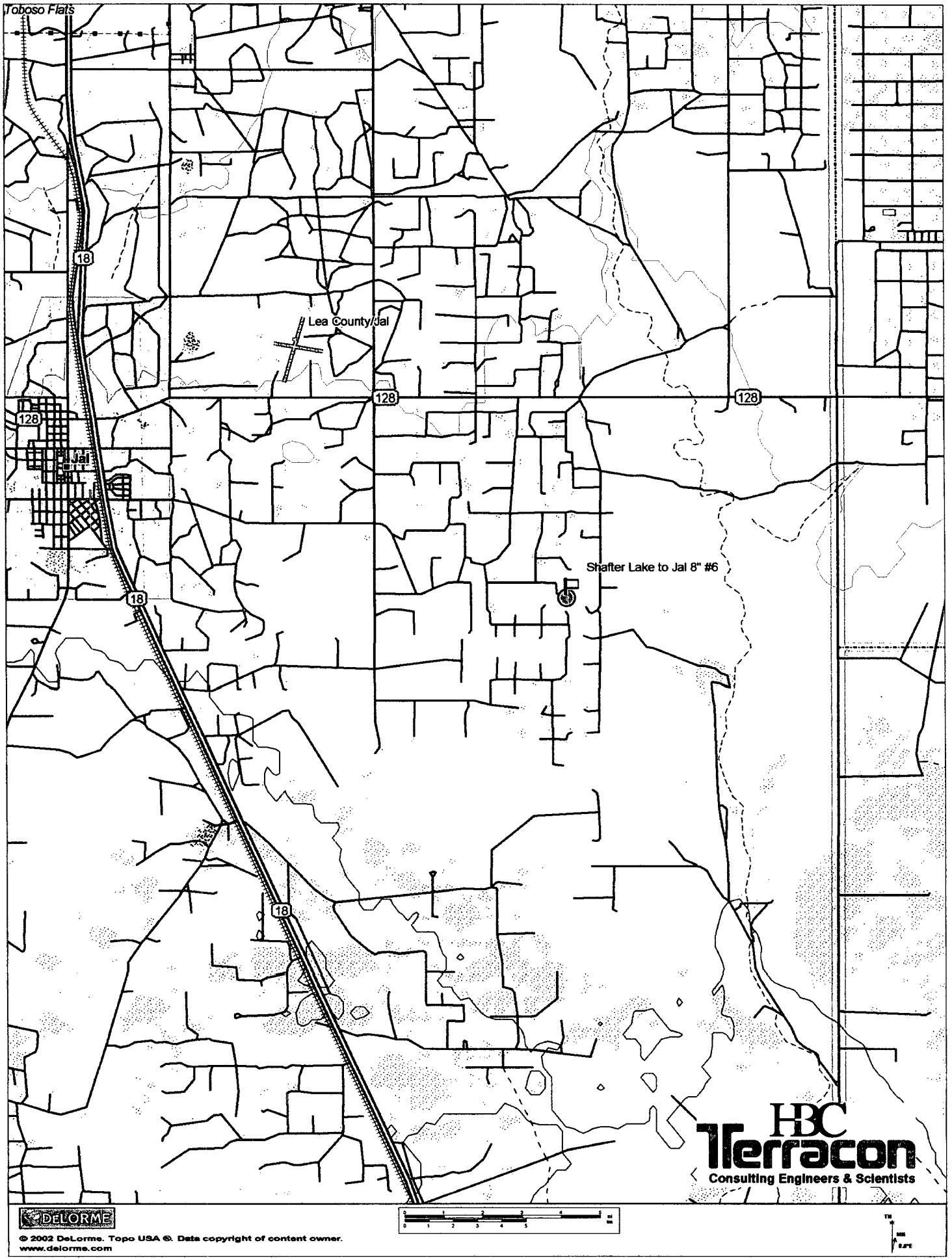
FIGURE 1

Site Location Map


Toboso Flats
18
Lea County Jal
128
128
128
Jal
Shafter Lake to Jal 8" #6
18
18
HBC
Terracon
Consulting Engineers & Scientists
DELORME
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www.delorme.com

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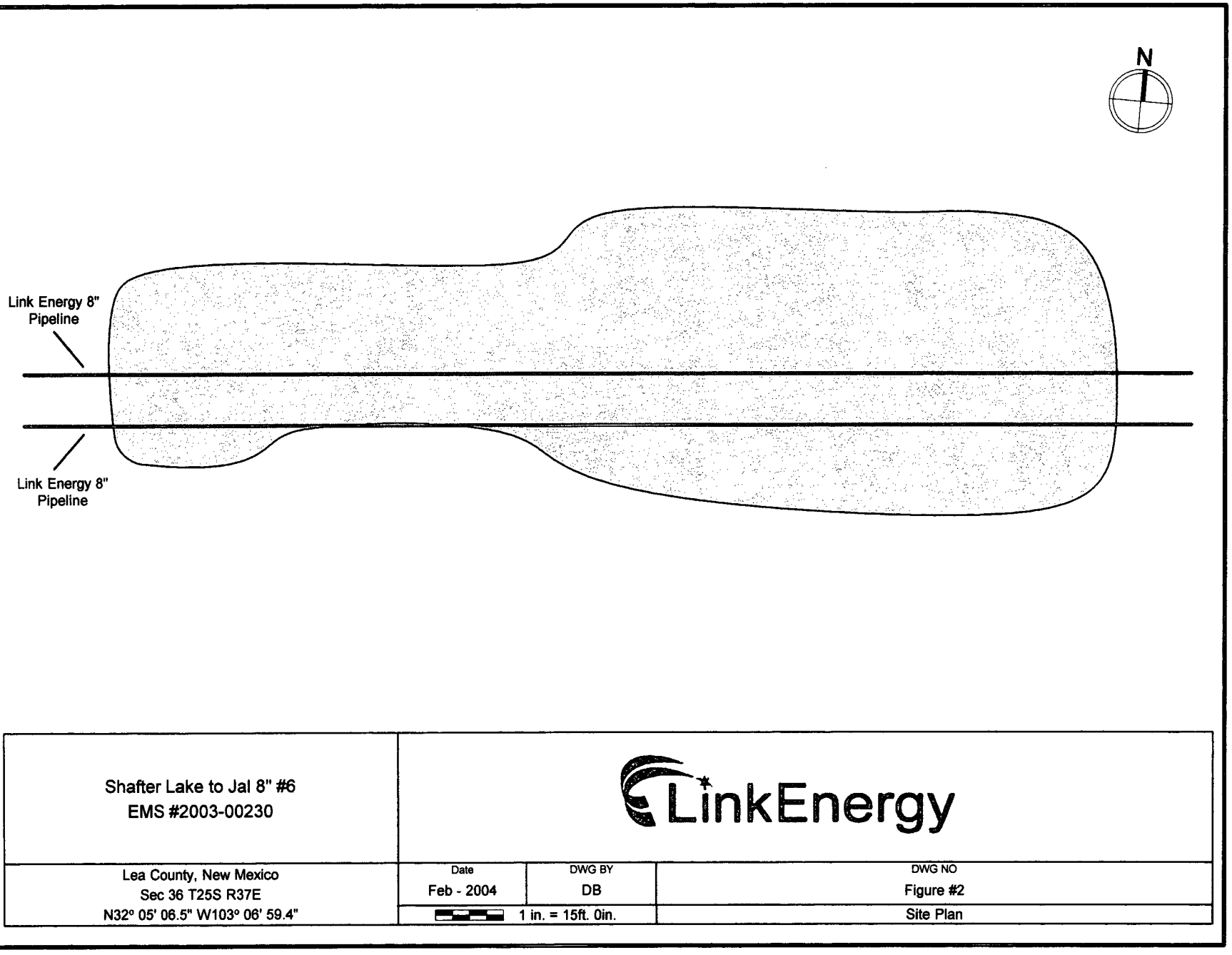
FIGURE 2

Site Plan

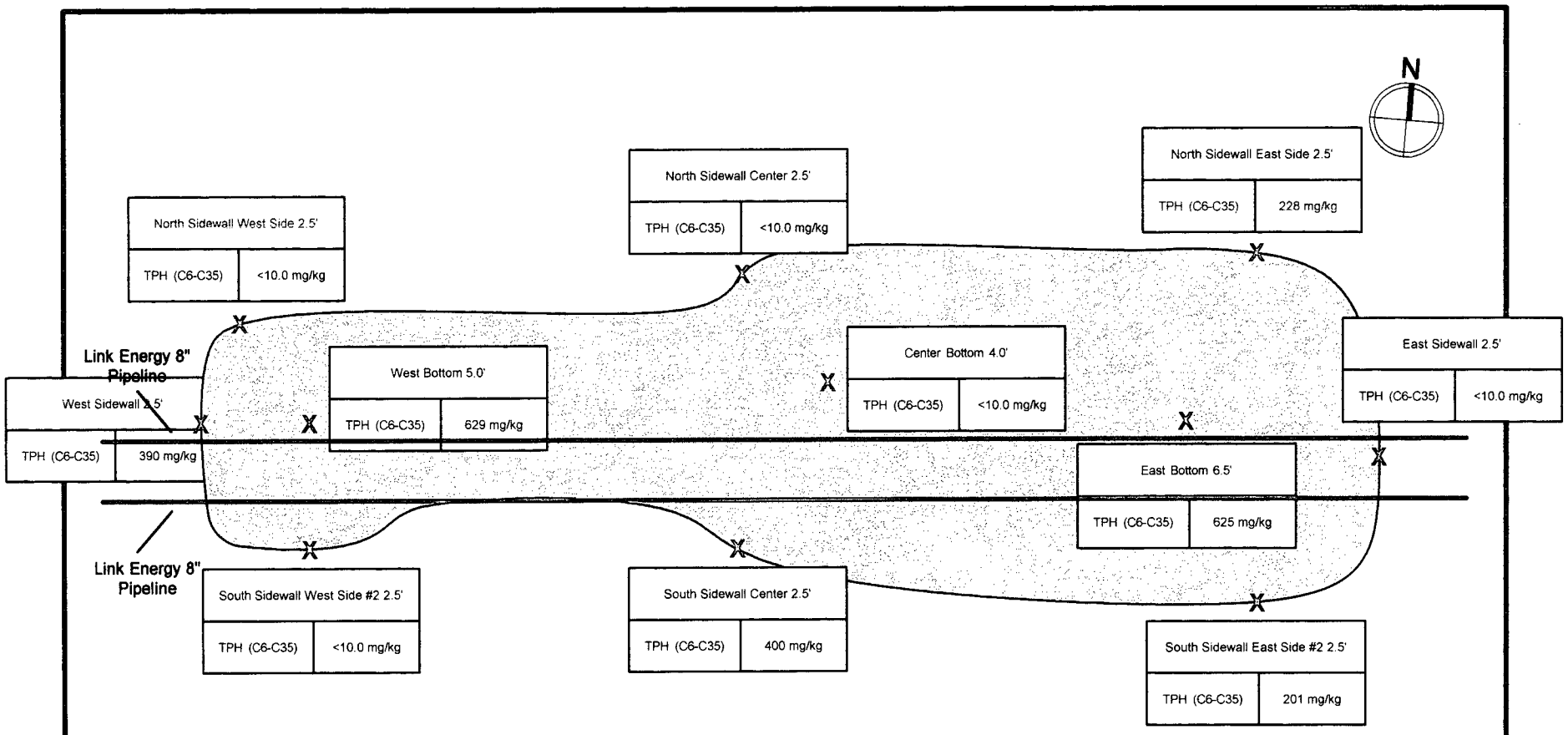


Shafter Lake to Jal 8" #6 EMS #2003-00230	LinkEnergy		
Lea County, New Mexico Sec 36 T25S R37E N32° 05' 06.5" W103° 06' 59.4"	Date Feb - 2004	DWG BY DB	DWG NO Figure #2
	1 in. = 15ft. 0in.		Site Plan

LinkEnergy

FIGURE 3

Soil Contaminant Concentration Map



Shafter Lake to Jal 8" #6 EMS #2003-00230	LinkEnergy		
Lea County, New Mexico Sec 36 T25S R37E N32° 05' 06.5" W103° 06' 59.4"	Date Feb - 2004	DWG BY DB	DWG NO Figure #3
	1 in. = 15ft. 0in.		Soil Contaminant Concentration Map

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APPENDIX A

Cumulative Tables

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Soil Cumalative Analytical Tables

Shafter Lake to Jal 8" #6

EMS #2003-00230

Sample ID	Sample Date	TPH C6-C12	TPH C-12-35	Total C6-C35	Benzene*	Toluene*	Ethylbenzene*	Xylene (total)*	Total BTEX*	PID*
West Bottom 5.0'	1/20/2004	82.5	546	629	N/A	N/A	N/A	N/A	N/A	5.6
Center Bottom 4.0'	1/20/2004	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	3.3
East Bottom 6.5	1/20/2004	127	498	625	N/A	N/A	N/A	N/A	N/A	2.9
S. Sidewall W. Side 2.5'	1/20/2004	3500	7820	11320	N/A	N/A	N/A	N/A	N/A	98.0
S. Sidewall Center 2.5'	1/20/2004	56.5	343	400	N/A	N/A	N/A	N/A	N/A	12.4
S. Sidewall E. Side 2.5'	1/20/2004	1020	3000	4020	N/A	N/A	N/A	N/A	N/A	88.4
West Sidewall 2.5'	1/20/2004	58.4	332	390	N/A	N/A	N/A	N/A	N/A	47.0
East Sidewall 2.5'	1/20/2004	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	0.8
N. Sidewall W. Side 2.5'	1/20/2004	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	0.2
N. Sidewall Center 2.5'	1/20/2004	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	1.4
N. Sidewall E. Side 2.5'	1/20/2004	37.1	191	228	N/A	N/A	N/A	N/A	N/A	24.0
Blended Stockpile	1/20/2004	185	443	628	ND	0.0928	0.0696	0.956	<1.1434	81.0
S. Sidewall W. Side #2 2.5'	1/30/2004	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	0.8
S. Sidewall E. Side #2 2.5'	1/30/2004	33.7	167	201	N/A	N/A	N/A	N/A	N/A	1.4

All analytical results reported in mg/kg (ppm).

ND = Non-detect N/A = Not Analyzed

*** BTEX analysis not required for samples with a PID reading of less than 100 ppm.**

LinkEnergy

APPENDIX B

Laboratory Data
&
QA/QC

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant
Link Energy Pipeline
P.O. Box 1660
Midland, TX 79702

Project: Shafter Lake to Jal 8 inch #6
Project Number: 2003-00230
Location: None Given

Lab Order Number: 4A22009

Report Date: 01/28/04

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	Reported:
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
West Bottom 5.0'	4A22009-01	Soil	01/20/04 00:00	01/22/04 15:40
Center Bottom 4.0'	4A22009-02	Soil	01/20/04 00:00	01/22/04 15:40
East Bottom 6.5'	4A22009-03	Soil	01/20/04 00:00	01/22/04 15:40
South Sidewall West Side 2.5'	4A22009-04	Soil	01/20/04 00:00	01/22/04 15:40
South Sidewall Center 2.5'	4A22009-05	Soil	01/20/04 00:00	01/22/04 15:40
South Sidewall East Side 2.5'	4A22009-06	Soil	01/20/04 00:00	01/22/04 15:40
West Sidewall 2.5'	4A22009-07	Soil	01/20/04 00:00	01/22/04 15:40
East Sidewall 2.5'	4A22009-08	Soil	01/20/04 00:00	01/22/04 15:40
North Sidewall West Side 2.5'	4A22009-09	Soil	01/20/04 00:00	01/22/04 15:40
North Sidewall Center 2.5'	4A22009-10	Soil	01/20/04 00:00	01/22/04 15:40
North Sidewall East Side 2.5'	4A22009-11	Soil	01/20/04 00:00	01/22/04 15:40
Blended Stockpile	4A22009-12	Soil	01/20/04 00:00	01/22/04 15:40

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West Bottom 5.0' (4A22009-01) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**82.5**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**546**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**629**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
Center Bottom 4.0' (4A22009-02) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.0 %*	*70-130*		"	"	"	"	
East Bottom 6.5' (4A22009-03) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**127**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**498**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**625**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
South Sidewall West Side 2.5' (4A22009-04) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									S-06
Gasoline Range Organics C6-C12	**3500**	50.0	mg/kg dry	5	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**7820**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**11300**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*34.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*55.4 %*	*70-130*		"	"	"	"	*S-06*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	Reported:
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South Sidewall Center 2.5' (4A22009-05) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**56.5**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**343**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**400**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
South Sidewall East Side 2.5' (4A22009-06) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**1020**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**3000**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4020**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	
West Sidewall 2.5' (4A22009-07) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**58.4**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**332**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**390**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
East Sidewall 2.5' (4A22009-08) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.4 %*	*70-130*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North Sidewall West Side 2.5' (4A22009-09) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	ND	20.0	mg/kg dry	2	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.2 %*	*70-130*		"	"	"	"	
North Sidewall Center 2.5' (4A22009-10) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.4 %*	*70-130*		"	"	"	"	
North Sidewall East Side 2.5' (4A22009-11) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**37.1**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**191**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**228**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
Blended Stockpile (4A22009-12) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Gasoline Range Organics C6-C12	**185**	10.0	mg/kg dry	1	EA42305	01/23/04	01/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**443**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**628**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	

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Raland K. Tuttle

Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	Reported:
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West Bottom 5.0' (4A22009-01) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	93.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
Center Bottom 4.0' (4A22009-02) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	91.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
East Bottom 6.5' (4A22009-03) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	93.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
South Sidewall West Side 2.5' (4A22009-04) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	97.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
South Sidewall Center 2.5' (4A22009-05) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	95.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
South Sidewall East Side 2.5' (4A22009-06) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	91.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
West Sidewall 2.5' (4A22009-07) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	95.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
East Sidewall 2.5' (4A22009-08) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	97.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
North Sidewall West Side 2.5' (4A22009-09) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	84.0		%	1	EA42308	01/23/04	01/23/04	% calculation	

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Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North Sidewall Center 2.5' (4A22009-10) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	97.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
North Sidewall East Side 2.5' (4A22009-11) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	97.0		%	1	EA42308	01/23/04	01/23/04	% calculation	
Blended Stockpile (4A22009-12) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
% Solids	94.0		%	1	EA42308	01/23/04	01/23/04	% calculation	

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Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

Halogenated and Volatile Organics by EPA Method 8021B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Blended Stockpile (4A22009-12) Soil Sampled: 01/20/04 00:00 Received: 01/22/04 15:40									
Benzene	ND	0.0250	mg/kg dry	25	EA42805	01/26/04	01/28/04	EPA 8021B	
Toluene	**0.0928**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0696**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.320**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.636**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.1 %*	*80-120*		"	"	"	"	

Environmental Lab of Texas

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Raland K. Tuttle

Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42305 - 8015M										
Blank (EA42305-BLK1)				Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*42.5*		*mg/kg*	*50.0*		*85.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.5*		*"*	*50.0*		*89.0*	*70-130*			
Blank (EA42305-BLK2)				Prepared: 01/23/04 Analyzed: 01/24/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*42.0*		*mg/kg*	*50.0*		*84.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.1*		*"*	*50.0*		*84.2*	*70-130*			
LCS (EA42305-BS1)				Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	484		mg/kg	500		96.8	75-125			
Diesel Range Organics >C12-C35	470		"	500		94.0	75-125			
Total Hydrocarbon C6-C35	954		"	1000		95.4	75-125			
Surrogate: 1-Chlorooctane	*49.6*		*"*	*50.0*		*99.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.2*		*"*	*50.0*		*88.4*	*70-130*			
LCS (EA42305-BS2)				Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	479		mg/kg	500		95.8	75-125			
Diesel Range Organics >C12-C35	450		"	500		90.0	75-125			
Total Hydrocarbon C6-C35	929		"	1000		92.9	75-125			
Surrogate: 1-Chlorooctane	*50.5*		*"*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.3*		*"*	*50.0*		*84.6*	*70-130*			
LCS Dup (EA42305-BSD2)				Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	482		mg/kg	500		96.4	75-125	0.624	20	
Diesel Range Organics >C12-C35	454		"	500		90.8	75-125	0.885	20	
Total Hydrocarbon C6-C35	936		"	1000		93.6	75-125	0.751	20	
Surrogate: 1-Chlorooctane	*50.5*		*"*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.0*		*"*	*50.0*		*84.0*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42305 - 8015M										
Calibration Check (EA42305-CCV1)				Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	503		mg/kg	500		101	80-120			
Diesel Range Organics >C12-C35	473		"	500		94.6	80-120			
Total Hydrocarbon C6-C35	976		"	1000		97.6	80-120			
Surrogate: 1-Chlorooctane	*56.2*		"	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.2*		"	*50.0*		*112*	*70-130*			
Calibration Check (EA42305-CCV2)				Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	507		mg/kg	500		101	80-120			
Diesel Range Organics >C12-C35	471		"	500		94.2	80-120			
Total Hydrocarbon C6-C35	978		"	1000		97.8	80-120			
Surrogate: 1-Chlorooctane	*57.2*		"	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.4*		"	*50.0*		*105*	*70-130*			
Matrix Spike (EA42305-MS1)	**Source: 4A22009-02**			Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	515		mg/kg	500	ND	103	75-125			
Diesel Range Organics >C12-C35	498		"	500	ND	99.6	75-125			
Total Hydrocarbon C6-C35	1010		"	1000	ND	101	75-125			
Surrogate: 1-Chlorooctane	*55.2*		"	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.1*		"	*50.0*		*102*	*70-130*			
Matrix Spike Dup (EA42305-MSD1)	**Source: 4A22009-02**			Prepared & Analyzed: 01/23/04						
Gasoline Range Organics C6-C12	517		mg/kg	500	ND	103	75-125	0.388	20	
Diesel Range Organics >C12-C35	512		"	500	ND	102	75-125	2.77	20	
Total Hydrocarbon C6-C35	1030		"	1000	ND	103	75-125	1.96	20	
Surrogate: 1-Chlorooctane	*55.7*		"	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.7*		"	*50.0*		*101*	*70-130*			

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Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42308 - % Moisture										
Blank (EA42308-BLK1)				Prepared & Analyzed: 01/23/04						
% Solids	100		%							
Duplicate (EA42308-DUP1)		**Source: 4A22009-01**		Prepared & Analyzed: 01/23/04						
% Solids	95.0		%		93.0			2.13	20	

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Raland K Tuttle

Raland Tuttle, Laboratory Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	01/28/04 13:59

Halogenated and Volatile Organics by EPA Method 8021B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42805 - EPA 5030C (GC)										
Blank (EA42805-BLK1)				Prepared & Analyzed: 01/26/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*80.5*		*ug/kg*	*100*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*83.5*		*"*	*100*		*83.5*	*80-120*			
LCS (EA42805-BS1)				Prepared & Analyzed: 01/26/04						
Benzene	87.6		ug/kg	100		87.6	80-120			
Toluene	89.4		"	100		89.4	80-120			
Ethylbenzene	89.8		"	100		89.8	80-120			
Xylene (p/m)	182		"	200		91.0	80-120			
Xylene (o)	89.9		"	100		89.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*87.2*		*"*	*100*		*87.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.2*		*"*	*100*		*91.2*	*80-120*			
Calibration Check (EA42805-CCV1)				Prepared: 01/26/04 Analyzed: 01/28/04						
Benzene	89.1		ug/kg	100		89.1	80-120			
Toluene	90.8		"	100		90.8	80-120			
Ethylbenzene	89.9		"	100		89.9	80-120			
Xylene (p/m)	182		"	200		91.0	80-120			
Xylene (o)	92.4		"	100		92.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.8*		*"*	*100*		*90.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.0*		*"*	*100*		*98.0*	*80-120*			
Matrix Spike (EA42805-MS1)	**Source: 4A23005-03**			Prepared & Analyzed: 01/26/04						
Benzene	84.8		ug/kg	100	ND	84.8	80-120			
Toluene	86.2		"	100	ND	86.2	80-120			
Ethylbenzene	86.6		"	100	ND	86.6	80-120			
Xylene (p/m)	176		"	200	ND	88.0	80-120			
Xylene (o)	89.3		"	100	ND	89.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	*82.9*		*"*	*100*		*82.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.1*		*"*	*100*		*99.1*	*80-120*			

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12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Halogenated and Volatile Organics by EPA Method 8021B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42805 - EPA 5030C (GC)										
Matrix Spike Dup (EA42805-MSD1)	**Source: 4A23005-03**			Prepared & Analyzed: 01/26/04						
Benzene	91.0		ug/kg	100	ND	91.0	80-120	7.05	20	
Toluene	92.3		"	100	ND	92.3	80-120	6.83	20	
Ethylbenzene	92.9		"	100	ND	92.9	80-120	7.02	20	
Xylene (p/m)	188		"	200	ND	94.0	80-120	6.59	20	
Xylene (o)	95.4		"	100	ND	95.4	80-120	6.61	20	
Surrogate: a,a,a-Trifluorotoluene	*86.4*		"	*100*		*86.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.1*		"	*100*		*99.1*	*80-120*			

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Link Energy
5805 Highway 80 East
Midland, Texas 79706
Phone: (432) 684-3400
Fax: (432) 682-9719

SPECIAL INSTRUCTIONS:

METHOD: 8015M

PROJECT NAME:	PROJECT NUMBER:
Shafter Lake to Jal 8" #6	2003-00230
SAMPLERS (SIGNATURE)	RESULTS ATTENTION TO:
Daniel Bryant 4/22/2009	Daniel Bryant

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE: COOL	HCl	H_2SO_4	HNO_3	Ice	NUMBER OF CONTAINERS	ANALYSIS: TPH	REMARKS
01 West Bottom 5.0'	1/20/04		soil					X		X	01
02 Center Bottom 4.0'										X	02
03 East Bottom 6.5'										X	03
04 South Sidewall West Side 2.5'										X	04
05 South Sidewall Center 2.5'										X	05
06 South Sidewall East Side 2.5'										X	06
07 West Sidewall 2.5'										X	07
08 East Sidewall 2.5'										X	08
09 North Sidewall West Side 2.5'										X	09
10 North Sidewall Center 2.5'										X	10

EMAIL 2009-

SHIPPING VIA:	RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
SHIPPING #:	SIGNATURE: Daniel Bryant	SIGNATURE: Roland K Tuttle	SIGNATURE	SIGNATURE
LABORATORY PRIORITY	PRINTED NAME: DANIEL BRYANT	PRINTED NAME: Roland K Tuttle	PRINTED NAME	PRINTED NAME
____ 24hr ____ 48hr ____ 5 days	FIRM: LINK ENERGY	FIRM: ELOT	FIRM	FIRM
____ STANDARD	DATE/TIME: 1/22/04 15:40	DATE/TIME: 1/22/04 1540	DATE/TIME	DATE/TIME
____ PROVIDE VERBAL PRELIMINARY RESULTS				
____ OTHER				

Link Energy
5805 Highway 80 East
Midland, Texas 79706
Phone: (432) 684-3400
Fax: (432) 682-9719

SPECIAL INSTRUCTIONS:

METHOD	8015M	8021						

PROJECT NAME:	PROJECT NUMBER:
Shafter Lake to Sal 8" #6	2003-00230
SAMPLERS (SIGNATURE)	RESULTS ATTENTION TO:
David Bryant 4/A 22009	Daniel Bryant

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE: COOL	HCl	H_2SO_4	HNO_3	ICE	NUMBER OF CONTAINERS	ANALYSIS: TPH	BTEX							REMARKS
11 North Sidewall East Side 2.5'	1/20/04		Soil					X		X								11
12 Blended Stockpile	1/20/04		Soil					X		X	X							12

@4/A 22009

SHIPPING VIA:	RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
SHIPPING #:	SIGNATURE: David Bryant	SIGNATURE: Roland C Tate	SIGNATURE:	SIGNATURE:
LABORATORY PRIORITY	PRINTED NAME: DANIEL BRYANT	PRINTED NAME: Roland C Tate	PRINTED NAME:	PRINTED NAME:
___ 24hr ___ 48hr ___ 5 days	FIRM: LINK ENERGY	FIRM: ECOT	FIRM:	FIRM:
___ STANDARD	DATE/TIME: 1/22/04 15:40	DATE/TIME: 1/22/04 1540	DATE/TIME:	DATE/TIME:
___ PROVIDE VERBAL PRELIMINARY RESULTS				
___ OTHER				

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Link Energy

Date/Time: 1-22-04 1540

Order #: 4A 22009

Initials: KA

Sample Receipt Checklist

Temperature of container/cooler?	~~Yes~~	No	4.0 C
Shipping container/cooler in good condition?	~~Yes~~	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	Not ~~present~~
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	~~Yes~~	No	
Container labels legible and intact?	~~Yes~~	No	
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	Yes	No	~~Not Applicable~~

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant
Link Energy Pipeline
P.O. Box 1660
Midland, TX 79702

Project: Shafter Lake to Jal 8 inch #6
Project Number: 2003-00230
Location: None Given

Lab Order Number: 4A30005

Report Date: 02/02/04

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	Reported:
Link Energy Pipeline	Project Manager: Daniel Bryant	02/02/04 11:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
South Sidewall West Side #2 2.5'	4A30005-01	Soil	01/30/04 00:00	01/30/04 14:00
South Sidewall East Side #2 2.5'	4A30005-02	Soil	01/30/04 00:00	01/30/04 14:00

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	Reported:
Link Energy Pipeline	Project Manager: Daniel Bryant	02/02/04 11:01

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South Sidewall West Side #2 2.5' (4A30005-01) Soil	**Sampled: 01/30/04 00:00**		**Received: 01/30/04 14:00**						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA43013	01/30/04	01/31/04	EPA 8015M	
Diesel Range Organics >C12-C35	J [7.49]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
South Sidewall East Side #2 2.5' (4A30005-02) Soil	**Sampled: 01/30/04 00:00**		**Received: 01/30/04 14:00**						
Gasoline Range Organics C6-C12	**33.7**	10.0	mg/kg dry	1	EA43013	01/30/04	01/31/04	EPA 8015M	
Diesel Range Organics >C12-C35	**167**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**201**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*127 %*	*70-130*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Roland K. Tuttle

Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	02/02/04 11:01

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South Sidewall West Side #2 2.5' (4A30005-01) Soil	**Sampled: 01/30/04 00:00**		**Received: 01/30/04 14:00**						
% Solids	97.0		%	1	EA43101	01/31/04	01/31/04	% calculation	
South Sidewall East Side #2 2.5' (4A30005-02) Soil	**Sampled: 01/30/04 00:00**		**Received: 01/30/04 14:00**						
% Solids	98.0		%	1	EA43101	01/31/04	01/31/04	% calculation	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline	Project: Shafter Lake to Jal 8 inch #6	(432) 682-9719
P.O. Box 1660	Project Number: 2003-00230	**Reported:**
Link Energy Pipeline	Project Manager: Daniel Bryant	02/02/04 11:01

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA43013 - 1005 TX										
Blank (EA43013-BLK1)				Prepared: 01/30/04 Analyzed: 01/31/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.4*		*mg/kg*	*50.0*		*72.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.8*		*"*	*50.0*		*75.6*	*70-130*			
LCS (EA43013-BS1)				Prepared & Analyzed: 01/30/04						
Gasoline Range Organics C6-C12	449	10.0	mg/kg wet	500		89.8	75-125			
Diesel Range Organics >C12-C35	407	10.0	"	500		81.4	75-125			
Total Hydrocarbon C6-C35	856	10.0	"	1000		85.6	75-125			
Surrogate: 1-Chlorooctane	*45.0*		*mg/kg*	*50.0*		*90.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.0*		*"*	*50.0*		*78.0*	*70-130*			
LCS Dup (EA43013-BSD1)				Prepared & Analyzed: 01/30/04						
Gasoline Range Organics C6-C12	444	10.0	mg/kg wet	500		88.8	75-125	1.12	20	
Diesel Range Organics >C12-C35	402	10.0	"	500		80.4	75-125	1.24	20	
Total Hydrocarbon C6-C35	846	10.0	"	1000		84.6	75-125	1.18	20	
Surrogate: 1-Chlorooctane	*45.4*		*mg/kg*	*50.0*		*90.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.3*		*"*	*50.0*		*80.6*	*70-130*			
Calibration Check (EA43013-CCV1)				Prepared: 01/30/04 Analyzed: 01/31/04						
Gasoline Range Organics C6-C12	528		mg/kg	500		106	80-120			
Diesel Range Organics >C12-C35	499		"	500		99.8	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	*58.4*		*"*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.7*		*"*	*50.0*		*115*	*70-130*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Roland K. Tuttle
Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA43101 - % Moisture										
Blank (EA43101-BLK1)				Prepared & Analyzed: 01/31/04						
% Solids	100		%							
Duplicate (EA43101-DUP1)		**Source: 4A30001-01**		Prepared & Analyzed: 01/31/04						
% Solids	86.0		%		86.0			0.00	20	

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Link Energy
5805 Highway 80 East
Midland, Texas 79706
Phone: (432) 684-3400
Fax: (432) 682-9719

SPECIAL INSTRUCTIONS:

METHOD: BOISM

PROJECT NAME:	PROJECT NUMBER:
Shafter Lake to Jal 8" #6	2003-00230
SAMPLERS (SIGNATURE)	RESULTS ATTENTION TO:
Daniel Bryant	Daniel Bryant

SAMPLE I.D.	DATE	TIME	MATRIX	PRESERVATIVE: COOL	HCl	H_2SO_4	HNO_3	Ice	NUMBER OF CONTAINERS	ANALYSIS: TPH	REMARKS
South Sidewall West Side #2 2.5'	1/30/04		soil					X		X	4A 3005-01
South Sidewall East Side #2 2.5'	1/30/04		soil					X		X	-02

SHIPPING VIA:	2.5°C
SHIPPING #:	4oz glass

LABORATORY PRIORITY
____ 24hr ____ 48hr ____ 5 days
____ STANDARD
____ PROVIDE VERBAL PRELIMINARY RESULTS
____ OTHER

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
SIGNATURE: Daniel Bryant	SIGNATURE: Jeanne McMurrey	SIGNATURE:	SIGNATURE:
PRINTED NAME: Daniel Bryant	PRINTED NAME: Jeanne McMurrey	PRINTED NAME:	PRINTED NAME:
FIRM: Link Energy	FIRM: Env. Lab of Tx	FIRM:	FIRM:
DATE/TIME: 1/30/04 14:00	DATE/TIME: 01-30-04 @1400	DATE/TIME:	DATE/TIME:

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Link Energy

Date/Time: 01-30-04 @ 1430

Order #: 4A30005

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

LinkEnergy

APPENDIX C

Water Well Inventory

Shape	Point	Point	Point
Area	0.000	0.000	0.000
Perimeter	0.000	0.000	0.000
Water_wells#	1303	1305	1306
Water_wells-id	1303	1305	1306
Index_no	1303	1305	1306
Siteid	320458103062801	320458103062802	320458103062803
Latitude	320458	320458	320458
Longitud	1030628	1030628	1030628
Loclname	11701	11702	11703
Altitude	3031	3031	3031
Use	U	U	U
Depth	94.00	120.00	120.00
Geo-unit	*No Data*	*No Data*	*No Data*
Waterlev	73.14	72.23	71.89
Wl-date	19651021	19810325	19701217
Wlingwsi	1	6	2
Sitestat	*No Data*	*No Data*	*No Data*
Discharg	0.00	0.00	0.00
Spc	0	0	0
Spc-date	*No Data*	*No Data*	*No Data*
Qwyear	1965	1953	1965
Temp	0.0	0.0	0.0
Tempdate	*No Data*	*No Data*	*No Data*
Obs-well	*No Data*	*No Data*	*No Data*

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 25S Range: 37E Sections: 25,26,27,33,34,35,36

NAD27 X: Y: Zone: Search Radius:

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

AVERAGE DEPTH OF WATER REPORT 04/28/2004

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	25S	37E	35				1	185	185	185

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 26S Range: 37E Sections: 1,2,3,4

NAD27 X: Y: Zone: Search Radius:

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

AVERAGE DEPTH OF WATER REPORT 04/28/2004

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 25S Range: 38E Sections: 30,31

NAD27 X: Y: Zone: Search Radius:

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

AVERAGE DEPTH OF WATER REPORT 04/28/2004

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 26S Range: 37E Sections: 6

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) C Non-Domestic C Domestic
◉ All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/28/2004

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

LinkEnergy

APPENDIX D

NMOCD Regulatory Report Forms

August 18, 2003

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

Subject: EOTT Energy LLC Initial C-141

Re: Shafter Lake to Jal 8" #6, 2003-00230
UL-K, NE¼ of the SW¼ of Section 36 T25S R37E
Latitude 32° 05' 06.5"N and Longitude 103° 06' 59.4"W

Dear Mr. ,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, EOTT Energy LLC, submits the attached New Mexico Oil Conservation Division (NMOCD) form C-141 for the above referenced leak site located on land owned by the George Willis, approximately 7 miles southeast of Jal, New Mexico . The New Mexico Tech Geo-Information Database records a water well in the area with a water level of ~214'bgs. The attached site information and metrics form ranks the site in accordance with the "NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)."

EOTT Energy LLC proposes to remediate the site consistent with the NMOCD Guidelines and, if necessary, develop and submit a site specific remediation plan for NMOCD approval to address issues identified during delineation of the vertical and horizontal extents of contamination of the Constituents of Concern (CoCs), i.e., Total Petroleum Hydrocarbon EPA method 8015m (TPH^{8015m}), Benzene, and BTEX, i.e., the mass sum of Benzene, Toluene, Ethyl Benzene, and Xylenes. The contaminated soil is exempted from RCRA 40 CFR Part 261.

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:

P.O. BOX 1558 ••• 2100 WEST AVE. O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

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

Micro-Blaze Micro-Blaze Gel™

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

Sincerely,

Pat McCasland
EPI Technical Services Manager

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

ENVIRONMENTAL PLUS, INC.

P.O. BOX 1558 ••• 2100 WEST AVE. O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 FAX 505•394•2601

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 **EOTT Energy LLC**	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" #6 Ref. #2003-00230**	Facility Type **8" Steel Pipeline**

Surface Owner **George Willis**	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	
K	**36**	**T25S**	**R37E**					County: Lea Lat. 32° 05' 06.5"N Lon. 103° 06' 59.4"W

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **10 barrels**	Volume Recovered **1 barrels**
Source of Release **8" Steel Pipeline**	Date and Hour of Occurrence **8/14/2003 @10:30 AM**	Date and Hour of Discovery **8/14/2003 @12:00 AM**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour **Not required**	
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.*
8" Steel Pipeline Pipe repair clamp installed.

Describe Area Affected and Cleanup Action Taken.*
Remedial Goals: TPH 8015m = 5000 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.
The site will be delineated and remediated in accordance with the NMOCD Guidelines.

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: F. Hernandez	**OIL CONSERVATION DIVISION**
Printed Name: Frank Hernandez e-mail:frank.hernandez@eott.com	Approved by District Supervisor:
Title: District Environmental Supervisor	Approval Date: / Expiration Date:
Date: August 18, 2003 Phone: 505.631.3095	Conditions of Approval: / Attached ☐

* Attach Additional Sheets If Necessary