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Phone 505 393 4261
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Phone 432.522 2133
Fax 432 522 2180

SAN ANTONIO
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Phone 210 579 0235
Fax 210 568 2191

TULSA
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Phone 918 742.0871
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TYLER
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ENVIRONMENTAL CONSULTING
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Toll Free 866 742 0742
www talonlpe com

June 28, 2010

Mr. Mike Bratcher
NMDOCD District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

RE: Final Closure report for Lime Rock Resources Operation Company, Inc. Resler State P.W. Transfer pump. Flow line release. 2RP-414

Dear Mr. Mike Bratcher,

Lime Rock Resources Operating Company, Inc. has contracted Talon/LPE (Talon) to perform assessment and remediation services at the Resler State P.W. Transfer pump release site. Within this transmittal Talon presents a final report on the cleanup activities.

Incident Date: April 26, 2010

Remediation Action: On April 26, 2010 Talon/LPE (Talon) made an emergency call to the New Mexico One Call system. Equipment was immediately brought to the release site and berms were constructed upgradient of the drainage area. The berms were constructed to prevent the migration of additional fluids into the drainage area by possible rain fall in the vicinity. A vacuum truck recovered standing fluids. The recovered fluids were taken to an appropriate disposal facility. Equipment began excavation and transportation of impacted soil from the release area. The initial release area is located down gradient of the parted flow line next to the lease road. The initial release area was measured to be sixty (60) yds long x fifty (50) yds wide. The release entered onto a road utilized by Centurion Pipeline L.P. to maintain an anode bed for the catholic protection of a nearby interstate pipeline system. The flow path on the anode bed maintenance road was measured to be one hundred (100) yds long x two (2) feet wide. The release then entered into a drainage area located due east of the flow line. The impacted area located in the drainage area was measured to be seventy (70) yds long x seven (7) yds wide. The initial C-141 form reporting the release was submitted to the NMOCD on May 4, 2010. A work plan for the release was submitted to the NMOCD on April 30, 2010. An amended work plan was requested by Mrs. Sherry Bonham on May 4, 2010. The amended work plan was submitted to MNOCD on May 13, 2010. The amended work plan was initially approved by NMOCD/Sherry Bonham. The approved amended work plan contained the following stipulations:

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- Due to safety factors and not shutting down the only access road leading to the Anode bed, the impacted area located on the maintenance road leading to the Anode bed will not be corrected.
- Due to a safety factor and the cost of possible injury to the existing Anode bed, no corrective actions were to be taken in the Anode bed area.

The initial release area located downgradient of the flow line was excavated to average depth of seven (7) feet bgs. The final excavated area was measured to be seventy (70) yds long x sixty (60) yds wide. Hard rock was encountered in the bottom of the excavated area at seven (7') foot bgs. After proper notification was provided to NMOCD soil samples were taken for laboratory analysis from the bottom of the excavated area, a test hole was dug in the bottom of the excavation to a depth of thirteen and a half (13.5') feet bgs. A composite soil sample was collected from the bottom of the excavated area, and a grab soil sample was collected from the bottom of the test trench. These samples were collected in laboratory provided containers, preserved on ice in a cooler, and relinquished to Cardinal Laboratories in Hobbs N.M. for the analysis of TPH GRO/DRO by SW-846 Method 8015B, BTEX by SW-846 8021, and total chlorides.

Analytical results received from Cardinal Lab dated 5/11/2010 reported the TPH GRO & DRO concentrations in the bottom of the excavated area at seven (7) feet bgs as <10.0 mg/kg and 10.2 mg/kg, respectively. BTEX was reported as <50 mg/kg. Chlorides were reported as 720 mg/kg in the bottom of the excavated area at seven feet (7') bgs. Analytical results for the grab soil sample taken from the test trench reported the Chloride concentration as 160 mg/kg.

A 20 mil. liner was approved by the amended work plan to be placed into the bottom of this excavated area. This liner was installed prior to backfilling the area to grade.

The impacted zone located in the drainage area east of the location was excavated to an average depth of six (6) feet bgs. The final excavated zone in the drainage area was measured to be eighty (80) yds long x twelve (12) yds wide.

All excavated soil was transported to Lea Landfill, an NMOCD approved Solid Waste Disposal facility.

On June 14, 2010, after proper notification was provided to NMOCD/Sherry Bonham, soil samples were taken for final laboratory analysis. Samples were obtained from the excavated zones located next to the lease road and in the drainage area located east of the initial release zone. These samples were collected in a laboratory provided containers, preserved on ice in a cooler, and relinquished to Cardinal Laboratories in Hobbs N.M. for analysis of TPH

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GRO/DRO by SW-846 Method 8015B, BTEX by SW-846 8021, and Total Chlorides.

Analytical results received from Cardinal Lab dated 5/18/2010 reported TPH-GRO concentrations of <10 mg/kg and TPH-DRO concentrations of <10 mg/kg in all soil samples. BTEX concentrations were reported as <50 mg/kg for all samples.

Chlorides were documented to be in the low range for all soil samples with the exception of the eastside wall soil sample taken from the initial impacted area. Chlorides for the eastside wall sample were reported as 7,120 mg/kg. An additional grab soil sample was taken on 5/24/2010 due east of the eastside side wall; this sample was taken from the surface of the maintenance road leading to the anode bed. This sample was collected in a laboratory provided container, preserved in ice in a cooler, and relinquished to Cardinal Laboratories in Hobbs N.M. for analysis of total chlorides.

Analytical results received from Cardinal Lab dated 5/25/2010 reported the chlorides as 176 mg/kg. A 20 mil. liner was placed into the bottom of the excavated area located next to the lease road. This area was excavated to a depth of seven (7) feet bgs. The excavated area was then backfilled to match the surrounding terrain.

The excavated area located in the drainage area was backfilled with rip rap and clean soil to match the original gradient.

Lime Rock Resources Operating Company has completed cleanup actions as required and request closure for the release that occurred at the Resler State P.W. Transfer pump on April 26, 2010.

Should you have any questions regarding the remediation activities at the site, or the contents of this report, please do not hesitate to contact me.

Sincerely,

Jerry Smith
Lime Rock Resources Operating Company, Inc.
Operations Foreman

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

May 26, 2010

Mike Stubblefield
Talon LPE
408 Texas St.
Artesia, NM 88210

Re: Resler

Enclosed are the results of analyses for sample number H19962, received by the laboratory on 05/24/10 at 4:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TALON/LPE
ATTN: MIKE STUBBLEFIELD
408 WEST TEXAS AVE.
ARTESIA, NM 88210
FAX TO: (575) 746-8905

Receiving Date: 05/24/10
Reporting Date: 05/25/10
Project Number: NOT GIVEN
Project Name: RESLER
Project Location: EDDY CO., NM

Analysis Date: 05/25/10
Sampling Date: 05/24/10
Sample Type: SOIL
Sample Condition: INTACT @ 30°C
Sample Received By: JH
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/kg)
H19962-1	SW-H (4')	176
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1
METHOD: Standard Methods		4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

05/26/10
Date

H19962 Talon LPE

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: TALON/LPE		BILL TO	
Project Manager: MIKE STUBBLEFIELD		P.O. #:	
Address: 408 TEXAS ST		Company: TALON/LPE	
City: ARTESIA	State: NM Zip: 88210	Attn:	
Phone #: (432) 230-7573	Fax #: 575-746-8905	Address: 921 N. BIVINS	
Project #:	Project Owner:	City: AMARILLO	
Project Name: RESLER		State: TX	Zip: 79107
Project Location: EDDY CO., NM		Phone #: 806-467-0607	
Sampler Name: SIMON HUGGENS		Fax #: 806-467-0622	

ANALYSIS REQUEST: TOTAL CHLORIDES

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TOTAL CHLORIDES
H19962-1	SW-4 (4")	G	1			✓					✓		5/24/10	0950	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [signature]	Date: 5/24/10 Time:	Received By:	Phone Result: ☒ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 5/24/10 Time: 4:50	Received By: Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	30°C	Sample Condition: Cool ☐ Yes ☒ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials) JH

REMARKS: EMAIL RESULTS TO KYLE : ksummers@talonlpe.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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