<u>District I</u> 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 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico State of New Mexico NMLB1415458561 Form C-141 Energy Minerals and Natural Resources

2RP-2324

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

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

| Release Notification and Corrective Action | | | | | | | | | | | | |
|---|--|--|--|---|--|---|---|--------------------------------------|---|--|---|-----------------------------------|
| | | | | | | OPERA' | | | ☐ Initia | al Report | | Final Report |
| Name of Co | The state of the s | | | | | Contact: N | | | | | | |
| | | | | on ,TX 77002 | | | No.: 575-623-8 | | | | | |
| Facility Nar | ne: West R | tedlake Unit I | njection S | tation #2 | | Facility Typ | e: Injection W | ater Sta | ntion | | | |
| Surface Ow | ner : BLM | | | Mineral C |)wner: | | | Lease N | No. NM 7721 / LC 070678-A | | | |
| | | | | LOCA | TIO | N OF RE | ļ | | | | | |
| Unit Letter C | Section 9 | Township 18S | Range 27E | Feet from the | Y | South Line | Feet from the | East/ | West Line | County E | ddy | |
| | | | Lati | tude 32.7692 | 53 N | Longitude_ | -104,286676 V | <u>W</u> | | | | |
| | | | | NAT | URE | OF REL | EASE | | | | | |
| Type of Relea | ase : Produc | ed Water | | | | Volume of | Release: 425 bl | bls | | Recovered: 3 | *************************************** | |
| Source of Release : Tanks overflowed | | | | | | Date and F 5/10/14 8:0 | Iour of Occurrent 00 am | ce: | Date and | Hour of Dis | covery: | 5/10/14 |
| Was Immedia | ate Notice G | | | | | If YES, To | Whom? | | | | *************************************** | |
| | | | Yes _ | No Not Re | equired | | Amos, OCD/Ra | | | | | |
| By Whom? J | | | | | - | | lour: 5/10/14 @ blume Impacting | | | | | |
| Was a Watero | course Reac | | Yes 🛚 | No | | II TES, VC | nume impacting | ine wai | ercourse. | | | |
| If a Watercou | a Watercourse was Impacted, Describe Fully.* | | | | | | | | | | | |
| | verflowed. | The line was | isolated a | n Taken.* nd a vac truck wa an initial site asse | | | | fluids w | ere contain | ed with eart | nen berr | ms of the |
| Field titration including a si from NMOCI | s for chlorio te plan illus O on July 28 | des were utilize trating excava 3, 2014. The e | zed to guio ation depth excavation | en.* Site assessn de the excavation as, confirmation s was backfilled w ons be required a | Upon ample le with new | completion of ocations and larged lar | f excavation active aboratory report. Aliche, machine c | vities, a s Permis | status repor ssion to bac | t was submi kfill was rec | tted to Neived v | VMOCD ia email |
| I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain relea public health or the environment. The acceptance of a C-141 report b should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations. | | | | | | otifications a e NMOCD m e contaminati | nd perform correct arked as "Final R on that pose a the | ctive act Report" of reat to g | ions for relations for relations for relations from the formal water from the formal water for relations from the formal water from | eases which ieve the ope r, surface wa | may en rator of iter, hur | danger liability nan health |
| | 11/18/6 | | | | | | OIL CON | SERV | | DIVISIO PEC. A | <u>N</u> | |
| Signature: / / / B Printed Name: Michael Barrett | | | | | | Approved by District Supervisor: Bradford Billings | | | | | | ings |
| Title: Produc | | | | | Approval Date: 05/26/2020 Expiration Date: | | | | | 0 | | |
| E-mail Addre | | | esources.co | om | | Approval Date: U3/20/2020 Expiration Date: Conditions of Approval: Attached | | | | | | |

Date: 7/31/2014

Phone: 575-623-8424

^{*} Attach Additional Sheets If Necessary

Michael Barrett

From:

Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]

Sent:

Monday, July 28, 2014 10:44 AM

To:

David Adkins

Cc:

Michael Barrett; Kimberly M. Wilson

Subject:

RE: Lime Rock West Red Lake 2, closure request

2 RP- 2324

Mr. Adkins,

Based on the analytical data, this site looks good to proceed with backfill operations.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: David Adkins [mailto:dadkins@talonlpe.com]

Sent: Friday, July 25, 2014 1:38 PM

To: Bratcher, Mike, EMNRD

Cc: Michael Barrett; Kimberly M. Wilson

Subject: Lime Rock West Red Lake 2, closure request

Mr. Bratcher,

Attached please find our confirmation sampling analysis for the above referenced project. I attached the site plan and lab data from the work plan for your review. The third attachment illustrates our excavation depths in the work area.

As shown on the lab report, total chlorides at S-1 at 2.5 feet deep were 480 mg/kg, and at S-4 the results at 2.5-feet were 400 mg/kg. Additionally, our field titration results for chlorides were as follows:

S-1 2.5' 283 mg/kg

S-1 3.0' 283

S-1 3.5' 212

S-4 2.5' 354 mg/kg

S-4 3.0' 212

Therefore, on behalf of Lime Rock Resources, we respectfully request permission to backfill the location and close out the project. Thank you.

Sincerely,

David J. Adkins
District Manager
Talon/LPE
408 West Texas Avenue



June 11, 2014

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622 Mr. Mike Bratcher **NMOCD District 2** 811 S. 1st Street Artesia, NM 88210

ARTESIA 408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.748.8905 Subject: Soil Assessment and Remediation Work Plan

Lime Rock Resources

West Redlake Unit Injection Station #2

2RP-2324

HOBBS

318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658 Dear Mr. Bratcher:

Lime Rock Resources has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

MIDLAND 2901 State Highway 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

Incident Date

May 10, 2014

OKLAHOMA CITY 7700 North Hudson Ave Suite 10 Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806.467.0622

Background Information

SAN ANTONIO 13111 Lookout Way San Antonio, TX 78233 Phone 210.265.8025 Fax 210.568.2191 The West Redlake Unit Injection Station #2 is located approximately sixteen (16) miles southeast of Artesia in Eddy County, New Mexico. The legal location for this site is Section 9, Township 18 South, and Range 27 East. More specifically the latitude and longitude for the release point are 32.769253 North and -104.286676 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of weathered Gypsum. The local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Guadeloupian Artesia Group, Tansil and Yates formations which include silty soils under lain by gypsum and hard caliches. Drainage courses in this area are normally dry. According to the New Mexico State Engineer web site indicates the nearest ground water data to be in S10-T18S-R27E. The ground water in Section 10 is reported to be a depth of 50' below ground surface (bgs). See Appendix II for the referenced groundwater data.

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

The ranking for this site is 20 based on the following:

Depth to ground water 50'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

On May 10, 2014 the water tanks overflowed causing 425 barrels of produced water to be released within the earthen berms of the secondary containment of the facility. The facility was shut-in and a vac truck was immediately called to the location. It recovered 390 barrels of produced water. On May 13, 2014 Talon mobilized personnel to the location for initial site assessment and soil sampling activities to generate a work plan. The results of these sampling activities are summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

May 21, 2014

| Sample ID | Depth (feet) | BTEX (mg/kg) | Chlorides (mg/kg) | TPH (mg/kg) GRO | TPH (mg/kg) DRO |
|-----------|-----------------|-----------------|----------------------|--------------------|-----------------------|
| S-1 | 0' | | 44800 | - | |
| | 1' | Me trus | 5360 | pel tra | |
| S-2 | 1' | < 0.300 | 1070 | <10 | <10 |
| | 2' | | 480 | | *** |
| | 3' | | 992 | | |
| S-3 | 0' | | 33200 | | |
| | 1' | | 464 | | |
| | 2' | ms me | 512 | see her | |
| | 3, | | 192 | | |
| | 4' | | 304 | wa sar | \$100 PM |
| S-4 | 0' | | 34400 | | |
| | 1' | | 8800 | | *** |

⁻⁻ Analyte Not Tested

Based upon the site ranking of **20**, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 100 mg/kg for TPH. The chloride remediation standard is considered to be 1,000 mg/kg.

Proposed Remedial Actions

- The impacted area between sample locations S-1 and S-4 will be excavated to a depth of 2-feet deep. The bottom and sidewalls of the excavation will be tested for chlorides using the field titration method to guide the excavation process.
- The impacted area near sample location S-2 will be excavated to a depth of 2-feet deep and in the vicinity of sample location S-3, the excavation will be excavated to a depth of 0.5-feet deep.
- All excavated soil will be transported to a NMOCD approved solid waste disposal facility
- The excavated areas will be backfilled to grade using new material transported from a local borrow pit and contoured to match existing location.
- A final report documenting all field activities and lab reports will be provided to the BLM Carlsbad Office and NMOCD District II Office.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

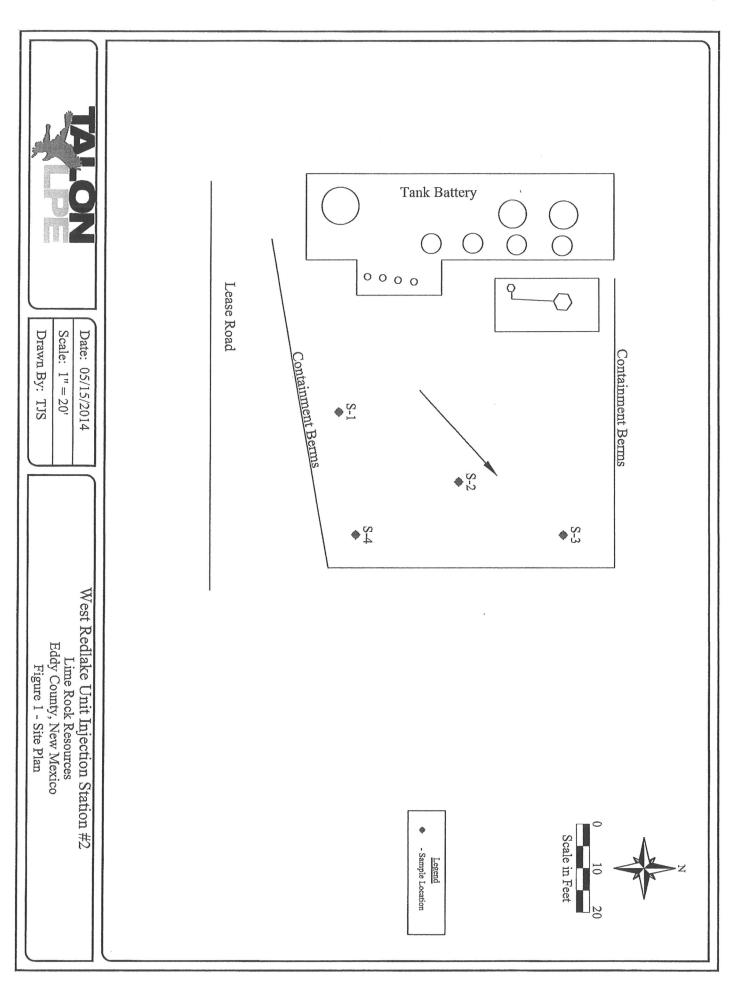
Kimberly M Wilson

Project Manager

David J. Adkins

District Manager

APPENDIX I SITE MAP



APPENDIX II GROUNDWATER DATA INITIAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| water right mon | olosca) (| (qualitoro aro ornamost to largost) (11 | | | | | or to large | (1.47 | (14 12 co o 1 m m motoro) | | | (1111001) | | |
|-----------------|-------------------|---|----|---|-----|-----|-------------|--------|---------------------------|----------|-------|-----------|--------|--|
| | POD | | | | | | | | | | | | | |
| | Sub- | Q | Q | Q | | | | | | | Depth | Depth | Water | |
| POD Number | Code basin County | 64 | 16 | 4 | Sec | Tws | Rng | X | Υ | Distance | Well | Water | Column | |
| RA 03714 | CH | 4 | 4 | 2 | 80 | 18S | 27E | 566212 | 3625253* | 724 | 381 | | | |
| RA 03917 | LE | 4 | 1 | 2 | 10 | 18S | 27E | 569019 | 3625660* | 2413 | 130 | 50 | 80 | |
| RA 03661 | ED | 3 | 2 | 3 | 32 | 178 | 27E | 565186 | 3628038* | 2607 | 330 | 140 | 190 | |
| RA 03664 | СН | 3 | 2 | 3 | 32 | 178 | 27E | 565186 | 3628038* | 2607 | 400 | 100 | 300 | |

Average Depth to Water:

96 feet

Minimum Depth:

50 feet

Maximum Depth:

140 feet

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 566613

Northing (Y): 3625856

Radius: 3000

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 | | | | | | | | | | | | |
|-------------------------------|---|-----------------|--|---------------------|------------|--|---|-----------|-----------------|---------------|----------|--------------|--|
| | | | | | | OPERA | | | ⊠ Initia | al Report | | Final Report | |
| Name of Co | | | | | | Contact: N | | | | | | | |
| | | | | ton,TX 77002 | | | No.: 575-623-8 | | | | | | |
| Facility Nan | ne: West R | edlake Unit I | njection S | tation #2 | | Facility Type: Injection Water Station | | | | | | | |
| Surface Own | ner : BLM | | | Mineral C |)wner: | r: Lease No. NM 7721 / LC 0706 | | | | | | | |
| | | | | LOCA | TIOI | OF RE | LEASE | | | | | | |
| Unit Letter C | Section 9 | Township 18S | Range 27B | Feet from the | North/ | South Line | Feet from the | East/\ | West Line | County E | ddy | | |
| | | | Lati | tude 32,7692 | 53 N I | Longitude_ | -104.286676 V | <u>v</u> | | | | | |
| | NATURE OF RELEASE | | | | | | | | | | | | |
| Type of Relea | se : Produc | ed Water | *************************************** | | | Volume of | Release: 425 bt | ols | | Recovered: 3 | | | |
| Source of Rel | Source of Release : Tanks overflowed | | | | | | Iour of Occurrence O am | æ; | Date and | Hour of Dis | covery | : 5/10/14 | |
| Was Immedia | te Notice G | | | | | If YES, To | Whom? | | | | | | |
| | | | Yes [| No Not Re | equired | | Amos, OCD/Rai | | | | | | |
| By Whom? Jo | erry Smith | w/LRR | | | | Date and I | Iour : 5/10/14 @ | 12:39 p | m | | | | |
| Was a Watero | ourse Reaci | | Yes 🛭 | No | | If YES, Vo | olume Impacting t | the Wat | ercourse. | | | | |
| If a Watercour | If a Watercourse was Impacted, Describe Fully.* | | | | | | | | | | | | |
| Danariha Cauc | o of Deals | m and Dame. | Hal Astin | . Talean # | | | | | | | | | |
| | verflowed. | The line was | | | ıs imme | diately called | to location. Tale | on/LPE | was contrac | eted to perfo | rm an i | nitial site | |
| assessment an | d soil samp | ling. | | | | | | | | | | | |
| Describe Area | Affected a | nd Cleanup A | action Tak | cen,* All fluids w | ere conta | ained with ea | rthen berms. | | | | | | |
| | | | | | | | | | | | | 1 | |
| I hereby certif | y that the in | formation gi | ven above | is true and comp | lete to th | ne best of my | knowledge and u | indersta | nd that pur | suant to NM | OCD n | ules and | |
| regulations all | operators a | re required to | report ar | d/or file certain r | elease n | otifications a | nd perform correct | ctive act | ions for rel | eases which | may er | ndanger | |
| public health o | or the enviro | onment. The | acceptance | e of a C-141 repo | ort by the | NMOCD m | arked as "Final R on that pose a thr | cport" (| ioes not rel | leve the ope | rator of | liability | |
| or the environ | ment. In ad | dition. NMO | CD accen | tance of a C-141 | renort de | c comamman ces not reliev | e the operator of | respons | ibility for c | ompliance v | vith any | other | |
| federal, state, | or local law | s and/or regu | lations. | | aport a | 000 1100 1001 | | | | | | | |
| | | 11- | - | | | | OIL CON | SERV | ATION | DIVISIO | NC | | |
| Signature: | M | les, (| 2 | | 1 | | | | | | | | |
| | | 1-4-) | | | | Approved by | District Supervis | or: | | | | | |
| Printed Name: Michael Barrett | | | | | | | | | | | | | |
| Title: Produc | tion Superv | isor | | | | Approval Da | te: | | Expiration | Date: | | | |
| E-mail Addres | s: mbarrett | (a)limerockre | sources.c | om | | Conditions of | Approval: | | | Attached | | | |
| | | | V-141710-1-1-1517-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | | Attached | | | | | | | | |
| Date: 5/10/2 | | | ne: 575-62 | 3-8424 | | | | | | _L | | | |

^{*} Attach Additional Sheets If Necessary

APPENDIX III LABORATORY RESULTS



May 21, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WEST RED LAKE UNIT #2

Enclosed are the results of analyses for samples received by the laboratory on 05/14/14 10:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

Cardinal Laboratories is accreditated through 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 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received:

05/14/2014

Reported:

05/21/2014

Project Name:

WEST RED LAKE UNIT #2

16.0

Reporting Limit

16.0

Reporting Limit

0.050

0.050

0.050

Project Number: Project Location: 701307.061.01

EDDY COUNTY, NM

Sampling Date:

BS

BS

400

05/13/2014

Sampling Type: Sampling Condition: Soil Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 0' (H401459-01)

| Chloride, | SM4500CI-B |
|-----------|------------|
|-----------|------------|

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte Reporting Limit Result 44800

Analyzed 05/19/2014 Method Blank ND

% Recovery 104

True Value QC

RPD

RPD

0.00

RPD

3.33

0.464

1,90

1.93

RPD

0.00

Qualifier

Analyte

Analyte

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

ND

ND

ND

416

400

3.92

Sample ID: S-1 1' (H401459-02)

mg/kg

Result

5360

Result

< 0.050

< 0.050

<0.050

Analyzed

05/19/2014

Method Blank

% Recovery

100

101

% Recovery

100

True Value OC

400

6.00

Qualifier

Qualifier

Sample ID: S-2 1' (H401459-03)

BTEX 8260B

Benzene*

Toluene*

Ethylbenzene*

Ana

Analyzed By: ms

| Analyzed | Method Blank | BS | % Recovery | True Value QC | |
|------------|--------------|------|------------|---------------|--|
| 05/17/2014 | ND | 2.19 | 110 | 2.00 | |
| 05/17/2014 | ND | 2.08 | 104 | 2.00 | |
| 05/17/2014 | ND | 1.95 | 97.6 | 2.00 | |

6.07

Total Xylenes* < 0.150 0.150 05/17/2014 Total BTEX < 0.300 0.300 05/17/2014

Surrogate: Dibromofluoromethane

96.8 %

61.3-142

Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene 99.2 %

71.3-129 65.7-141

100 %

16.0

Analyzed By: AP

Chloride, SM4500Cl-B Analyte

Chloride

mg/kg Reporting Limit Result

1070

Analyzed

05/19/2014

Method Blank

ND

BS 400 True Value QC 400

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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 am any other cause whetherever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, list substicates, affiliates or successors arising out of or related to the claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report on the preproduced except in full with written approval of Cardinal Lab In no event shall Cardinal be liable for Incidental or co ors arising out of or related to the perform

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8



Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

05/14/2014

Reported:

05/21/2014

Project Name:

WEST RED LAKE UNIT #2

Project Number: Project Location: 701307.061.01

EDDY COUNTY, NM

Sampling Date:

g Date:

Soil

Sampling Type: Sampling Condition:

:

Sample Received By:

Cool & Intact Jodi Henson

05/13/2014

Sample ID: S-2 1' (H401459-03)

| TPH 8015M | mg | mg/kg | | Analyzed By; MS | | | | | |
|---------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/18/2014 | ND | 198 | 99.0 | 200 | 9.70 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/18/2014 | ND | 227 | 114 | 200 | 10.0 | |
| Surrogate: 1-Chlorooctane | 1069 | % 65 2-14 | 0 | | | | | | |

Surrogate: 1-Chlorooctane

106 %

65.2-140

Surrogate: 1-Chlorooctadecane

106 %

63.6-154

Sample ID: S-2 2' (H401459-04)

| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 05/19/2014 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-2 3' (H401459-05)

| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 992 | 16.0 | 05/19/2014 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-3 0' (H401459-06)

| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 33200 | 16.0 | 05/19/2014 | ND | 400 | 100 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential demages, including, without limitation, business interruptions, loss of use, or loss of profits locured by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples Identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

05/14/2014

Reported:

05/21/2014

Project Name:

WEST RED LAKE UNIT #2

Project Number: Project Location:

Analyte

Analyte

Analyte

701307.061.01

EDDY COUNTY, NM

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

05/13/2014

Jodi Henson

Sample ID: S-3 1' (H401459-07)

| Chloride, | SM4500CI-B |
|-----------|------------|
| | |

mg/kg

Analyzed By: AP

Result Reporting Limit 464 16.0

Analyzed 05/19/2014 Method Blank ND

ND

ND

BS 400

BS

400

BS

400

% Recovery 100 400

True Value QC

Qualifier

RPD

0.00

RPD

0.00

Sample ID: S-3 2' (H401459-08)

Chloride, SM4500Cl-B

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: AP

Analyzed

05/19/2014

Method Blank

% Recovery 100

True Value QC

400

Qualifier

Chloride

Chloride

Chloride, SM4500Cl-B

mg/kg

Result

512

Result

192

Result

304

Result

34400

Analyzed By: AP

Analyzed 05/19/2014 Method Blank

% Recovery

100

True Value QC

400

RPD

Qualifier

Chloride

Sample ID: S-3 3' (H401459-09)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

0.00

Sample ID: S-3 4' (H401459-10)

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Chloride

Chloride

05/19/2014

Analyzed

05/19/2014

Analyzed

400

100

% Recovery

100

400

True Value QC

400

0.00

Sample ID: S-4 0' (H401459-11)

Analyte

Analyte

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Method Blank

ND

ND

BS

400

RPD

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received: Reported: 05/14/2014

05/21/2014

Project Name: Project Number: Project Location: WEST RED LAKE UNIT #2 701307.061.01

EDDY COUNTY, NM

Sampling Date:

05/13/2014 Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-4 1' (H401459-12)

| Chloride, SM4500CI-B | mg | /kg | Analyze | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8800 | 16.0 | 05/19/2014 | ND | 400 | 100 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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ND



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

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler - UPS - Bus - Other: PLEASE NOTE: Liability and Darrages.
analyses. All claims including those for an avent shall Cardinal be list service. In no event shall Cardinal be list. Delivered By: HYDH59 Project Location: Project Name: Project #: 161307,061 Phone #: 575-746-8768 City: Artesia Company Name: Talon/LPE Sampler Name: Project Manager: Address: 408 W. + Carrinal rannot arrent verhal rhannee Dleace fav written rhannee to IETEI 2025/208 Lab I.D. FOR LAB USE ONLY CT 3 (Circle One) 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 20 2 1 W W W Texas Ave. Sample I.D. 2004 10:45 Project Owner: Fax #: 575-746-8905 State: NM Zip: 88210 Received By: (G)RAB OR (C)OMP. # CONTAINERS I vinither beneat in contract or tort, shall be limited to the amount paid by the client for the l'unless made in writing and neaked by Cardinal within 30 days after completion of the app no, business interruptions, loss of use, or loss of profits insurred by clent, its subsidiaries, GROUNDWATER S & ... WASTEWATER MATRIX SOIL OIL SLUDGE 250 OTHER: Phone #: State: Fax #: City: Attn: P.O. # Address: Company: ACID/BASE: PRESERV. CHECKED BY ICE / COOL (Initials) OTHER: 1:1/4 = 160 Talon/LPE Zip: DATE SAMPLING 十つこ Phone Result: Fax Result: REMARKS: 30 130 12:55 126 02 TIME □ Yes □ No Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST 40 of

Page 8 of 8

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

| 0,200 | ANALYSIS REQUEST 9 0 0+ A | | | | | | | 25 | p'3Q | 72 | | | | | | | |
|--|---------------------------|---------------------------|--------------------|---------------------------|--|---|---------------|-------------------|--------------|---------------------------------|-------------|--------------|------------|--|--|---|---|
| | 15/14/6-18/91 | ₩0.7 | Company: Talon/LPE | Attn: | Address: | State: Zip: | Phone #: | Fax #: | | | O O DATE | 5-13-19-1-47 | C'1 L.C. 2 | | | | |
| (575) 393-2326 FAX (575) 393-2476 Company Name: Talon/LPE | r. (), 4-04'.cs | Address: 408 W. Texas Ave | State: NIM | .746-8768 Fax #: 575-746- | Project #: \$6/30 2.06/.0/ Project Owner: / 0. 1 | Project Name: West Red Cobs Cut # 2 (LIRCA) | בפרסמי | 5 (5. K) OF 20. | ABTAW | : CONTA PROUNI OIL OIL | 0 8 A | S-4 7- | | | | , | PLEASE NOTE: Libbility and Damagos, Cardina's lability and deatic exclusive remody for any claim selection seems. |
| Company Name | Project Manager: | Address: 408 | City: Artesia | Phone #: 575-746-8768 | Project#: ≯⊘/ | Project Name: (| Sample Manage | FOR LAB LISE ONLY | Lab I.D. | H40/159 | = | 12 | | | | | PLEASE NOTE: Lability and Di |

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