

Michael Barrett

From: Kimberly M. Wilson [kwilson@talonlpe.com]
Sent: Thursday, December 21, 2017 8:59 AM
To: Mike EMNRD Bratcher; Shelly Tucker
Cc: Crystal Weaver; Michael Barrett; David Adkins
Subject: RE: Lime Rock Resources * West Red Lake Ut #25 * 2RP-4315 * DOR: 6/28/17
Attachments: West Red Lake #25 Closure Report.pdf

Re: Lime Rock Resources * West Red Lake Ut #25 * 2RP-4315 * DOR: 6/28/17

Good Morning Shelly & Mike,

I hope everyone is doing well.

Attached you will find the Remediation and Closure Report along with the Final C-141 for the above referenced release. On behalf of Lime Rock Resources, we request that no further action be required and that this RP be closed. Please feel free to contact me if you have any questions or concerns.

Respectfully submitted,

☐ ☐ Enjoy your Christmas break & have a very Happy New Year ☐ ☐

Kimberly

Kimberly M. Wilson

Project Manager

Office: 575.746.8768

Direct: 575.616.4023

Cell: 575.602.3826

Fax: 575.746.8905

Emergency: 866.742.0742

Web: www.talonlpe.com





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Remediation and Closure Report:

West Red Lake #25
API # 30-015-00819 * 2RP-4315
Talon Project No. 701307.100.01

Prepared For:

Lime Rock Resources II-A, L.P.
1111 Bagby Street Suite 4600
Houston, TX 77002

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

December 18, 2017

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Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
West Red Lake #25
API # 30-015-00819 * 2RP-4315

Dear Mr. Bratcher,

Lime Rock Resources II-A, L.P. has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Site Information

The Lime Rock West Red Lake Unit 25 is located approximately ten (10) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter A, Section 8, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.7692610695 North and -104.295245609 West. A site map 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 underlain by gypsum and hard caliches. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico State Engineer web site indicates that the nearest ground water is 140' below ground surface. See [Appendix II](#) for the referenced groundwater data.

Therefore the ranking for this site is a 0 based on the following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 1,000 mg/kg for TPH. The clean-up guidelines for total chlorides is 600 mg/kg.

Incident Description

On June 28, 2017, a nipple on the filter pot failed due to corrosion resulting in the loss of approximately 330 barrels of produced water. All fluids were contained within the berm surrounding the injection well. A vac truck was called to the location and recovered 300 barrels of fluid. A site map is presented in **Appendix I** which illustrates the impacted area.

Remedial Actions Taken

The remediation activities were completed pursuant to the work plan approved by NMOCD.

On November 13, 2017 the impacted area was excavated to a depth of 2-feet deep and a 20 millimeter liner was installed in the bottom of the excavation. All contaminated soil was transported to Lea Land, LLC an approved NMOC disposal facility.

The excavated area was backfilled with clean caliche obtained from Lea Land LLC, and machine compacted to match the surrounding location.

Closure

On behalf of Lime Rock Resources II-A, L.P. we respectfully request that no further actions be required and that closure with respect to this release be granted. A Final C-141 is also presented in **Appendix IV**.

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,

TALON/LPE



Jacob Laird
Environmental Scientist



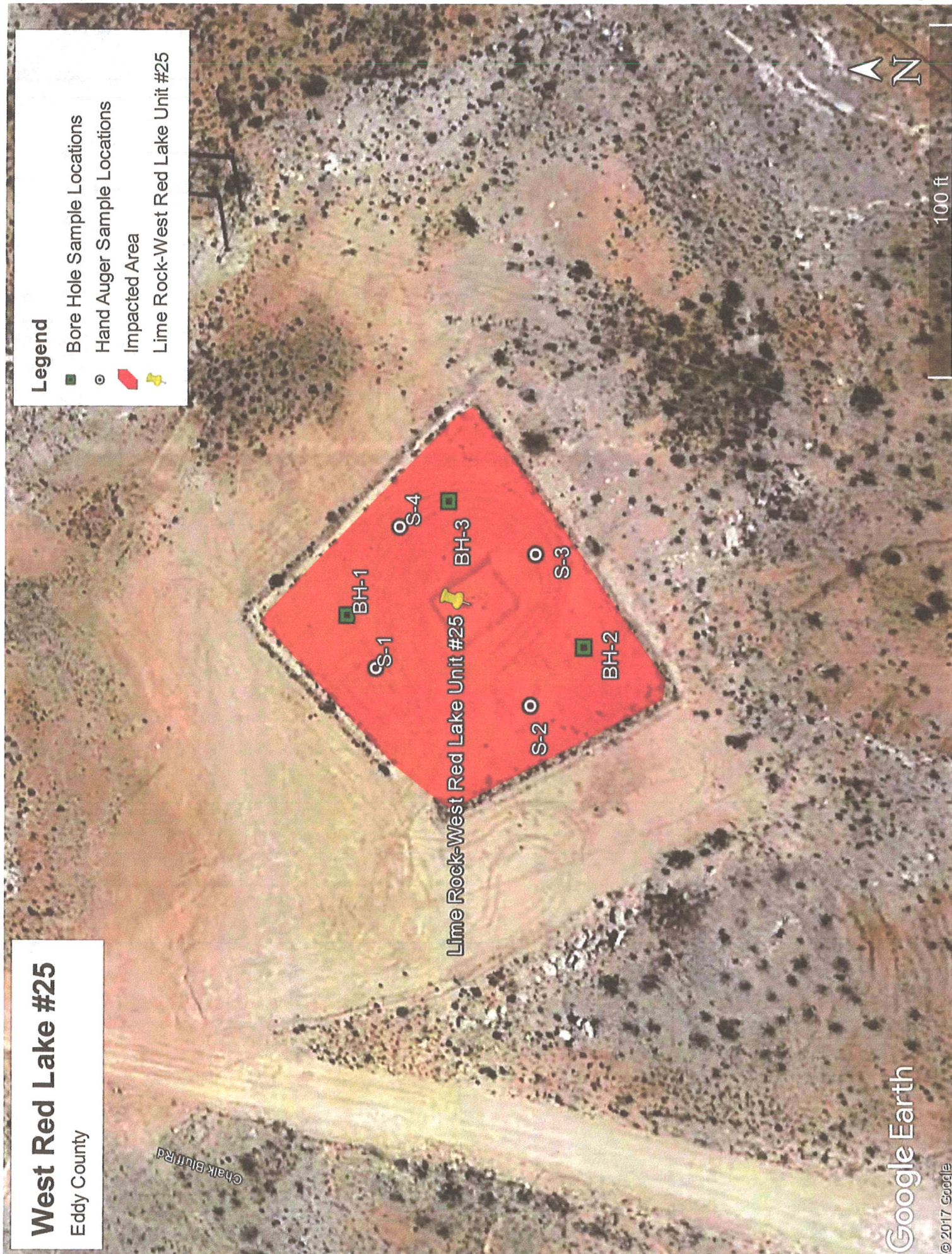
Kimberly M. Wilson
Project Manager

Attachments:

Appendix I Site Map
Appendix II Groundwater Data
Appendix III Site Photos
Appendix IV Final C-141

APPENDIX I

SITE MAP



APPENDIX II
GROUNDWATER DATA



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)

POD Number	POD Code	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 03714		CH	4	4	2	08	18S	27E		566212	3625253*	704	381		
RA 03661		ED	3	2	3	32	17S	27E		565186	3628038*	2264	330	140	190
RA 03664		CH	3	2	3	32	17S	27E		565186	3628038*	2264	400	100	300
Average Depth to Water:														120 feet	
Minimum Depth:														100 feet	
Maximum Depth:														140 feet	

Record Count:3

UTMNAD83 Radius Search (in meters):

Easting (X): 566006.85

Northing (Y): 3625927.41

Radius: 3000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/14/17 1:54 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

APPENDIX III

SITE PHOTOS





APPENDIX IV

FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Lime Rock Resources II-A, L.P.	Contact: Mike Barrett
Address: 1111 Bagby Street Suite 4600, Houston, TX, 77002	Telephone No. 575-365-9724
Facility Name: West Red Lake Unit #25	Facility Type: Injection Well

Surface Owner: BLM	Mineral Owner: Federal	API No. 30-015-00819
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	8	18S	27E	121	North	1003	East	Eddy

Latitude 32.7691574 Longitude -104.2951431 NAD83

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 330 bbls	Volume Recovered: 300 bbls
Source of Release: Failed Nipple	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher-NMOCD Shelly Tucker-BLM	
By Whom? Sheldon Hitchcock-Talon/LPE	Date and Hour: June 28, 2017 5:22 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		

Describe Cause of Problem and Remedial Action Taken.*


A nipple on the filter pot failed due to corrosion resulting in the loss of approximately 330 bbls of produced water. The nipple was replaced and the well was put back into service

Describe Area Affected and Cleanup Action Taken.*

All of the fluids remained within the berms of the location. A vac truck was utilized to recover 300 bbls of standing fluid. The impacted area was excavated to a depth of 2-feet deep and a 20 millimeter liner was installed in the bottom of the excavation. The excavated area was backfilled with clean caliche obtained from Lea Land LLC, and machine compacted to match the surrounding location. All work was completed pursuant to the approved NMOCD work plan. No further actions are required.

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.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist:	
Printed Name: Mike Barrett	Approval Date:	Expiration Date:
Title: Production Superintendent	Conditions of Approval:	
E-mail Address: mbarrett@limerockresources.com	Attached <input type="checkbox"/>	
Date: 12/19/17	Phone: 575-365-9724	

* Attach Additional Sheets If Necessary

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

NM OIL CONSERVATION
ARTESIA DISTRICT
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 April 3, 2017

JUL 28 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED**Release Notification and Corrective Action**NAB1721457413277558**OPERATOR**☒ Initial Report ☐ Final Report

Name of Company LIME ROCK RESOURCES II-A, L.P.	Contact Mike Barrett
Address 1111 Bagby Street Suite 4600, Houston, TX 77002	Telephone No. 575-365-9724
Facility Name WEST RED LAKE UNIT #25	Facility Type Injection Well

Surface Owner BLM	Mineral Owner Federal	API No. 30-015-00819
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LOCATION OF RELEASE

Unit Letter A	Section 8	Township 18S	Range 27E	Feet from the 121	North/South Line North	Feet from the 1003	East/West Line East	County Eddy
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Latitude 32.7691574 Longitude -104.2951431 NAD83

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 330bbls	Volume Recovered 300bbls
Source of Release Failed Nipple	Date and Hour of Occurrence June 28, 2017 @ 10:00am	Date and Hour of Discovery June 28, 2017 @ 10:30am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher-NMOCD Shelly Tucker-BLM	
By Whom? Sheldon Hitchcock-Talon/LPE	Date and Hour June 28, 2017 5:22pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* A nipple on the filter pot failed due to corrosion resulting in the loss of approximately 330bbls of produced water. The nipple was replaced and the well was put back into service.		
Describe Area Affected and Cleanup Action Taken.* All of the fluid remained within the berms of the location. Vacuum trucks were utilized to recover approximately 300bbls of standing fluid. A remediation work plan will be developed and submitted to NMOCD and BLM for review.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

Signature: <u>Mike Barrett</u>	OIL CONSERVATION DIVISION	
Printed Name: Mike Barrett	Approved by Environmental Specialist: <u>Cynthia D. White</u>	
Title: Production Superintendent	Approval Date: <u>8/2/17</u>	Expiration Date: <u>N/A</u>
E-mail Address: mbarrett@limerockresources.com	Conditions of Approval: <u>see attached</u>	Attached <input checked="" type="checkbox"/>
Date: 7/26/2017	Phone: 575-365-9724	

* Attach Additional Sheets If Necessary

2RP-4315

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Monday, November 13, 2017 1:40 PM
To: 'Kimberly M. Wilson'; Price, Henryetta; Tucker, Shelly; Weaver, Crystal, EMNRD
Cc: Michael Barrett; David Adkins
Subject: RE: West Red Lake #25 * 2RP-4315

RE: Lime Rock Resources * West Red Lake Ut 25 * 2RP-4315 * DOR: 6/28/17

Kimberly,

Your proposal for remediation of the above referenced release is approved. OCD would prefer all liner placement be at 4' bgs. In this instance, OCD would request that Lime Rock place a permanent type placard at the site entrance, indicating the existence of the liner at 2'.

Federal sites will require like approval from BLM. It is OCD's understanding that mobilization for remedial activity is scheduled for 11/15/17.

If you have any questions or concerns, please contact me.

Thank you,

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Kimberly M. Wilson [mailto:kwilson@talonlpe.com]
Sent: Tuesday, October 31, 2017 10:57 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Price, Henryetta <hprice@blm.gov>
Cc: Michael Barrett <mbarrett@limerockresources.com>; David Adkins <dadkins@talonlpe.com>
Subject: West Red Lake #25 * 2RP-4315

RE: Lime Rock * West Red Lake #25 * 30-015-00819

Mike and Henryetta,

Attached please find the work plan for the above referenced location. We would like to begin this remediation as soon as possible.

Thank you.

Bratcher, Mike, EMNRD

From: Tucker, Shelly <stucker@blm.gov>
Sent: Monday, November 13, 2017 2:13 PM
To: Bratcher, Mike, EMNRD
Cc: Kimberly M. Wilson; Weaver, Crystal, EMNRD; Michael Barrett; David Adkins
Subject: Re: West Red Lake #25 * 2RP-4315

BLM will concur with NMOCD approval under the understanding the entire location will have a liner placed at 2' bgs to prohibit chloride migration. This site is in gypsum soils with high karst features that need to be protected.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Mon, Nov 13, 2017 at 1:39 PM, Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> wrote:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 8302

CONDITIONS

Operator: LIME ROCK RESOURCES II-A, L.P. 1111 Bagby Street Houston, TX 77002	OGRID: 277558
	Action Number: 8302
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	6/23/2022