

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Length(Ft)	Width(Ft)	Depth(In)
<u>100.000</u>	<u>25.000</u>	<u>3.750</u>
Cubic Feet Impacted		<u>781.250</u>
Barrels		<u>139.14</u>
Soil Type		Clay
Bbls Assuming 100% Saturation		<u>13.91</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		14.00000

Instructions
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	100
Width (ft)	25
Depth (in)	3.750









September 22, 2025

NMSLO
Tami Knight
Carlsbad, NM 88220

NMOCD District 2
Mr. Mike Bratcher
Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Request
Red Lake 32 St #2H Battery
API No. 30-015-44948
GPS: Latitude 32.784483 Longitude -104.295631
U/L "P," Sec. 32, T17S, R27E
Eddy County, NM
NMOCD Ref. No. NAPP2104849757

Paragon Environmental LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to conduct a spill assessment and remediation activities at the Red Lake 32 St. #2H Battery (Red Lake) release site. Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil	Volume of Release:	14 bbls
		Volume Recovered:	5 bbls
Source of Release:	Pipeline	Date of Release:	02/16/2021
Was Immediate Notice Given?	No	If, Yes, to Whom?	NMOCD Portal
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	State
3" pipe, collar froze and separated causing the release.			

Topographical and Wetlands Maps are provided in Figures #2 and #4.

REGULATORY FRAMEWORK & SITE CHARACTERIZATION

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

- Depth to Groundwater in the affected area 26-50'
- Method to determine DTW NM OSE
- Did the release impact groundwater or surface water NO

Depth to groundwater information is provided in Appendix A.

What are the minimum distances between the closest lateral extents of the release and the following surface areas:

- A continuously flowing watercourse or any other significant watercourse- 1-5 miles
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- 1-5 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes- 1-5 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal fresh water well field- 1-5 mi
- A wetland- 1-5 mi
- A subsurface mine- >5 mi
- An (non-karst) unstable area- ½-1 mi
- Categorize the risk of this well/site being in a karst area geology- High
- A 100-year floodplain- 1-5 mi
- Did the release impact areas not on an exploration, development, production, or storage site- NO

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Artesia Group (Guadalupean)—Shelf facies forming a broad south-southeast trending outcrop from Glorieta to the Artesia area; includes Tansill, Yates, Seven Rivers, Queen, and Grayburg Formations (Guadalupean). May locally include Moenkopi Formation (Triassic) at top (PAT). The soil in this area is composed of the Reeves-Gypsum Land Complex, characterized by slopes ranging from 0 to 3 percent, according to the United States Department of Agriculture's Natural Resources Conservation Service. The drainage course in this area is well-drained.

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure #3.

INITIAL SITE ASSESSMENT

On April 7, 2025, Paragon visited the Red Lake and conducted an initial site assessment, obtaining soil samples. During the initial site assessment, six (6) soil samples were collected in the spill zone. A table summarizing the titration results from the soil samples collected during the above-stated activities is provided below:

4-7-25 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 4-7-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
ESW -1 2'	ND	ND	ND	485	96.4	581.4	160
NSW -1 2'	ND	ND	ND	1670	333	2003	304
S-1 2'	ND	ND	ND	1030	216	1246	288
S-2 2'	ND	ND	ND	756	165	921	176
SSW -1 2'	ND	ND	ND	580	136	716	160
WSW -1 2'	ND	ND	ND	507	114	621	240

(ND) Analyte Not Detected

Laboratory data are attached in Appendix D

A Site Map is provided in Figure #1.

REMEDATION ACTIVITIES

On April 14, 2025, Paragon mobilized personnel and equipment to begin the remediation at the Red Lake. The remediation consisted of the following:

The areas of S-1 and S-2 were excavated to a depth of 2.5 feet BGS. The area measured approximately 560 s/f. We excavated approximately 52 c/y of material.

Notification was submitted to the NMOCD on April 22, 2025, before obtaining confirmation samples. The bottom samples were representative of no more than 200 sq/ft, and the sidewall samples were obtained every 50 feet. The results of these sampling events are in the following data tables:

4-22-25 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 4-22-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
ESW 1 2 1/2'	ND	ND	ND	184	79.4	263.4	144
NSW 1 2 1/2'	ND	ND	ND	353	146	499	112
SSW 1 2 1/2'	ND	ND	ND	124	51.9	175.9	112
WSW 1 2 1/2'	ND	ND	ND	192	84.1	276.1	112
S-1 2 1/2'	ND	ND	ND	10	ND	10	80
S-2 2 1/2'	ND	ND	ND	15.4	ND	15.4	64
S-3 2 1/2'	ND	ND	ND	12.6	ND	12.6	48

(ND) Analyte Not Detected

Based on these results, additional excavation was conducted. An additional half-foot was excavated horizontally along the sidewalls. This extended our excavations footprint from 560 s/f to 600 s/f. It also added an additional 4 yards for a total of 56 c/y. An additional notification was submitted to the NMOCD to obtain further samples. These results are in the following data table.

5-15-25 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 5/15/25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
ESW - 1 2 1/2'	ND	ND	ND	15.3	ND	15.3	240
NSW - 1 2 1/2'	ND	ND	ND	ND	ND	ND	272
SSW - 1 2 1/2'	ND	ND	ND	ND	ND	ND	272
WSW - 1 2 1/2'	ND	ND	ND	ND	ND	ND	256

(ND) Analyte Not Detected

These laboratory analytical results showed that the confirmation soil samples were below the NMOCD Closure Criteria. The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. Like material was obtained from a localized pit and used to backfill the excavation. The affected area was then contoured and machine-compacted to match the surrounding grade.

During the writing of this closure report it was noticed that there was no backfill sample obtained. Another notification was submitted to the NMOCD on 8-6-25 to obtain a backfill sample. The result of that sample is in the following data table.

8-11-25 Laboratory Result

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 8/11/25		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	EXT	Total TPH	CHLORIDES
Backfill	Comp	ND	ND	ND	ND	ND	ND	32

CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2104849757, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)318-6841 or email at tristan@paragonenvironmental.net.

Respectfully,



Tristan Jones
Project Manager
Paragon Environmental, LLC




Chris Jones
Environmental Professional
Paragon Environmental, LLC

**Attachments****Figures:**

- 1- Site Map
- 2- Topographic Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Maps

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – NMOCD Notification & Photographic Documentation
- Appendix D – Laboratory Reports



Figures:

- 1-Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Map

Spur Energy Partners

Red Lake 32 St #2 Battery
API# 30-015-44948
Eddy County, NM
Site map

Legend

- ⊙ Samples
- Spill Area 600 S/F

NSW-1
S-1
WSW-1
ESW-1
S-2
SSW-1



70 ft

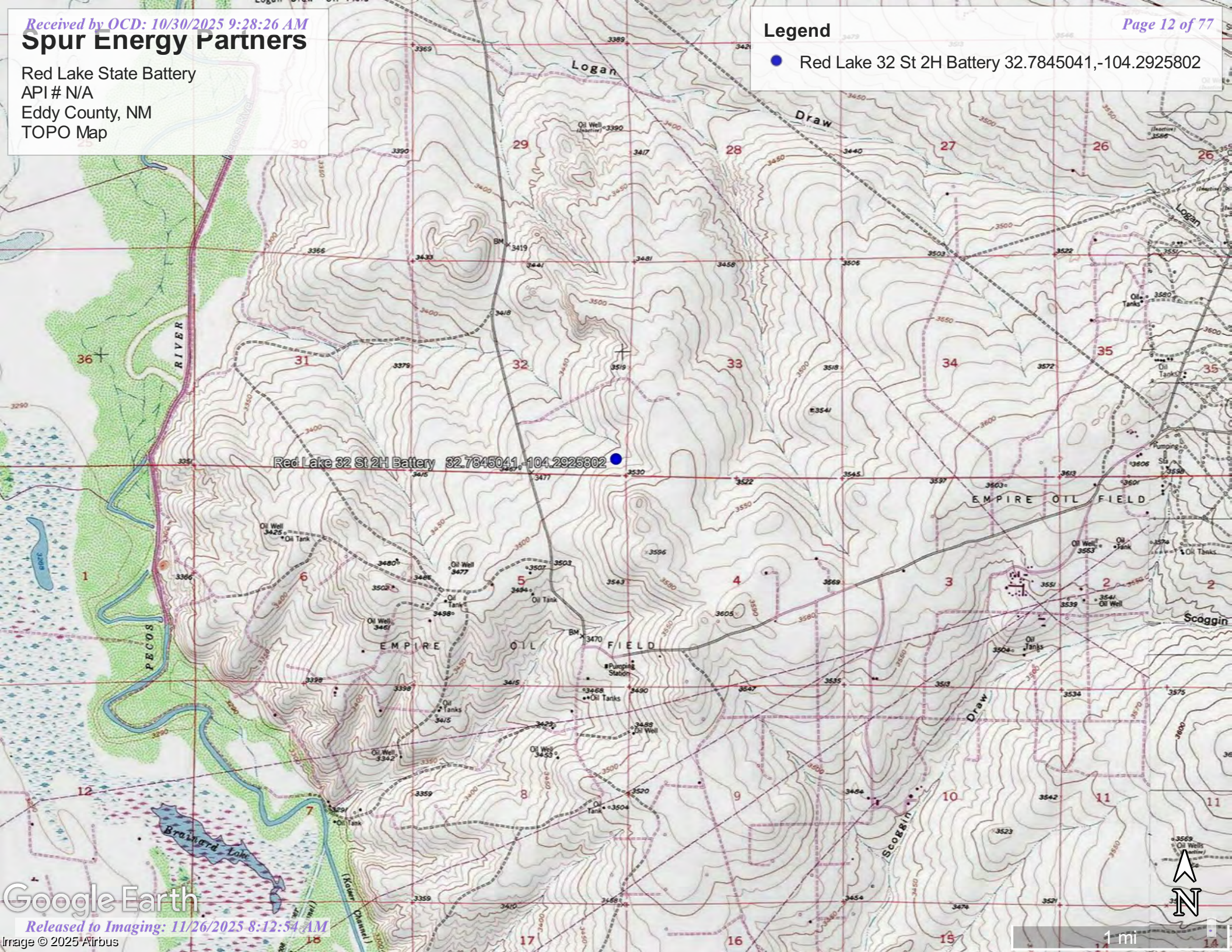
Google Earth

Spur Energy Partners

Red Lake State Battery
API # N/A
Eddy County, NM
TOPO Map

Legend

- Red Lake 32 St 2H Battery 32.7845041,-104.2925802



Spur Energy Partners

Red Lake State Battery

API # N/A

Eddy County, NM

Karst Map

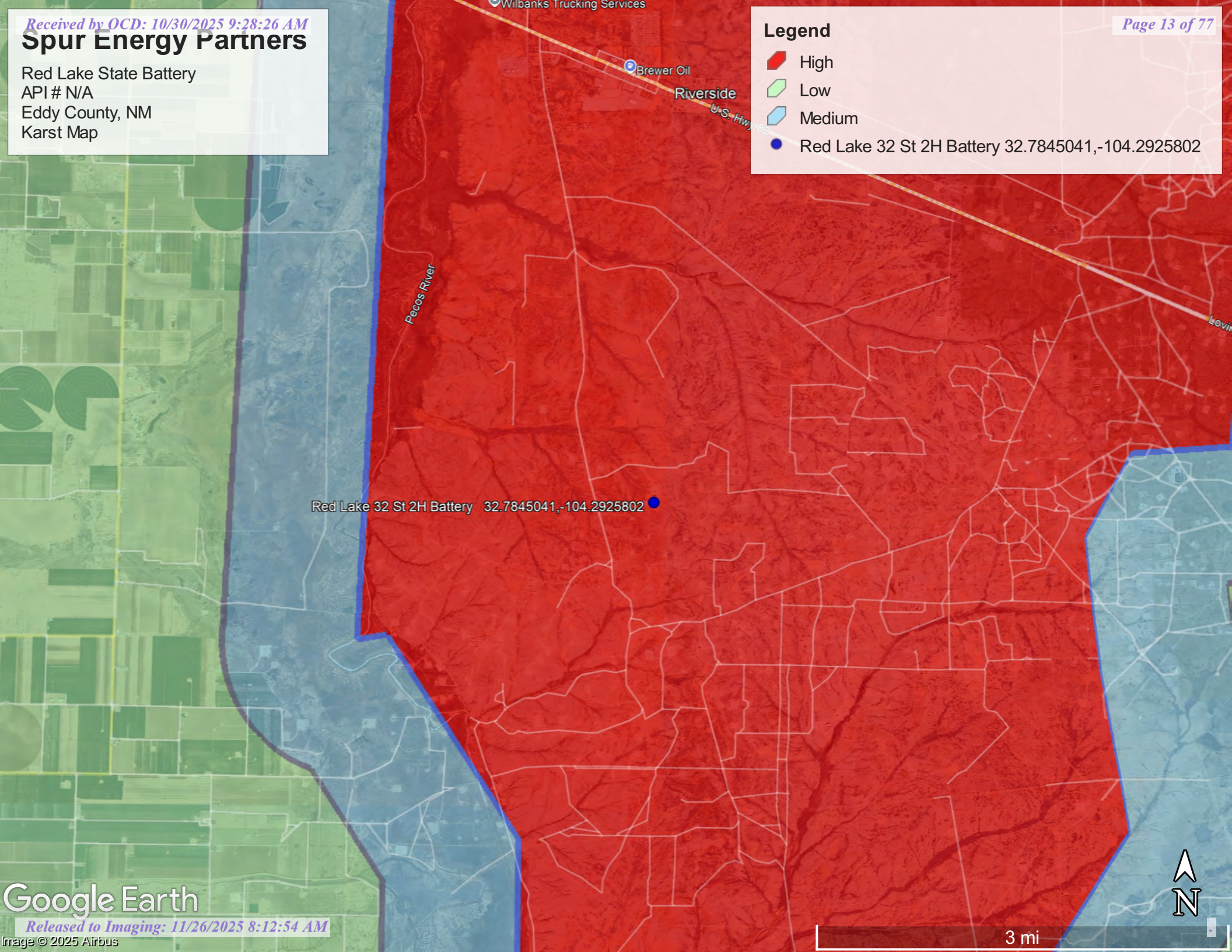
Legend

High

Low

Medium

Red Lake 32 St 2H Battery 32.7845041,-104.2925802






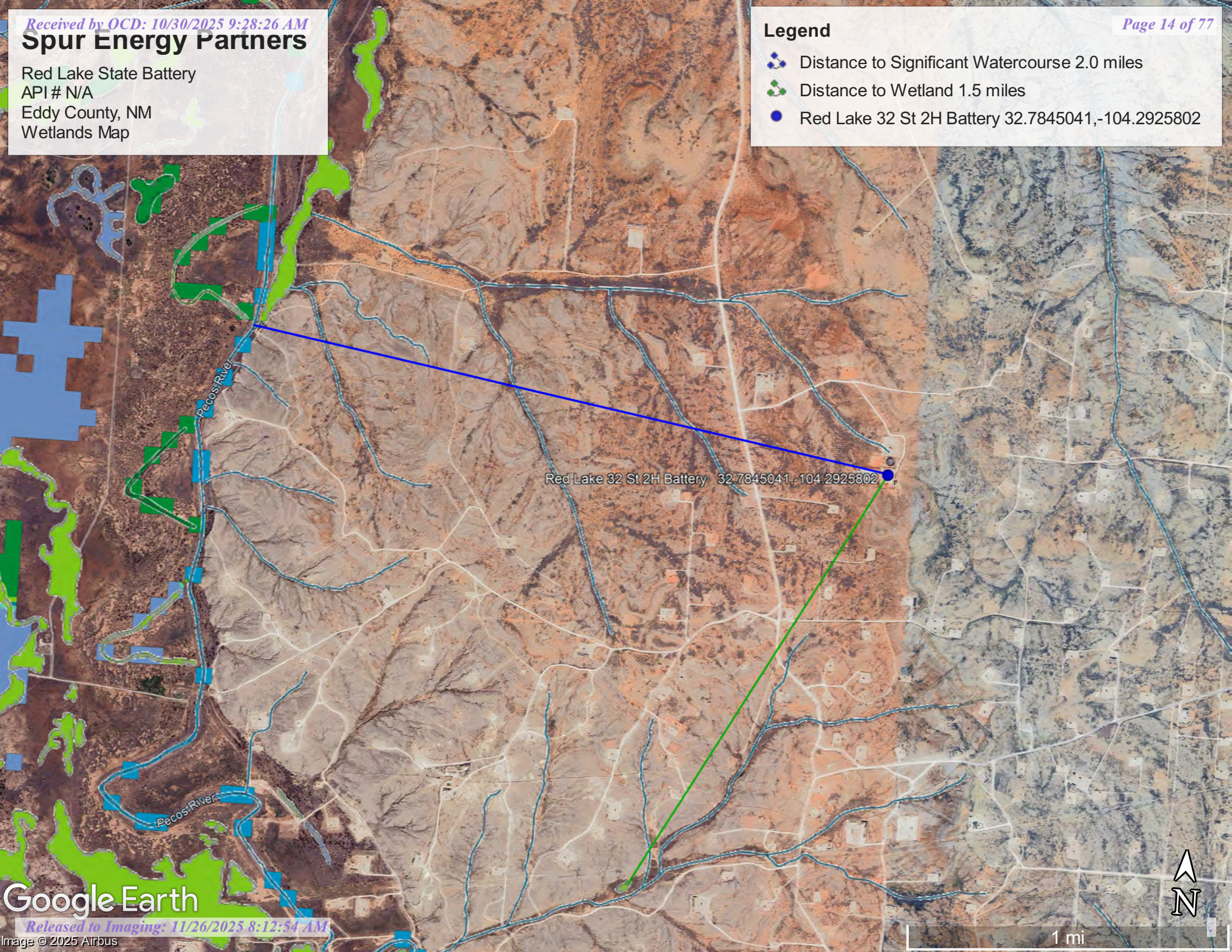
Red Lake 32 St 2H Battery 32.7845041,-104.2925802

Spur Energy Partners

Red Lake State Battery
API # N/A
Eddy County, NM
Wetlands Map

Legend

-  Distance to Significant Watercourse 2.0 miles
-  Distance to Wetland 1.5 miles
-  Red Lake 32 St 2H Battery 32.7845041,-104.2925802



Red Lake 32 St 2H Battery 32.7845041,-104.2925802



Spur Energy Partners

Red Lake 32 St #2 Battery
API# 30-015-44948
Eddy County, NM
Confirmation Map

Legend

- ⊙ Samples
- Spill Area 600 S/F

NSW-1
G-1
WSW-1 G-2 ESW-1
G-3
SSW-1



70 ft

Google Earth



Appendix A:

Referenced Water Data

USGS



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324715104180201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324715104180201 17S.27E.32.32000

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°47'15", Longitude 104°18'02" NAD27

Land-surface elevation 3,454 feet above NAVD88

The depth of the well is 400 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the San Andres Limestone (313SADR) local aquifer.

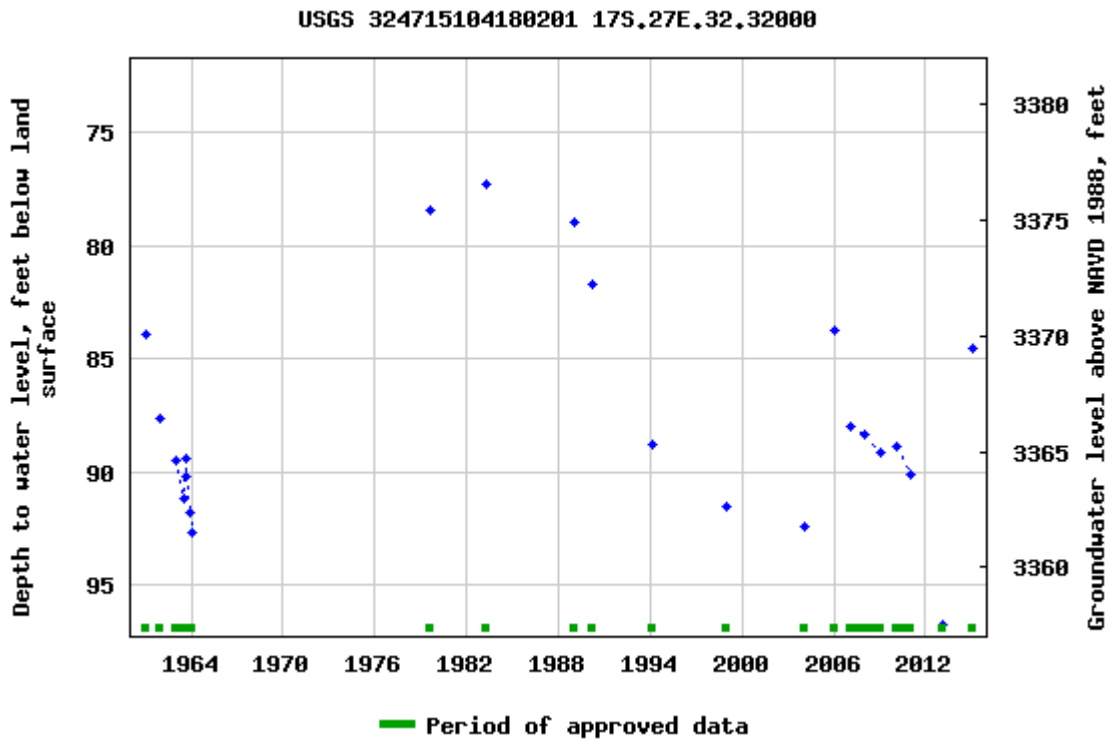
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-07-25 10:50:40 EDT

0.61 0.54 nadww02



Appendix B:

Soil Survey

U.S.D.A.

FEMA Flood Map

Map Unit Description: Gypsum land---Eddy Area, New Mexico

Eddy Area, New Mexico

GA—Gypsum land

Map Unit Setting

National map unit symbol: 1w4f

Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 66 degrees F

Frost-free period: 190 to 225 days

Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 98 percent

Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Cottonwood

Percent of map unit: 1 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 20, Sep 3, 2024

National Flood Hazard Layer FIRMette



104°18'3"W 32°47'19"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°17'26"W 32°46'49"N

Released to Imaging: 11/26/2025 8:12:54 AM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2025 at 5:57 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Appendix C:

NMOCD Notification

Photographic Documentation



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 492814

<OCDOnline@state.nm.us>

Wed, Aug 6 at 2:50 PM

To: <angel@paragonenvironmental.net>

To whom it may concern (c/o Angel Pena for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2104849757.

The sampling event is expected to take place:

When: 08/11/2025 @ 08:00

Where: P-32-17S-27E 0 FNL 0 FEL (32.784483,-104.295631)

Additional Information: Angel Pena
5756050773

Additional Instructions: 32.784483,-104.295631

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 453333

<OCDOnline@state.nm.us>

Thu, Apr 17 at 6:00 PM

To: <angel@paragonenvironmental.net>

To whom it may concern (c/o Angel Pena for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2104849757.

The sampling event is expected to take place:

When: 04/22/2025 @ 08:00

Where: P-32-17S-27E 0 FNL 0 FEL (32.784483,-104.295631)

Additional Information: Angel Pena
575-605-0773

Additional Instructions: 32.784550,-104.292284

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	461208	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RED LAKE 32 STATE #2H BATTERY , nAPP2104849757		
Status:	Approved		
Status Date:	05/12/2025		
References (0):			

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2104849757
Incident Name	NAPP2104849757 RED LAKE 32 STATE #2H BATTERY @ 30-015-44948
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

Location of Release Source

Site Name	RED LAKE 32 STATE #2H BATTERY
Date Release Discovered	02/16/2021
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	465
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Angel Pena 575-605-0773
Please provide any information necessary for navigation to sampling site	32.784550,-104.292284

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary:	apena (5/12/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.
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Reasons

No reasons found for this submission.

Go Back



OCD Permitting

HomeOperator DataAction StatusAction Search ResultsAction Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	492814	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RED LAKE 32 STATE #2H BATTERY , nAPP2104849757		
Status:	Approved		
Status Date:	08/06/2025		
References (0):			

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2104849757
Incident Name	NAPP2104849757 RED LAKE 32 STATE #2H BATTERY @ 30-015-44948
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

Location of Release Source

Site Name	RED LAKE 32 STATE #2H BATTERY
Date Release Discovered	02/16/2021
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/11/2025
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Angel Pena 5756050773
Please provide any information necessary for navigation to sampling site	32.784483,-104.295631

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary:	apena (8/6/2025). Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.
	apena (8/6/2025). If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.

Reasons

No reasons found for this submission.

Go Back



**Photographic Documentation
Before**



During



Completed





Appendix D:
Laboratory Results

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

October 02, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RED LAKE TB 32 2H

Enclosed are the results of analyses for samples received by the laboratory on 04/07/25 16:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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/ga/lab_accred_certif.html.

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

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:Reported:
02-Oct-25 14:35

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 2'	H252064-01	Soil	07-Apr-25 00:00	07-Apr-25 16:48
S-2 2'	H252064-02	Soil	07-Apr-25 00:00	07-Apr-25 16:48
NSW -1 2'	H252064-03	Soil	07-Apr-25 00:00	07-Apr-25 16:48
ESW -1 2'	H252064-04	Soil	07-Apr-25 00:00	07-Apr-25 16:48
SSW -1 2'	H252064-05	Soil	07-Apr-25 00:00	07-Apr-25 16:48
WSW -1 2'	H252064-06	Soil	07-Apr-25 00:00	07-Apr-25 16:48

10/02/25 - Client changed all samples to composite (see COC). This is the revised report and will replace the one sent on 04/11/25.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

S-1 2'
H252064-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	288		16.0	mg/kg	4	5040918	CT	09-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040812	JH	09-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 5040812 JH 09-Apr-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	
DRO >C10-C28*	1030		10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	
EXT DRO >C28-C36	216		10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	

Surrogate: 1-Chlorooctane 96.0 % 44.4-145 5040748 ms 08-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 93.6 % 40.6-153 5040748 ms 08-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

S-2 2'
H252064-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	5040918	CT	09-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040812	JH	09-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 5040812 JH 09-Apr-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	
DRO >C10-C28*	756		10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	
EXT DRO >C28-C36	165		10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	

Surrogate: 1-Chlorooctane 102 % 44.4-145 5040748 ms 08-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 97.2 % 40.6-153 5040748 ms 08-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

NSW -1 2'
H252064-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	5040918	CT	09-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040812	JH	09-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5040812	JH	09-Apr-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	
DRO >C10-C28*	1670	10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	
EXT DRO >C28-C36	333	10.0	mg/kg	1	5040748	ms	08-Apr-25	8015B	

Surrogate: 1-Chlorooctane	104 %	44.4-145	5040748	ms	08-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	111 %	40.6-153	5040748	ms	08-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

ESW -1 2'
H252064-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	5040918	CT	09-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040812	JH	09-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 5040812 JH 09-Apr-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	
DRO >C10-C28*	485		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	QM-07
EXT DRO >C28-C36	96.4		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	

Surrogate: 1-Chlorooctane 101 % 44.4-145 5040816 MS 08-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 119 % 40.6-153 5040816 MS 08-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

SSW -1 2'
H252064-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	5040918	CT	09-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040812	JH	09-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5040812	JH	09-Apr-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	
DRO >C10-C28*	580		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	
EXT DRO >C28-C36	136		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	

Surrogate: 1-Chlorooctane			97.3 %	44.4-145		5040816	MS	08-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	40.6-153		5040816	MS	08-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

WSW -1 2'
H252064-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	5040918	CT	09-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040812	JH	09-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040812	JH	09-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 5040812 JH 09-Apr-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	
DRO >C10-C28*	507		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	
EXT DRO >C28-C36	114		10.0	mg/kg	1	5040816	MS	08-Apr-25	8015B	

Surrogate: 1-Chlorooctane 104 % 44.4-145 5040816 MS 08-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 119 % 40.6-153 5040816 MS 08-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5040918 - 1:4 DI Water									
Blank (5040918-BLK1)				Prepared & Analyzed: 09-Apr-25					
Chloride	ND	16.0	mg/kg						
LCS (5040918-BS1)				Prepared & Analyzed: 09-Apr-25					
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (5040918-BSD1)				Prepared & Analyzed: 09-Apr-25					
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5040812 - Volatiles**Blank (5040812-BLK1)**

Prepared: 08-Apr-25 Analyzed: 09-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500		105	71.5-134			

LCS (5040812-BS1)

Prepared: 08-Apr-25 Analyzed: 09-Apr-25

Benzene	1.97	0.050	mg/kg	2.00		98.4	82.8-130			
Toluene	1.90	0.050	mg/kg	2.00		94.8	86-128			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.6	85.9-128			
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	89-129			
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125			
Total Xylenes	6.06	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0470		mg/kg	0.0500		94.0	71.5-134			

LCS Dup (5040812-BSD1)

Prepared: 08-Apr-25 Analyzed: 09-Apr-25

Benzene	2.01	0.050	mg/kg	2.00		100	82.8-130	1.88	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.6	86-128	2.90	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.3	85.9-128	0.767	16	
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	89-129	1.91	16.2	
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125	2.35	16.7	
Total Xylenes	6.18	0.150	mg/kg	6.00		103	88.2-128	2.05	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.6	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5040748 - General Prep - Organics**Blank (5040748-BLK1)**

Prepared: 07-Apr-25 Analyzed: 08-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.0		mg/kg	50.0		110	44.4-145			
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0		103	40.6-153			

LCS (5040748-BS1)

Prepared: 07-Apr-25 Analyzed: 08-Apr-25

GRO C6-C10	200	10.0	mg/kg	200		99.9	81.5-123			
DRO >C10-C28	204	10.0	mg/kg	200		102	77.7-122			
Total TPH C6-C28	404	10.0	mg/kg	400		101	80.9-121			
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	44.4-145			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	40.6-153			

LCS Dup (5040748-BS1)

Prepared: 07-Apr-25 Analyzed: 08-Apr-25

GRO C6-C10	200	10.0	mg/kg	200		100	81.5-123	0.0735	13	
DRO >C10-C28	204	10.0	mg/kg	200		102	77.7-122	0.0594	15.6	
Total TPH C6-C28	404	10.0	mg/kg	400		101	80.9-121	0.00643	18.5	
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	44.4-145			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	40.6-153			

Batch 5040816 - General Prep - Organics**Blank (5040816-BLK1)**

Prepared & Analyzed: 08-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.5		mg/kg	50.0		113	44.4-145			
Surrogate: 1-Chlorooctadecane	55.9		mg/kg	50.0		112	40.6-153			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE TB 32 2H
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:35

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5040816 - General Prep - Organics**LCS (5040816-BS1)**

Prepared & Analyzed: 08-Apr-25

GRO C6-C10	190	10.0	mg/kg	200		95.2	81.5-123			
DRO >C10-C28	195	10.0	mg/kg	200		97.3	77.7-122			
Total TPH C6-C28	385	10.0	mg/kg	400		96.3	80.9-121			
Surrogate: 1-Chlorooctane	55.7		mg/kg	50.0		111	44.4-145			
Surrogate: 1-Chlorooctadecane	57.0		mg/kg	50.0		114	40.6-153			

LCS Dup (5040816-BS1)

Prepared & Analyzed: 08-Apr-25

GRO C6-C10	193	10.0	mg/kg	200		96.4	81.5-123	1.22	13	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	77.7-122	0.142	15.6	
Total TPH C6-C28	387	10.0	mg/kg	400		96.8	80.9-121	0.533	18.5	
Surrogate: 1-Chlorooctane	55.9		mg/kg	50.0		112	44.4-145			
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0		113	40.6-153			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental Project Manager: Chris Jones Address: 1601 N. Turner St., Ste 500 City: Hobbs State: NM Zip: 88240 Phone #: 575-964-7814 Fax #: Project #: Project Name: Fedlake TB 32 CH Project Location: Edly Cury Sampler Name: Francisco Robledo FOR LAB USE ONLY				P.O. #: Company: SPC Attn: Address: City: State: Zip: Phone #: Fax #:			
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.				BILL TO			
				ANALYSIS REQUEST			
Relinquished By: <i>[Signature]</i> Date: 4/7/05 Relinquished By: <i>[Signature]</i> Date: 4/7/05 Time: 10:45 Received By: <i>[Signature]</i>				Sample Condition: <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Checked By: <i>[Signature]</i>			
Delivered By: (Circle One) <i>83-</i> / <i>403-</i> Sampler - UPS - Bus - Other: <i>200</i> / <i>#140</i>				REMARKS:			

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CHLORIDES
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
5-1 2'								4/7					
5-2 2'													
5-3 2'													
5-4 2'													
5-5 2'													
5-6 2'													
5-7 2'													
5-8 2'													
5-9 2'													
5-10 2'													
5-11 2'													
5-12 2'													
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5-34 2'													
5-35 2'													
5-36 2'													
5-37 2'													



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

April 30, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RED LAKE 32 2H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/24/25 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	RED LAKE 32 2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

Sample ID: NSW 1 2 1/2' (H252495-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66	
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39	
Total BTEX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	353	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	146	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 04/24/2025
Reported: 04/30/2025
Project Name: RED LAKE 32 2H BATTERY
Project Number: SPUR
Project Location: EDDY COUNTY

Sampling Date: 04/22/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: ESW 1 2 1/2' (H252495-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66		
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39		
Total BTEx	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	184	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	79.4	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 68.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 04/24/2025
Reported: 04/30/2025
Project Name: RED LAKE 32 2H BATTERY
Project Number: SPUR
Project Location: EDDY COUNTY

Sampling Date: 04/22/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SSW 1 2 1/2' (H252495-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66		
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39		
Total BTEx	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	124	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	51.9	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 04/24/2025
Reported: 04/30/2025
Project Name: RED LAKE 32 2H BATTERY
Project Number: SPUR
Project Location: EDDY COUNTY

Sampling Date: 04/22/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: WSW 1 2 1/2' (H252495-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66	
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39	
Total BTX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	192	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	84.1	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 04/24/2025
Reported: 04/30/2025
Project Name: RED LAKE 32 2H BATTERY
Project Number: SPUR
Project Location: EDDY COUNTY

Sampling Date: 04/22/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: S - 1 2 1/2' (H252495-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66		
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	10.0	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 04/24/2025
Reported: 04/30/2025
Project Name: RED LAKE 32 2H BATTERY
Project Number: SPUR
Project Location: EDDY COUNTY

Sampling Date: 04/22/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: S - 2 2 1/2' (H252495-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66	
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39	
Total BTX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	15.4	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 04/24/2025
Reported: 04/30/2025
Project Name: RED LAKE 32 2H BATTERY
Project Number: SPUR
Project Location: EDDY COUNTY

Sampling Date: 04/22/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: S - 3 2 1/2' (H252495-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.25	113	2.00	1.66		
Toluene*	<0.050	0.050	04/28/2025	ND	2.26	113	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.34	117	2.00	3.60		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	7.07	118	6.00	4.39		
Total BTEX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		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	04/28/2025	ND	192	95.8	200	0.785	
DRO >C10-C28*	12.6	10.0	04/28/2025	ND	217	108	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500
City: Hobbs State: NM Zip: 88240

Phone #: 575-964-7814 Fax #:

Project Owner:

Project Name: Red Lake 32 24 Battery

Project Location: Eddy County

Sample Name: Francisco Roberts

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: SPUR

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

MATRIX

PRESERV

SAMPLING

TPH
BTEX
CHLORIDES

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Relinquished By:

Date: 4/24/05

Received By:

Time: 11:34

Date: 4/24/05

Time: 11:34

Date: 4/24/05

Time: 11:34

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Time: 11:34

Date: 4/24/05

Time: 11:34

Date: 4/24/05

Time: 11:34

Date: 4/24/05

Delivered By: (Circle One) 4/24/05

Sampler - UPS - Bus - Other: 5/21/14

Sample Condition

Cool ☒ Intact ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

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

October 02, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RED LAKE 32 TB

Enclosed are the results of analyses for samples received by the laboratory on 05/16/25 15:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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/ga/lab_accred_certif.html.

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

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:Reported:
02-Oct-25 14:39

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW - 1 2 1/2 '	H252987-01	Soil	15-May-25 00:00	16-May-25 15:29
ESW - 1 2 1/2 '	H252987-02	Soil	15-May-25 00:00	16-May-25 15:29
WSW - 1 2 1/2 '	H252987-03	Soil	15-May-25 00:00	16-May-25 15:29
SSW - 1 2 1/2 '	H252987-04	Soil	15-May-25 00:00	16-May-25 15:29

10/02/25- Client changed all samples to composites (see COC). This is the revised report and will replace the one sent on 05/22/25.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

NSW - 1 2 1/2 '**H252987-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	5052006	KH	20-May-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5051905	JH	19-May-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5051905	JH	19-May-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134		5051905	JH	19-May-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5051901	MS	19-May-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5051901	MS	19-May-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5051901	MS	19-May-25	8015B	

Surrogate: 1-Chlorooctane	82.6 %	44.4-145		5051901	MS	19-May-25	8015B	
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Surrogate: 1-Chlorooctadecane	77.1 %	40.6-153		5051901	MS	19-May-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

ESW - 1 2 1/2 '**H252987-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	5052006	KH	20-May-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5051905	JH	19-May-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5051905	JH	19-May-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	5051905	JH	19-May-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5051901	MS	19-May-25	8015B	
DRO >C10-C28*	15.3		10.0	mg/kg	1	5051901	MS	19-May-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5051901	MS	19-May-25	8015B	

Surrogate: 1-Chlorooctane			83.7 %		44.4-145	5051901	MS	19-May-25	8015B	
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Surrogate: 1-Chlorooctadecane			77.5 %		40.6-153	5051901	MS	19-May-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

WSW - 1 2 1/2 '**H252987-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	5052006	KH	20-May-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5051905	JH	19-May-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5051905	JH	19-May-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	5051905	JH	19-May-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5051901	MS	19-May-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5051901	MS	19-May-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5051901	MS	19-May-25	8015B	

Surrogate: 1-Chlorooctane			94.2 %		44.4-145	5051901	MS	19-May-25	8015B	
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Surrogate: 1-Chlorooctadecane			90.9 %		40.6-153	5051901	MS	19-May-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

SSW - 1 2 1/2 '**H252987-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	5052006	KH	20-May-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5051905	JH	19-May-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5051905	JH	19-May-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5051905	JH	19-May-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	5051905	JH	19-May-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5051901	MS	19-May-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5051901	MS	19-May-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5051901	MS	19-May-25	8015B

Surrogate: 1-Chlorooctane	90.6 %	44.4-145	5051901	MS	19-May-25	8015B
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Surrogate: 1-Chlorooctadecane	85.1 %	40.6-153	5051901	MS	19-May-25	8015B
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5052006 - 1:4 DI Water									
Blank (5052006-BLK1)				Prepared & Analyzed: 20-May-25					
Chloride	ND	16.0	mg/kg						
LCS (5052006-BS1)				Prepared & Analyzed: 20-May-25					
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (5052006-BSD1)				Prepared & Analyzed: 20-May-25					
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5051905 - Volatiles**Blank (5051905-BLK1)**

Prepared & Analyzed: 19-May-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0552		mg/kg	0.0500		110	71.5-134			

LCS (5051905-BS1)

Prepared & Analyzed: 19-May-25

Benzene	2.14	0.050	mg/kg	2.00		107	76.3-129			
Toluene	2.11	0.050	mg/kg	2.00		106	84.1-129			
Ethylbenzene	2.11	0.050	mg/kg	2.00		105	80.1-133			
m,p-Xylene	4.37	0.100	mg/kg	4.00		109	81.4-134			
o-Xylene	2.17	0.050	mg/kg	2.00		109	81.4-133			
Total Xylenes	6.54	0.150	mg/kg	6.00		109	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.8	71.5-134			

LCS Dup (5051905-BSD1)

Prepared & Analyzed: 19-May-25

Benzene	2.19	0.050	mg/kg	2.00		109	76.3-129	2.26	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	84.1-129	1.25	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	80.1-133	0.773	16	
m,p-Xylene	4.41	0.100	mg/kg	4.00		110	81.4-134	0.944	16.2	
o-Xylene	2.20	0.050	mg/kg	2.00		110	81.4-133	1.41	16.7	
Total Xylenes	6.61	0.150	mg/kg	6.00		110	81.5-134	1.10	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	71.5-134			

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Analytical Results For:

PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS NM, 88240

Project: RED LAKE 32 TB
Project Number: NOT GIVEN
Project Manager: CHRIS JONES
Fax To:

Reported:
02-Oct-25 14:39

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5051901 - General Prep - Organics**Blank (5051901-BLK1)**

Prepared & Analyzed: 19-May-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.5	44.4-145			
Surrogate: 1-Chlorooctadecane	48.5		mg/kg	50.0		97.1	40.6-153			

LCS (5051901-BS1)

Prepared & Analyzed: 19-May-25

GRO C6-C10	203	10.0	mg/kg	200		102	81.5-123			
DRO >C10-C28	212	10.0	mg/kg	200		106	77.7-122			
Total TPH C6-C28	416	10.0	mg/kg	400		104	80.9-121			
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	44.4-145			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		99.9	40.6-153			

LCS Dup (5051901-BSD1)

Prepared & Analyzed: 19-May-25

GRO C6-C10	205	10.0	mg/kg	200		103	81.5-123	1.02	13	
DRO >C10-C28	210	10.0	mg/kg	200		105	77.7-122	1.26	15.6	
Total TPH C6-C28	415	10.0	mg/kg	400		104	80.9-121	0.139	18.5	
Surrogate: 1-Chlorooctane	52.5		mg/kg	50.0		105	44.4-145			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	40.6-153			

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST																	
Project Manager: Chris Jones		P.O. #:																			
Address: 1601 N. Turner St., Ste 500		Company: SFCU																			
City: Hobbs		Attn:																			
Phone #: 575-964-7814		Address:																			
Fax #:		City:																			
Project #:		State:																			
Project Name: Redstone 32H T6		Zip:																			
Project Location: Eddy County		Phone #:																			
Sampler Name: Franice Kohlen		Fax #:																			
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING												
				GROUNDWATER																	
				WASTEWATER																	
				SOIL																	
				OIL																	
				SLUDGE																	
				OTHER :																	
				ACID/BASE:																	
				ICE / COOL																	
				OTHER :																	
				DATE	TIME																
13530987	NSW-1 2 1/2'			5/15																	
3	ESW-1 2 1/2'																				
4	ESW-1 2 1/2'																				
	SSW-1 2 1/2'																				
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Relinquished By:		Date: 5/16/05	Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: UAPP 2104849757 Release 02/16/21																
Relinquished By: J. G. H.		Date: 1509	Received By: Franice																		
Time:																					
Time:																					
Delivered By: (Circle One) -a-8-i/c-003		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) JF																	
Sampler - UPS - Bus - Other: -a-5-i/#140																					

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

August 20, 2025

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RED LAKE 32 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/25 15:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received: 08/14/2025
Reported: 08/20/2025
Project Name: RED LAKE 32 2H
Project Number: NOT GIVEN
Project Location: SPUR-EDDY CO

Sampling Date: 08/11/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BACKFILL - 1 (H255059-01)

BTX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2025	ND	1.92	95.8	2.00	3.73	
Toluene*	<0.050	0.050	08/15/2025	ND	1.99	99.3	2.00	5.12	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	1.98	98.8	2.00	5.64	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.06	101	6.00	5.23	
Total BTX	<0.300	0.300	08/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2025	ND	432	108	400	3.77	

TPH 8015M		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	08/15/2025	ND	187	93.3	200	0.889	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	203	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
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

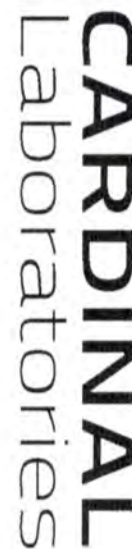
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental				BILL TO				ANALYSIS REQUEST			
Project Manager: Chris Jones				P.O. #:							
Address: 1601 N. Turner St., Ste 500				Company: SPOE Energy							
City: Hobbs				State: NM Zip: 88240				Attn: Kathy Pirus			
Phone #: 575-964-7814				Fax #:				Address:			
Project #:				Project Owner:				City:			
Project Name: Redlake 32 2H				State:				Zip:			
Project Location: Eddy County				Phone #:							
Sampler Name: Francisco Robledo				Fax #:							

FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	DATE	TIME	
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			

Relinquished By:		Date:		Received By:		Date:		Phone Result:		Fax Result:	
		8/14/05				8/11		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By:		Time:		Time:				Add'l Phone #:		Add'l Fax #:	
		1530									
Relinquished By:		Date:		Received By:				REMARKS:			
								NAPP 2509728439			

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 521510

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2104849757
Incident Name	NAPP2104849757 RED LAKE 32 STATE #2H BATTERY @ 30-015-44948
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RED LAKE 32 STATE #2H BATTERY
Date Release Discovered	02/16/2021
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Freeze Pipeline (Any) Crude Oil Released: 14 BBL Recovered: 5 BBL Lost: 9 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 521510

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 10/30/2025
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 521510

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	304
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2003
GRO+DRO (EPA SW-846 Method 8015M)	1670
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/14/2025
On what date will (or did) the final sampling or liner inspection occur	05/15/2025
On what date will (or was) the remediation complete(d)	05/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	600
What is the estimated volume (in cubic yards) that will be reclaimed	56
What is the estimated surface area (in square feet) that will be remediated	600
What is the estimated volume (in cubic yards) that will be remediated	56
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 521510

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 10/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 521510

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 521510

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	492814
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/11/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	600
What was the total volume (cubic yards) remediated	56
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	600
What was the total volume (in cubic yards) reclaimed	56
Summarize any additional remediation activities not included by answers (above)	SOIL CONTAMINANTS WERE REMOVED IN ACCORDANCE WITH THE MOST STRINGENT STANDARDS SET FORTH BY NMOCD
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 10/30/2025

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QUESTIONS, Page 7

Action 521510

QUESTIONS (continued)

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	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 521510

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521510
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2104849757 RED LAKE 32 STATE #2H BATTERY, thank you. This Remediation Closure Report is approved.	11/26/2025