Spill Volume(Bbls) Calculator *Inputs in blue, Outputs in red*		
Length(Ft)	Width(Ft)	Depth(In)
65.000	33.000	3.500
Cubic Feet Impacted		625.625
Barrels		111.42
Soil Type		Clay
Bbls Assuming 100% Saturation		11.14
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		11.20000

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)	65
Width (ft)	33
Depth (in)	3.500

May 29, 2024

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, and Closure Report
Electra Federal Battery
API No. 30-015-36467
GPS: Latitude 32.85311 Longitude -103.95909
U/L "B", Sec. 10, T17S, R30E
Eddy County, NM
NMOCD Ref. No. nAPP2235342254

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities, and write the closure report for the release site known as the Electra Federal Battery (Electra). Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil & Produced Water	**Volume of Release:**	11 bbls
		Volume Recovered:	10 bbls
Source of Release:	Circulating Line	**Date of Release:**	12/16/22
Was Immediate Notice Given?	No	**If, Yes, to Whom?**	
Was a Watercourse Reached?	No	**If Yes, Volume Impacting Watercourse:**	N/A
Surface Owner:	Federal	**Mineral Owner:**	Federal
A 3-inch vic tee on a production header corroder and resulted in the release of mixed fluids. This leak happened in the same spot the previous spills in this battery occurred.			

Topographical and Aerial 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 100-500'
- 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- > 5 Mile
- 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- >5 mi
- Categorize the risk of this well/site being in a karst area geology- Low
- A 100-year floodplain- 1/2-1 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 Quaternary Formation- and is made up of Eolian and piedmont deposits (Holocene to middle Pleistocene)- Interlayed eolian sands and piedmont- slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (Qep). According to the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Berino Complex, with 0 to 3 percent slopes. The drainage courses in this area are well-drained. There is not a high potential for karst geology to be present around the Electra, so closure criteria were adhered to based on this characteristic (Figure #3).

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

INITIAL SITE ASSESSMENT

On June 15, 2023, Paragon conducted an initial site assessment. During the initial site assessment, we sampled inside the footprint of the incident. The results of this sampling event are detailed in the following data table.

6-15-23 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 6/15/23		Closure Criteria ≤50 mg/kg	Closure Criteria ≤10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	1'	ND	ND	ND	326	183	509	2480
S-2	1'	ND	ND	ND	**1260**	931	2191	160
S-3	1'	ND	ND	ND	169	45.7	214.7	4080
S-4	1'	ND	ND	ND	116	40.5	156.5	992
NSW-1	1'	0.428	ND	**63.1**	**2770**	**649**	**3482.1**	256
ESW-1	1'	ND	ND	ND	441	256	697	720
SSW-1	1'	ND	ND	ND	ND	11.3	ND	448
SSW-2	1'	ND	ND	ND	505	235	740	1720
WSW-1	1'	ND	ND	ND	**1450**	**663**	**2113**	1360
WSW-2	1'	ND	ND	ND	612	153	765	832

ND- Analyte Not Detected
Laboratory Report can be found in Appendix D

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

On January 25, 2024, Paragon mobilized equipment and personnel to the Electra to begin remediation activities. The following tasks were performed in accordance with Rule 19.15.29.12.

- Inside the battery, where the staining from the incident occurred, we manually excavated to a depth of 2 feet BGS. The material was hauled to Lea Land disposal, where clean backfill material was obtained.

Once this area was excavated (approximately 535 S/F) to the specified depths, we advised the OCD through the portal that we would be obtaining confirmation samples. Bottom samples were obtained, representing no more than 200 s/f. Sidewall samples were obtained, with each sample representing no more than 50 s/f. The results of this sampling event are in the following data table:

2/1/24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 2/1/24		Closure Criteria ≤50 mg/kg	Closure Criteria ≤10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	2'	ND	ND	ND	49.4	ND	49.4	112
S-2	2'	ND	ND	ND	47.9	ND	47.9	224
S-3	2'	ND	ND	ND	11.9	ND	11.9	240
S-4	2'	ND	ND	ND	ND	ND	ND	288
NSW-1	2'	ND	ND	ND	187	80.8	267.8	816
NSW-2	2'	ND	ND	ND	18.7	ND	18.7	2247
ESW-1	2'	ND	ND	ND	12.6	ND	12.6	192
ESW-2	2'	ND	ND	ND	21.9	ND	21.9	240
SSW-1	2'	ND	ND	ND	ND	ND	ND	560
SSW-2	2'	ND	ND	ND	86.6	14.3	100.9	400
WSW-1	2'	ND	ND	ND	ND	ND	ND	288
WSW-2	2'	ND	ND	ND	12	ND	12	272

ND- Analyte Not Detected

Because NSW-1 and NSW-2 were still above closure for sidewall samples, we extended this area horizontally an additional 6 inches. We then resampled this area. This result is in the following data table:

2-13-24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 2/13/24		Closure Criteria ≤50 mg/kg	Closure Criteria ≤10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
NSW-1	2'	ND	ND	ND	ND	ND	ND	64

ND-Analyte Not Detected

After reviewing the data in preparation to write the closure report we realized the NSW-2 sample wasn't obtained. We again returned to the site and obtained a sample from this sample point. The result is in the following data table:

5-8-24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 80')								
Sample Date 5/8/24		Closure Criteria ≤50 mg/kg	Closure Criteria ≤10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
NSW-2	2'	ND	ND	ND	ND	ND	ND	80

ND- Analyte Not Detected

CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2235342254, 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 contact Chris Jones by phone at (575)964-7814 or email chris@paragonenvironmental.net

Respectfully,

Chris Jones
Environmental Professional
Paragon Environmental, LLC

Attachments

Figures:
1- Site Map
2- Topo Map
3- Karst Map
4- Aerial Map
5- Groundwater Map

Appendices:
Appendix A – Referenced Water Surveys & RA-13319 POD1
Appendix B – Soil Survey and FEMA Flood Map
Appendix C – Photographic Documentation & OCD Notification
Appendix D – Laboratory Reports

Figures:

1- Site Map
2- Topo Map
3- Karst Map
4- Aerial Map
5- Groundwater Map

Spur Energy Partners

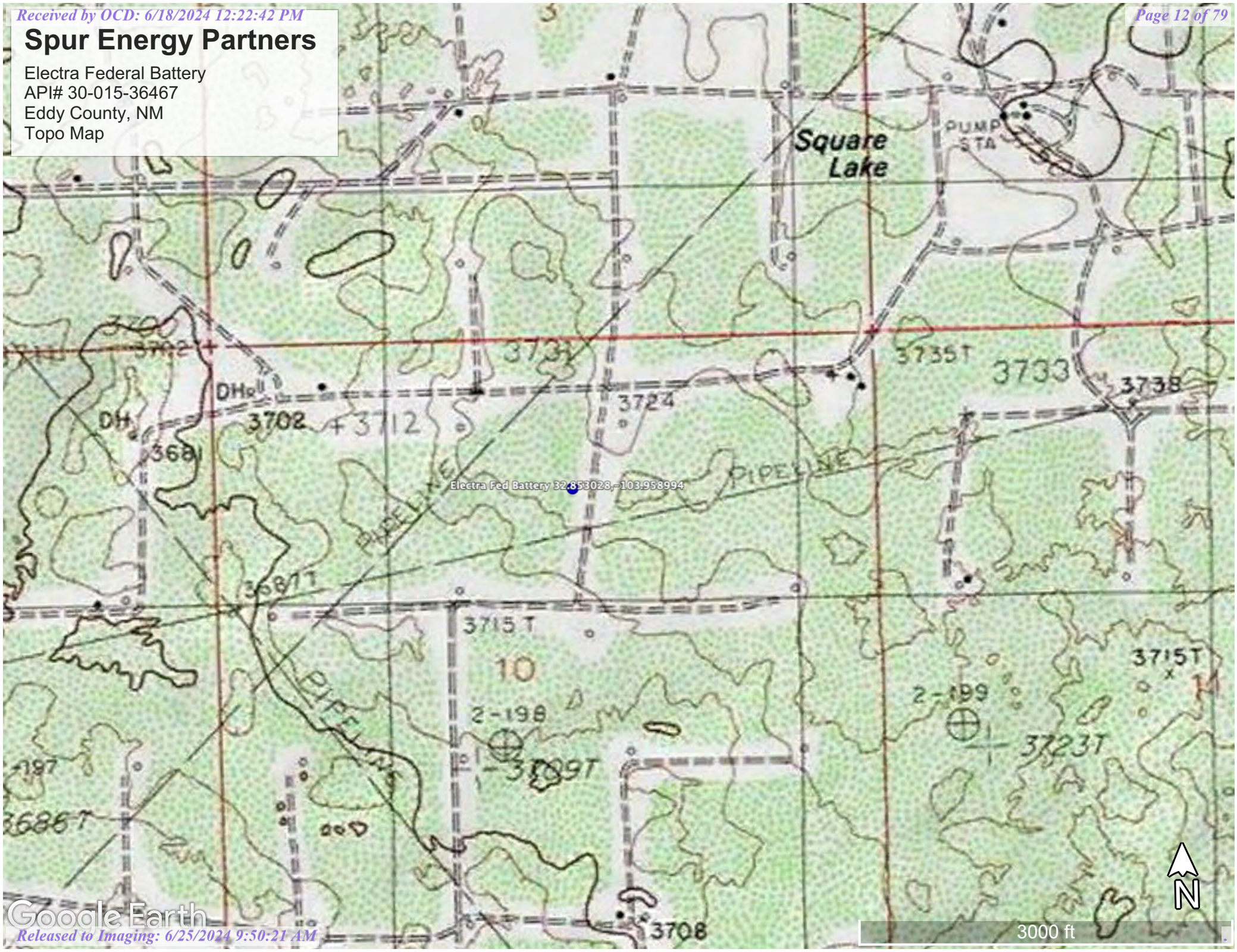
Electra Federal Battery
API# 30-015-36467
Eddy County, NM
Site Map

Legend

- Samples
- Spill Area 535 S/F

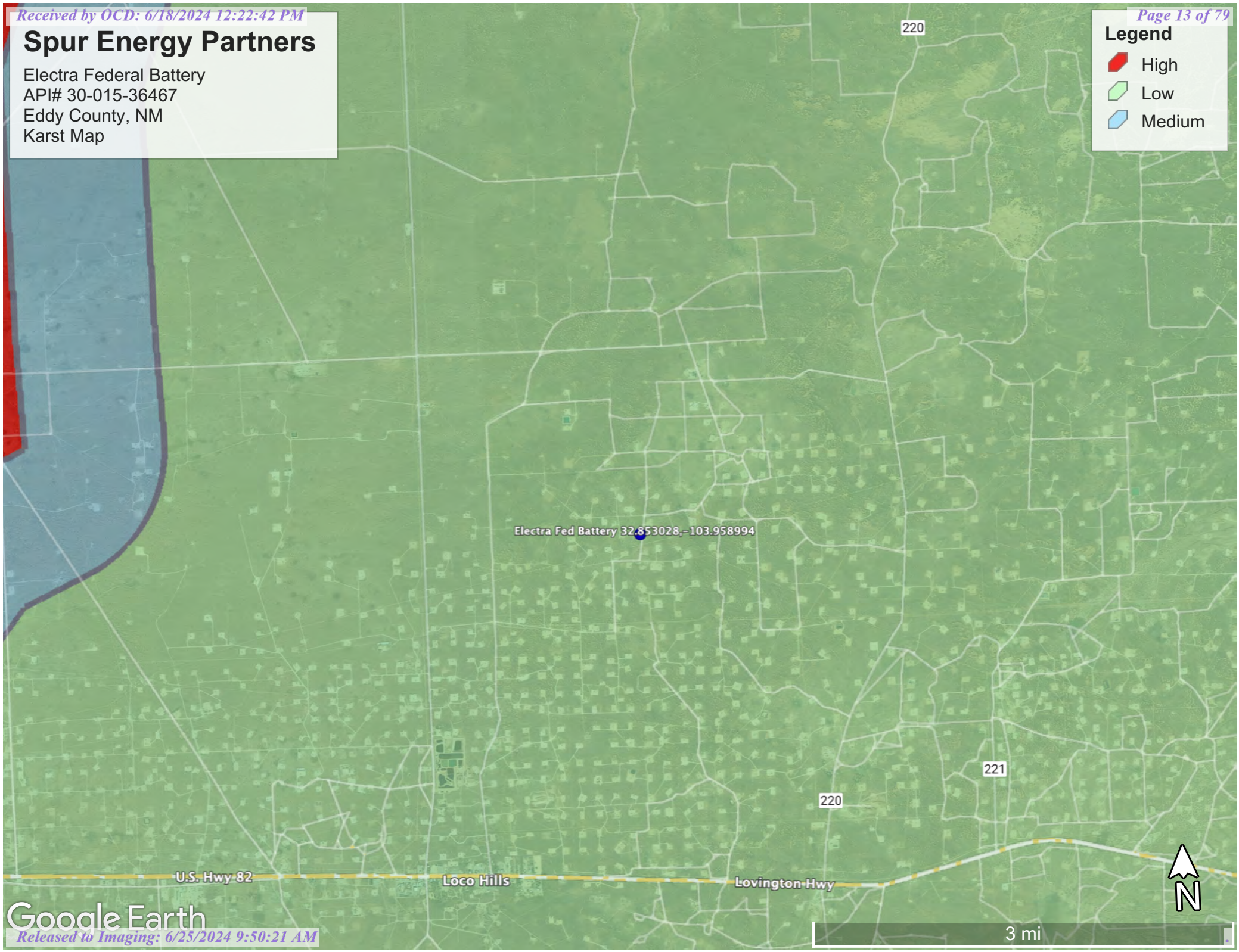
Spur Energy Partners

Electra Federal Battery
API# 30-015-36467
Eddy County, NM
Topo Map



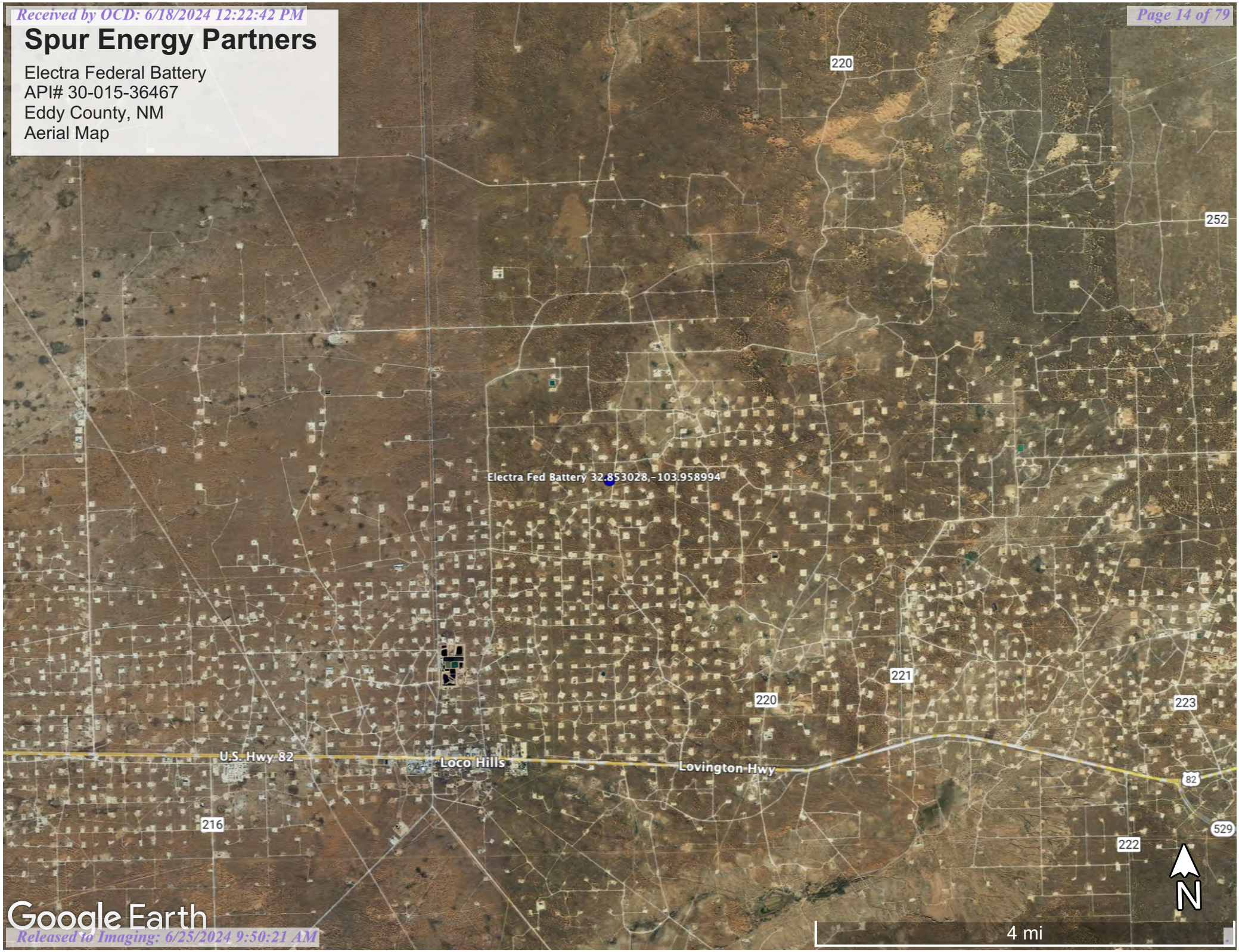
Spur Energy Partners

Electra Federal Battery
API# 30-015-36467
Eddy County, NM
Karst Map



Spur Energy Partners

Electra Federal Battery
API# 30-015-36467
Eddy County, NM
Aerial Map

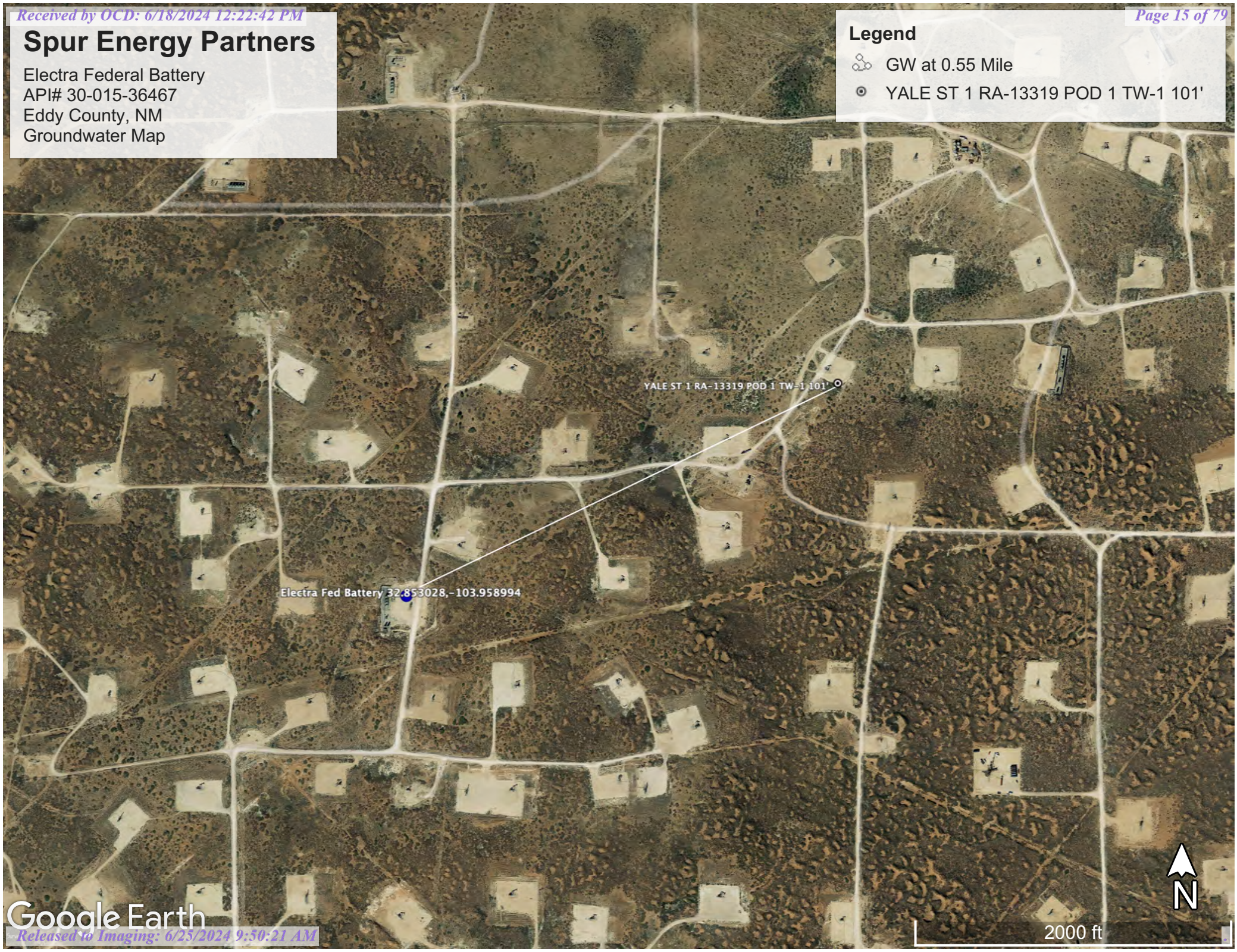


Spur Energy Partners

Electra Federal Battery
API# 30-015-36467
Eddy County, NM
Groundwater Map

Legend

- GW at 0.55 Mile
- YALE ST 1 RA-13319 POD 1 TW-1 101'



Appendix A
Referenced Water Data:

New Mexico State of Engineers Office

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 13212 POD1		RA	CH	1	3	4	11	17S	30E	598984	3634474	1858			
RA 13284 POD1		RA	ED	2	1	4	08	17S	30E	594450	3634729	3055			
RA 13106 POD3		RA	ED	4	2	3	01	17S	30E	600381	3636421	3116			
RA 13106 POD2		RA	ED	4	2	3	01	17S	30E	600406	3636426	3140			

Average Depth to Water: --
Minimum Depth: --
Maximum Depth: --

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 597414.232 **Northing (Y):** 3635468.999 **Radius:** 3200

5/3/23 11:37 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

April 14, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record RA-13319 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, RA-13319 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

OSE DII AUG 29 2023 PM2:05

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	RA-13319

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Spur Energy Partners LLC	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
9655 Katy Freeway, Suite 500	Houston	TX	77024

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	51	25.10	N
	LONGITUDE	103	56	59.71	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SW SW SW Sec. 02 T17S R30E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8/15/2023	8/15/2023	Temporary Well Material	±101	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 8/23/2023

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	101	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Sand, fine-grained poorly grained, Brown	Y ✓ N	
4	30	26	Sand, fine-grained poorly grained, with caliche Brown	Y ✓ N	
30	60	60	Sand, fine-grained poorly grained, semi-cemented, Brown	Y ✓ N	
60	95	35	Clay, friable with fine-grained sand, Brown	Y ✓ N	
95	101	6	Clay, Stiff, medium plasticity, Dark Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

OSE DIT AUG 29 2023 PM2:06

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 8/29/2023

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13319 POD-1

Well owner: Spur Energy Partners LLC Phone No.: 832-930-8502

Mailing address: 9655 Katy Freeway, Suite 500

City: Houston State: Texas Zip code: 77024

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Cameron Pruitt

4) Date well plugging began: 8/23/2023 Date well plugging concluded: 8/23/2023

5) GPS Well Location: Latitude: 32 deg, 51 min, 25.10 sec
Longitude: 103 deg, 56 min, 59.71 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 4/25/2023

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DIT AUG 29 2023 PM2:06

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
	10'-101' Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

OSE DII AUG 23 2023 PM2:05

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins — Signature of Well Driller

8/29/2023 — Date

Version: September 8, 2009
Page 2 of 2

2023-08-29-RA-13339-packet-forsign

Final Audit Report 2023-08-29

Created:	2023-08-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAARJfnFA8sxelWRMBRDy3khmxsOsOiYmlb

"2023-08-29-RA-13339-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2023-08-29 - 4:04:07 PM GMT- IP address: 24.52.18.211

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-08-29 - 4:05:43 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2023-08-29 - 4:27:24 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-08-29 - 4:38:00 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2023-08-29 - 4:38:00 PM GMT

OSE DIT AUG 29 2023 PM2:05

Adobe Acrobat Sign

Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent

Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

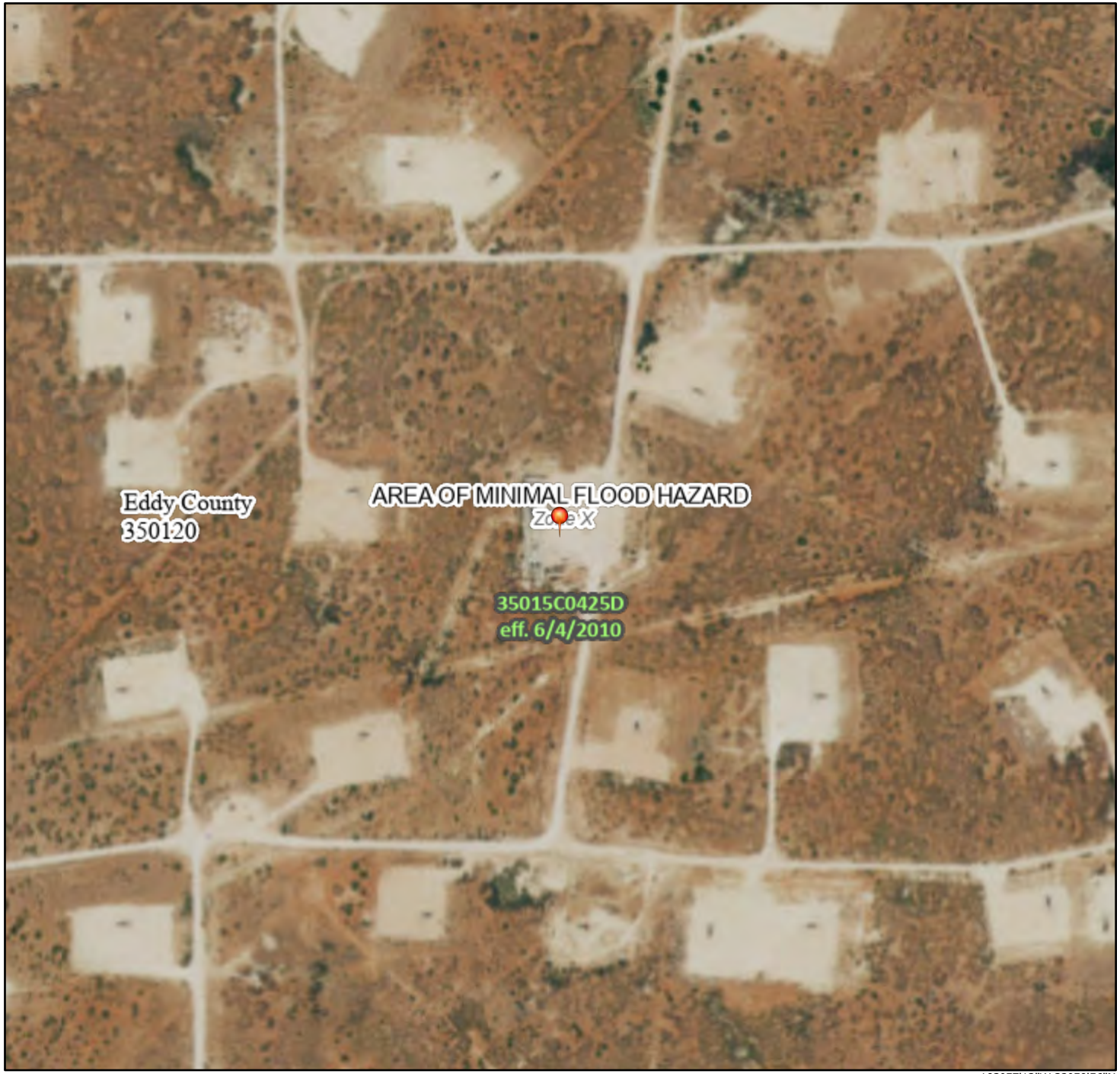
Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette

FEMA

103°57'51"W 32°51'26"N



103°57'13"W 32°50'56"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 5/3/2023 at 1:38 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:

Photographic Documentation

OCD Notification

PARAGON ENVIRONMENTAL

Photographic Documentation
Incident Photos

During


Jan 30, 2024 at 9:44:29 AM
+32.852622,-103.959150
Artesia NM 88210
United States
Electra Fed Battery


Jan 30, 2024 at 9:44:39 AM
+32.852622,-103.959150
Artesia NM 88210
United States
Electra Fed Battery


Jan 30, 2024 at 9:44:57 AM
+32.852719,-103.959165
Artesia NM 88210
United States
Electra Fed Battery


Artesia NM 88210
United States
Electra Fed Battery

Completed


DIRECTION
284 deg(T)
32.85261°N
103.95912°W
ACCURACY 5 m
DATUM WGS84
Taken With
Context Camera
Electra Fed
Battery
2023-02-20
09:31:04-07:00


DIRECTION
330 deg(T)
32.85261°N
103.95914°W
ACCURACY 5 m
DATUM WGS84
Taken With
Context Camera
Electra Fed
Battery
2023-02-20
09:31:15-07:00


DIRECTION
284 deg(T)
32.85270°N
103.95914°W
ACCURACY 5 m
DATUM WGS84
Taken With
Context Camera
Electra Fed
Battery
2023-02-20
09:31:39-07:00

Monday, February 5, 2024 at 09:59:08 Central Standard Time

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 308862
Date: Monday, January 29, 2024 at 10:42:45 AM Central Standard Time
From: OCDOnline@state.nm.us
To: chris@paragonenvironmental.net

To whom it may concern (c/o Chris Jones for Paragon Environmental LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2235342254.

The sampling event is expected to take place:

When: 01/31/2024 @ 09:30
Where: B-10-17S-30E 0 FNL 0 FEL (32.85302,-103.95899)

Additional Information: Angel Pena 575-605-0773

Additional Instructions: GPS 32.853028,-103.958994

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

Appendix D:

Laboratory Results

CARDINAL Laboratories

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

June 23, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: ELECTRA FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/16/23 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 1' (H233131-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	**0.101**	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	**0.177**	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2480**	16.0	06/19/2023	ND	416	104	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	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**326**	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**183**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *99.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *142 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 1' (H233131-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	**0.062**	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/19/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**1260**	50.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**931**	50.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *93.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *197 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 1' (H233131-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	**0.064**	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4080**	16.0	06/19/2023	ND	416	104	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	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**169**	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**45.7**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *129 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 1' (H233131-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**992**	16.0	06/19/2023	ND	416	104	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	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**116**	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**40.5**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: NSW 1' (H233131-05)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	**0.372**	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	**0.428**	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *202 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/19/2023	ND	416	104	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*	**63.1**	10.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**2770**	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**649**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *124 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: ESW 1' (H233131-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	**0.074**	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	06/19/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**441**	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**256**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *120 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *174 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: SSW - 1 1' (H233131-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	06/19/2023	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	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**11.3**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *98.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: SSW - 2 1' (H233131-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	**0.056**	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1720**	16.0	06/19/2023	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	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	**505**	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	**235**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *131 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *139 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: WSW - 1 1' (H233131-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1360**	16.0	06/19/2023	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*	<50.0	50.0	06/21/2023	ND	212	106	200	7.07	
DRO >C10-C28*	**1450**	50.0	06/21/2023	ND	207	103	200	2.09	QM-07, QR-03
EXT DRO >C28-C36	**663**	50.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *84.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *134 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	06/16/2023	Sampling Date:	06/15/2023
Reported:	06/23/2023	Sampling Type:	Soil
Project Name:	ELECTRA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: WSW - 2 1' (H233131-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.92	95.9	2.00	4.59	
Toluene*	<0.050	0.050	06/21/2023	ND	1.91	95.6	2.00	4.08	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.99	99.7	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.06	101	6.00	5.64	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**832**	16.0	06/19/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	212	106	200	7.07	
DRO >C10-C28*	**612**	10.0	06/21/2023	ND	207	103	200	2.09	
EXT DRO >C28-C36	**153**	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *170 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Cardinal Laboratories *=Accredited Analyte

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 Owner:	SPUR
Project Name:	Electra Fed Battery
Project Location:	Eddy County
Sampler Name:	Jeremiah Woods

BILL TO

P.O. #:	
Company:	Spur
Attn:	Bradley Walker
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH Ext	BTEX	Chlorides
H233131																	
1	S-1	1'				X					X		06/15		X	X	X
2	S-2	1'				X											
3	S-3	1'				X											
4	S-4	1'				X											
5	NSW	1'				X											
6	ESW	1'				X											
7	SSW-1	1'				X											
8	SSW-2	1'				X											
9	WSW-1	1'				X											
10	WSW-2	1'				X											

Relinquished By:	Date: 06/16/23	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1410		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to Chris Jones
	Time:		
Delivered By: (Circle One)	#113	Sample Condition: Cool ☐ Yes ☐ No, Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	-4.9/-5.5°C		

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

CARDINAL Laboratories

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

February 07, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: ELECTRA FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/02/24 14:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 1 2' (H240515-01)

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	02/05/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/05/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/05/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/05/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**49.4**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *95.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 2 2' (H240515-02)

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	02/05/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/05/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/05/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/05/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**47.9**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *91.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 3 2' (H240515-03)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**11.9**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *92.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: S - 4 2' (H240515-04)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	<10.0	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *89.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: NSW - 1 2' (H240515-05)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**816**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**187**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	**80.8**	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *90.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: NSW - 2 2' (H240515-06)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**18.7**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *93.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: ESW - 1 2' (H240515-07)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**12.6**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *92.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: ESW - 2 2' (H240515-08)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**21.9**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: SSW - 1 2' (H240515-09)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	<10.0	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: SSW - 2 2' (H240515-10)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**86.6**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	**14.3**	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *97.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: WSW - 1 2' (H240515-11)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	<10.0	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *86.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/02/2024	Sampling Date:	02/01/2024
Reported:	02/07/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	SPUR - EDDY COUNTY		

Sample ID: WSW - 2 2' (H240515-12)

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	02/06/2024	ND	2.20	110	2.00	8.58	
Toluene*	<0.050	0.050	02/06/2024	ND	2.30	115	2.00	10.8	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.44	122	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	7.30	122	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	02/05/2024	ND	432	108	400	3.64	

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	02/05/2024	ND	224	112	200	1.24	
DRO >C10-C28*	**12.0**	10.0	02/05/2024	ND	215	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	02/05/2024	ND					

Surrogate: 1-Chlorooctane *86.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

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

Company Name: Paragon Environmental	**BILL TO**
Project Manager: Cason Spurlock	P.O. #:
Address: 5002 Carriage Rd	Company: Spur
City: Hobbs State: NM Zip: 88242	Attn: Bradley Molder
Phone #: 575-631-6977 Fax #:	Address:
Project #: Project Owner: Spur	City:
Project Name: Electra Federal Battery	State: Zip:
Project Location: Eddy	Phone #:
Sampler Name: Jeremy Mahar	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH Ext	BTEX	Chlorides
H240515 1	S.1 2'	C				✓					✓		02/01		✓	✓	✓
2	S.2 2'	✓				✓					✓		✓		✓	✓	✓
3	S.3 2'	✓				✓					✓		✓		✓	✓	✓
4	S.4 2'	✓				✓					✓		✓		✓	✓	✓
5	NSW.1 2'	✓				✓					✓		✓		✓	✓	✓
6	NSW.2 2'	✓				✓					✓		✓		✓	✓	✓
7	ESW.1 2'	✓				✓					✓		✓		✓	✓	✓
8	ESW.2 2'	✓				✓					✓		✓		✓	✓	✓
9	SSW.1 2'	✓				✓					✓		✓		✓	✓	✓
10	SSW.2 2'	✓				✓					✓		✓		✓	✓	✓

Relinquished By:	Date: 01/02	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 14:31		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to Chris Jones.
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	1.9°C #140	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) DH

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2/2

Company Name: Paragon Environmental		**BILL TO**	
Project Manager: Cason Spurlock		P.O. #:	
Address: 5002 Carriage Rd		Company: Spur	
City: Hobbs	State: NM Zip: 88242	Attn: Bradey Molder	
Phone #: 575-631-6977	Fax #:	Address:	
Project #:	Project Owner: Spur	City:	
Project Name: Electra Federal Battery		State: Zip:	
Project Location: Eddy County		Phone #:	
Sampler Name: Jeremy Maher		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		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	TPH Ext	BTEX	Chlorides									
H240515 11	WSW-1 2'	C	1			1					1		02/01		1	1	1									
12	WSW-2 2'	1				1					1															

inquished By:	Date: 02/02	Received By:	
	Time: 14:31		
inquished By:	Date:	Received By:	
	Time:		
elivered By: (Circle One)	1.90c	Sample Condition Cool Intact	CHECKED BY: (Initials)
mpler - UPS - Bus - Other:	#140	☑ Yes ☐ Yes / ☐ No ☐ No	DH

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:
REMARKS:			

Email results to Chris Jones

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

CARDINAL Laboratories

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

February 26, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: ELECTRA FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/21/24 17:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	02/21/2024	Sampling Date:	02/13/2024
Reported:	02/26/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: NSW - 1 2' (H240868-01)

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	02/26/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/26/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/23/2024	ND	448	112	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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane *66.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *66.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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.
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

Cardinal Laboratories *=Accredited Analyte

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	**BILL TO**
Project Manager: Cason Spurlock	P.O. #:
Address: 5002 Carriage Rd	Company: Bradley Mobley
City: Hobbs State: NM Zip: 88242	Attn: Spur
Phone #: 575-631-6977 Fax #:	Address:
Project #: Project Owner:	City:
Project Name: Electra Fed Battery	State: Zip:
Project Location: Eddy	Phone #:
Sampler Name: Jeremy Money	Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		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	TPH Ext	BTEX	Chlorides
H240868-1	NSW.1 2'	C	1			/					/		02/13		/	/	/

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

Relinquished By:	Date: 02/13	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1705		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to Chris Jones
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #140 -0.5C	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	

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

CARDINAL Laboratories

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

May 16, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: ELECTRA FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/10/24 17:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/10/2024	Sampling Date:	05/08/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	ELECTRA FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY		

Sample ID: NSW - 2 2' (H242583-01)

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	05/15/2024	ND	1.92	96.1	2.00	7.47	
Toluene*	<0.050	0.050	05/15/2024	ND	1.99	99.6	2.00	7.16	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.99	99.5	2.00	7.08	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.16	103	6.00	6.65	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/14/2024	ND	432	108	400	3.64	

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	05/14/2024	ND	186	92.8	200	1.24	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	183	91.7	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane *99.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

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	BILL TO
Project Manager: Chris Jones	P.O. #:
Address: 1601 N. Turner St., Ste 500	Company: Spur
City: Hobbs State: NM Zip: 88240	Attn: Bradley Molder
Phone #: 575-964-7814 Fax #:	Address:
Project #: Project Owner: Spur	City:
Project Name: Electra Fed	State: Zip:
Project Location: Eddy	Phone #:
Sampler Name: Jeremy Mayer	Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		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	Chlorides	TPH Ext	BTEX												
H242583-1	NMW-2. 2'	C				✓					✓		05/08		✓	✓	✓												

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

Relinquished By:	Date: 05/10/24	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1700		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One) #140	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: 5.4°			

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

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

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

QUESTIONS

Action 355489

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2235342254**
Incident Name	**NAPP2235342254 ELECTRA FEDERAL BATTERY NORTH @ 30-015-36467**
Incident Type	**Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-36467] ELECTRA FEDERAL #031**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ELECTRA FEDERAL BATTERY NORTH
Date Release Discovered	12/16/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Other
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	
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.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Fitting | Crude Oil | Released: 6 BBL | Recovered: 5 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Fitting | Produced Water | Released: 5 BBL | Recovered: 5 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	A 3" Vic tee on a production header corroded and caused an 11 bbls mixed oil and produced water release into containment

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	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	*Unavailable.*
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.	

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: 06/18/2024

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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	Greater than 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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	4080
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3482.1
GRO+DRO (EPA SW-846 Method 8015M)	2770
BTEX (EPA SW-846 Method 8021B or 8260B)	0.4
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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.	
On what estimated date will the remediation commence	01/25/2024
On what date will (or did) the final sampling or liner inspection occur	02/01/2024
On what date will (or was) the remediation complete(d)	05/08/2024
What is the estimated surface area (in square feet) that will be reclaimed	535
What is the estimated volume (in cubic yards) that will be reclaimed	40
What is the estimated surface area (in square feet) that will be remediated	535
What is the estimated volume (in cubic yards) that will be remediated	40
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.	
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.	

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	LEA LAND LANDFILL [fEEM0112342028]
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.*
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 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: 06/18/2024
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.	

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**308862**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/31/2024**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**530**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
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	535
What was the total volume (cubic yards) remediated	40
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	535
What was the total volume (in cubic yards) reclaimed	40
Summarize any additional remediation activities not included by answers (above)	N/A

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 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: 06/18/2024

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355489
	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

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

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

CONDITIONS

Action 355489

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 355489
	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 #NAPP2235342254 ELECTRA FEDERAL BATTERY NORTH, thank you. This Remediation Closure Report is approved.	6/25/2024