

Spill Volume(Bbls) CalculatorInputs in *blue*, Outputs in *red*

Length(Ft)	Width(Ft)	Depth(In)
<u>105.000</u>	<u>50.000</u>	<u>4.500</u>
Cubic Feet Impacted		<u>1968.750</u>
Barrels		<u>350.62</u>
Soil Type		Clay
Bbls Assuming 100% Saturation		<u>35.06</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		35.10000

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)	105
Width (ft)	50
Depth (in)	4.500









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. nAPP2227029679

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:	35 bbls
		Volume Recovered:	30 bbls
Source of Release:	Line	Date of Release:	9/26/22
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	NMOCD
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	Federal
<p>A 4-inch steel line from inlet separator to the heater developed a hole releasing fluid. The leak was caused by internal corrosion.</p> <p>This leak happened on top of the previous two spills in this battery.</p>			

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)- Interlayered 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

NMOC 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	DRD	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

NMOC 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

NMOC 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

NMOC 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, nAPP2227029679, 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

Electra Fed Battery 32.853028,-103.958994

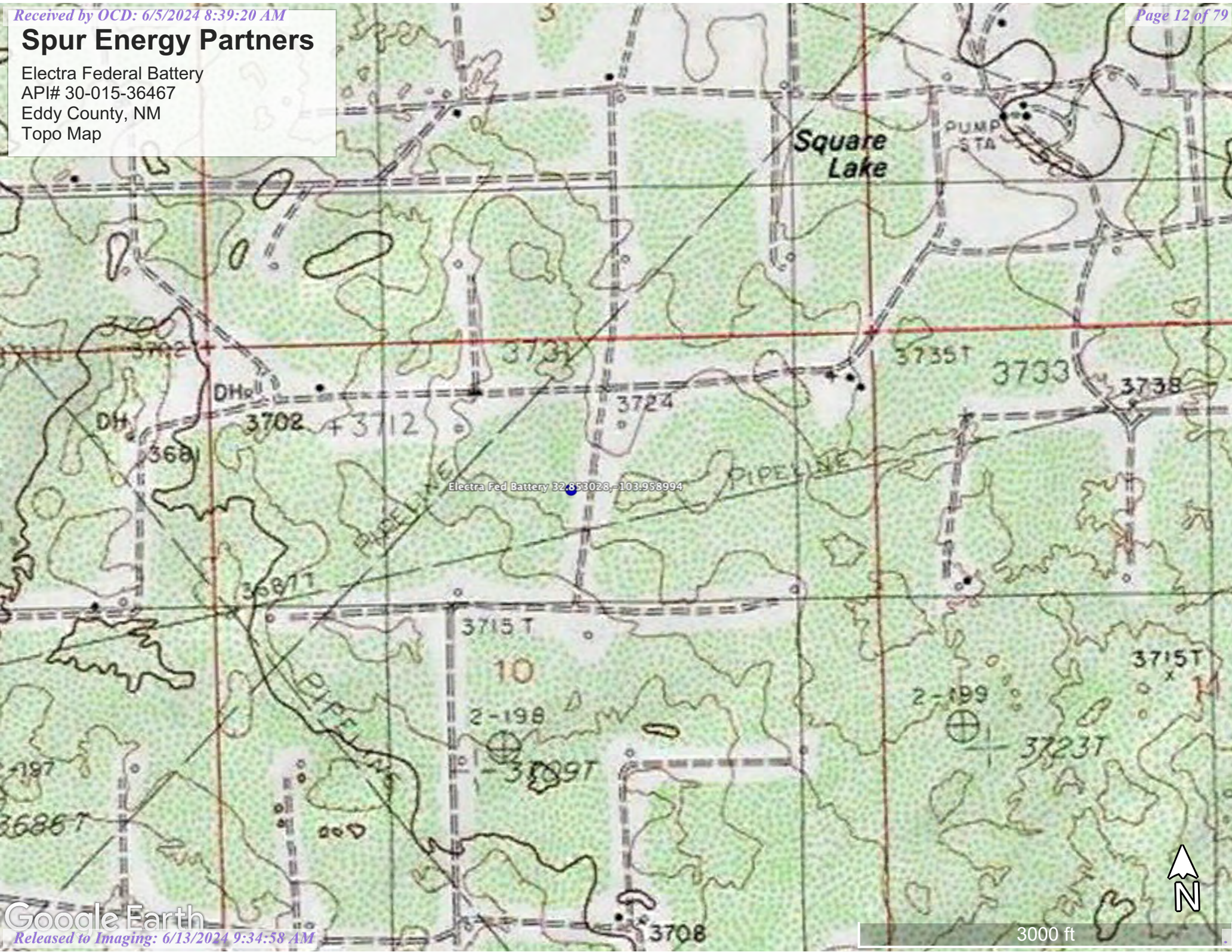
NSW-1 NSW-2
WSW-2 S-1 S-2 ESW-1
SSW-2 S-3
WSW-1 ESW-2
S-4 SSW-1



90 ft

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

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

Legend

- High
- Low
- Medium

Electra Fed Battery 32.853028,-103.958994

U.S. Hwy 82

Loco Hills

Lovington Hwy

221

220

220



3 mi

Google Earth

Spur Energy Partners

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

Electra Fed Battery 32.853028,-103.958994

U.S. Hwy 82

Loco Hills

Lovington Hwy

82

529



4 mi

Google Earth

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'

YALE ST 1 RA-13319 POD 1 TW-1 101'

Electra Fed Battery 32.853028, -103.958994



2000 ft



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	Tw	Rng	X	Y	Distance	Depth	Well	Depth	Water
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

UTM NAD83 Radius Search (in meters):

Easting (X): 597414.232

Northing (Y): 3635468.999

Radius: 3200

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

5/3/23 11:37 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



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,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

OSE DII AUG 23 2023 PM 2:00



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). RA-13319			
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 9655 Katy Freeway, Suite 500				CITY Houston	STATE TX	ZIP 77024	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 51	SECONDS 25.10	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LATITUDE	103	56	59.71	* 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. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 8/15/2023	DRILLING ENDED 8/15/2023	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 8/23/2023	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	101	±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				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)		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)
	FROM	TO				
	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	
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					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
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					
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: <div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div> Jackie D. Atkins DATE </div> </div>					

FOR USE 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):

050:PM 2023 AUG 29 10:50

- 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:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("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

QSE 011 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






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:	CBJCHBCAABAARJfnFA8sxeIWRMBRDy3khmxsOsOiYmlb

"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



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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

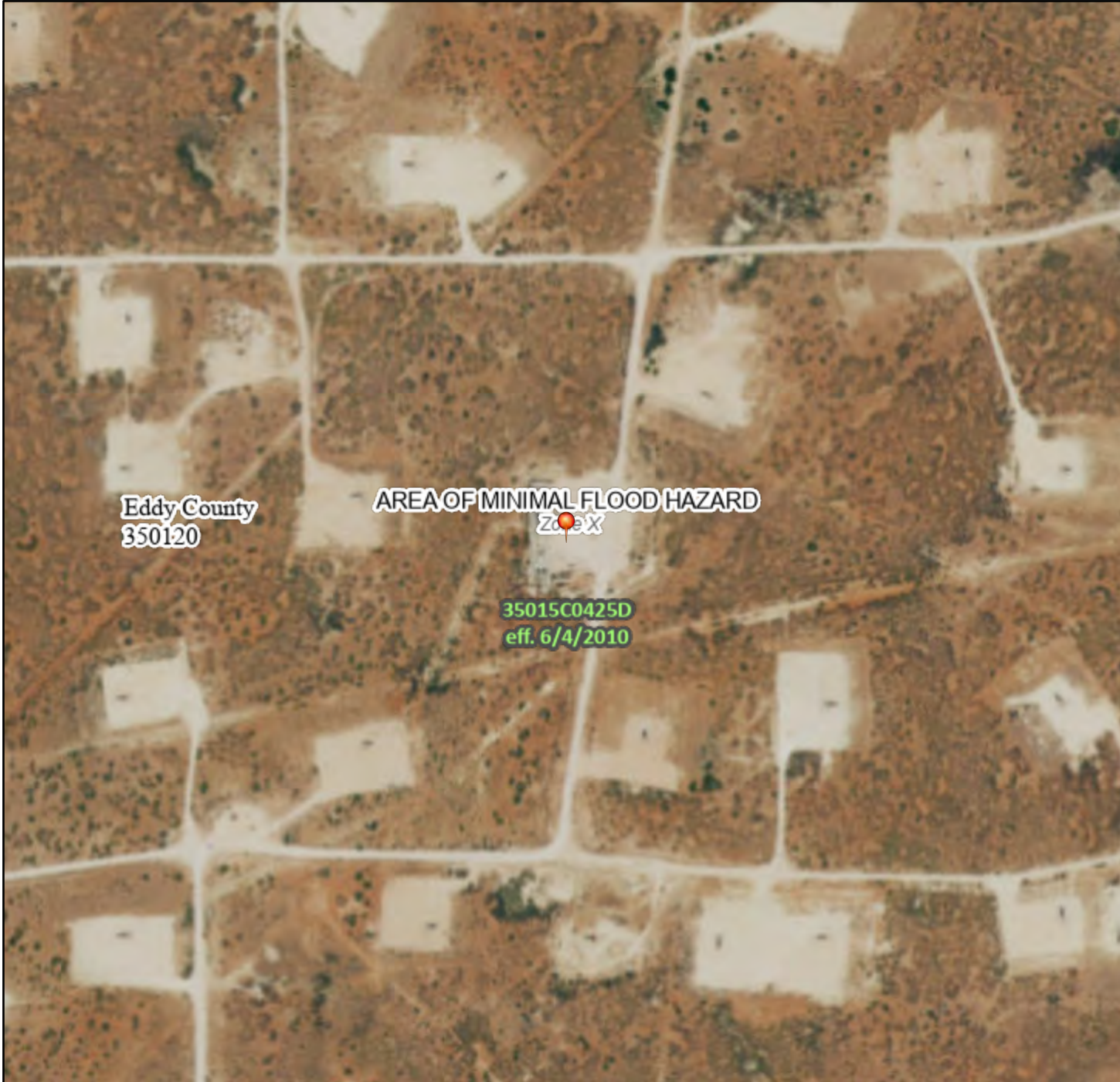
Survey Area Data: Version 18, Sep 8, 2022



National Flood Hazard Layer FIRMette



103°57'51"W 32°51'26"N



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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 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.



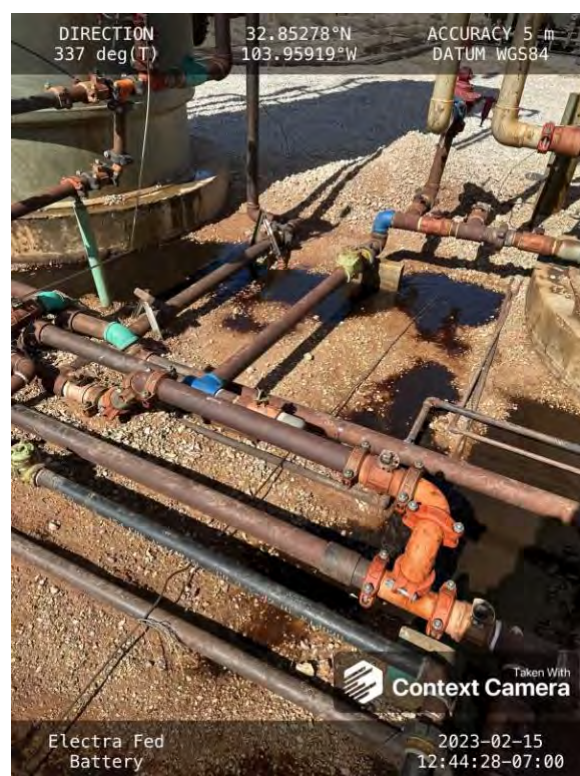
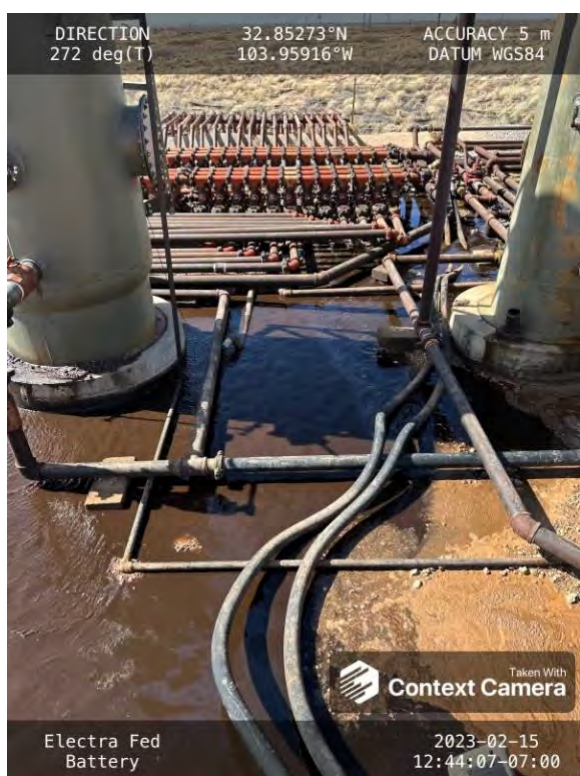
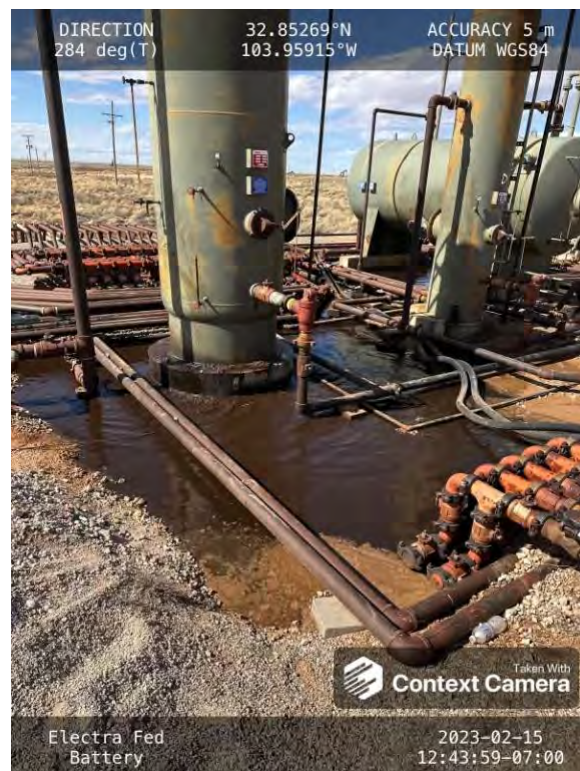
Appendix C:

Photographic Documentation

OCD Notification



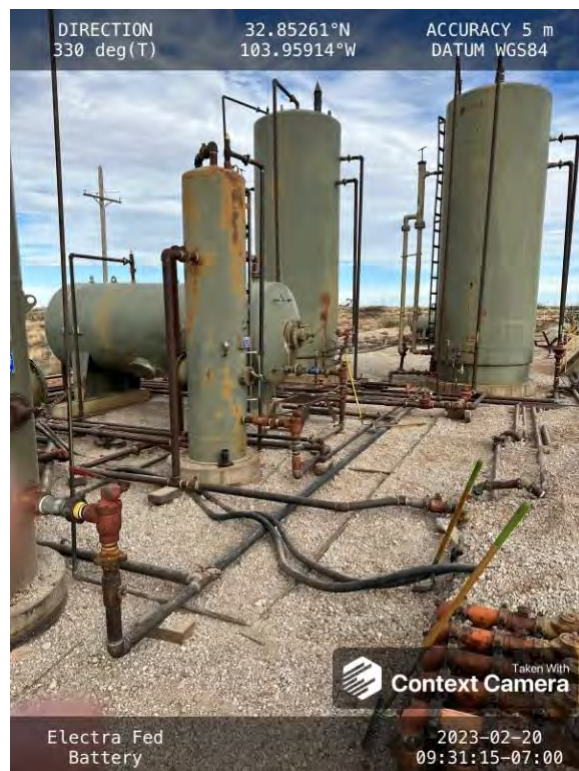
Photographic Documentation Incident Photos



During



Completed



Monday, February 5, 2024 at 09:58:38 Central Standard Time

Subject: The Oil Conservation Division (OCD) has accepted the application,
Application ID: 308870
Date: Monday, January 29, 2024 at 10:45:17 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#) nAPP2220727296.

The sampling event is expected to take place:

When: 01/31/2024 @ 09:30

Where: B-10-17S-30E 0 FNL 0 FEL (32.85299,-103.95895)

Additional Information: Angel Pena 575-602-0773

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



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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW 1' (H233131-05)

BTX 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 BTX	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<0.300	0.300	06/21/2023	ND					

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

Chloride, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/16/2023
Reported: 06/23/2023
Project Name: ELECTRA FED BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 06/15/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs

Phone #: 575-964-7814

State: NM

Zip: 88240

Fax #:

Project Owner: SPUR

City:

State:

Zip:

Phone #:

Fax #:

Company: SPUR

Attn: Bradley Walker

Address:

Project #: 575-964-7814

Project Name: Electrical Battery

Project Location: Eddy County

Sample Name: Levee, Hobbs

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					ACID/BASE:	ICE / COOL	OTHER :	TPH Ext	BTEX	Chlorides
1	S-1	1'																	
2	S-2	1'																	
3	S-3	1'																	
4	S-4	1'																	
5	NSW	1'																	
6	ESW	1'																	
7	SSW-1	1'																	
8	SSW-2	1'																	
9	USW-1	1'																	
10	USW-2	1'																	

Relinquished By: [Signature]

Relinquished By: [Signature]

Delivered By: (Circle One) #13

Sampler - UPS - Bus - Other: -49/-55%

DATE: 06/16/23

Time: 1410

Received By: [Signature]

REMARKS: Two results to Chris Jones

Phone Result: ☐ Yes ☐ No

Phone #:

ADD'l Phone #:

ADD'l Fax #:



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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/21/2024
Reported: 02/26/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager



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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/02/2024
Reported: 02/07/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/02/2024
Reported: 02/07/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/02/2024
Reported: 02/07/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene, Lab Director/Quality Manager



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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

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Analytical Results For:

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

Received: 02/02/2024
Reported: 02/07/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/02/2024
Reported: 02/07/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

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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
Reported: 02/07/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 02/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

 $\frac{1}{2}$

Company Name: Paragon Environmental Project Manager: Cason Spurlock Address: 5002 Carriage Rd City: Hobbs State: NM Zip: 88242 Phone #: 575-631-6977 Fax #: Project #: Project Owner: Spur Project Name: Electra Federal Battery Project Location: Eddy Sampler Name: Jeremy Maner FOR LAB USE ONLY				BILL TO P.O. #: Company: Spur Attn: Bradley Wolder Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST					
Lab I.D. H40515		Sample I.D.		DATE 02/01		TIME		TPH Ext		BTEX		Chlorides	
1 S-1 2'		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL	
2 S-2 2'		1		1		1		1		1		1	
3 S-3 2'		1		1		1		1		1		1	
4 S-4 2'		1		1		1		1		1		1	
5 NSW-1 2'		1		1		1		1		1		1	
6 NSW-2 2'		1		1		1		1		1		1	
7 ESW-1 2'		1		1		1		1		1		1	
8 ESW-2 2'		1		1		1		1		1		1	
9 SSW-1 2'		1		1		1		1		1		1	
10 SSW-2 2'		1		1		1		1		1		1	

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Relinquished By: J2.11.12		Date: 01/10/2		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By: [Signature]		Date: 12/31		Received By: [Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:		Email results to Chris Jones.	

Delivered By: (Circle One) 1.90c	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) [Signature]
Sampler - UPS - Bus - Other: #140	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) [Signature]

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

 $\frac{2}{2}$

Company Name: Paragon Environmental

Project Manager: Cason Spurlock

Address: 5002 Carriage Rd

City: Hobbs

Phone #: 575-631-6977

Project #:

State: NM

Zip: 88242

Attn: Bradley Molder

Address:

City:

State:

Zip:

P.O. #:

Company: Spur

Attn: Bradley Molder

Address:

City:

State:

Zip:

Project Name: Electric Federal Battery

Project Location: Eddy County

Sampler Name: Jeremy Mander

FOR LAB USE ONLY

Sample I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

11 WSW-1 2'

12 WSW-2 2'

1

07/01

1

1

1

TPH Ext

BTEX

Chlorides

Delivered By: (Circle One)

mpier - UPS - Bus - Other:

1.900

#140

Sample Condition

Cool

Intact

Yes

No

Yes

No

CHECKED BY:

(Initials)

104

Disinquired By:

Disinquired By:

Date:

Time:

Date:

Time:

Received By:

REMARKS:

Phone Result:

Fax Result:

Add'l Phone #:

Add'l Fax #:

Email results to Davis Jones



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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/10/2024
Reported: 05/16/2024
Project Name: ELECTRA FEDERAL BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY COUNTY

Sampling Date: 05/08/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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 350909

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	350909
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2227029679
Incident Name	NAPP2227029679 ELECTRA FED 33 NORTH BATTERY @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123842514] ELECTRA FEDERAL 33 (NORTH) TANK BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ELECTRA FED 33 NORTH BATTERY
Date Release Discovered	09/26/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release 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 Pipeline (Any) Crude Oil Released: 10 BBL Recovered: 8 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 25 BBL Recovered: 22 BBL Lost: 3 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)	Not answered.

District I

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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, Page 2

Action 350909

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	350909
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: 06/05/2024
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
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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, Page 3

Action 350909

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	350909
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
GRO+DRO	(EPA SW-846 Method 8015M)	2833.1
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.

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Phone:(505) 476-3470 Fax:(505) 476-3462

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QUESTIONS, Page 4
Action 350909

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 350909
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/05/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 350909

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 350909
	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

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QUESTIONS, Page 6

Action 350909

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	350909
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	350926
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/01/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	535

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: 06/05/2024
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QUESTIONS, Page 7

Action 350909

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 350909
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 350909

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 350909
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	6/13/2024