

Spill Volume(Bbls) Calculator*Inputs in blue, Outputs in red*

Length(Ft)	Width(Ft)	Depth(In)
<u>168.000</u>	<u>50.000</u>	<u>12.000</u>
Cubic Feet Impacted		<u>8400.000</u>
Barrels		<u>1495.99</u>
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		<u>224.40</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		224.40000

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)	168
Width (ft)	50
Depth (in)	12.000









June 24, 2024

NMOCD District 2
Mr. Mike Bratcher
Artesia, NM 88210

**Re: Site Assessment, Remediation, and Revised Deferral Request
Pawnee State Battery
GPS: Latitude 32.8358383 Longitude -103.9736481
UL "G", Sec. 16, T17S, R30E
Eddy County, NM
NMOCD Ref. No. NAPP2200270715**

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and remediation activities for the Release Site known as the Pawnee State Battery (Pawnee). Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil	Volume of Release:	225 bbls
		Volume Recovered:	210 bbls
Source of Release:	Circulating Line form Oil Tank	Date of Release:	01/02/22
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	Mike Bratcher, NMOCD
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	
<p>A valve froze during a winter storm and caused it to break. The valve broke on the suction side of the circulating pump where the sump drain line ties in allowing the tank to essentially drain. An estimated volume of 225 bbls of oil was released. Vacuum trucks were dispatched to aid in the recovery and were able to recover 210 bbls of the oil. The release occurred on the South section of the battery. The battery containment is divided into 2 sections, the North section has the tanks, and the South section is comprised of the separators, circulating pump, and header. The spill was contained within the South section of the battery and did not breach, see photos in Appendix C.</p>			

Topographical and Aerial Maps are provided as Figures #3 and #5.

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 75-100'
- 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- 1/2-1 mi
- A spring or a private domestic freshwater well used by less than 5 households for domestic or stock watering purposes- 1/2-1 mi
- Any other freshwater well or spring- 1/2-1 mi
- Incorporated municipal boundaries or a defined municipal freshwater well field- 1/2-1mi
- 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- Eolian and piedmont deposits (Holocene to middle Pleistocene)-Interlayed eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (QEP). The soil in this area is comprised of Kermit-Berino fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are excessively-drained. There is NOT a high potential for karst geology to be present around the Pawnee.

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure 4.

INITIAL SITE ASSESSMENT & SOIL SAMPLING EVENT

On January 6, 2022, Paragon conducted an initial site assessment. During the initial site assessment, four (4) soil samples were collected in an effort to determine the vertical extent of soil impact as well as background samples ensuring a breach from the containment had not occurred. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A table summarizing laboratory analytical results from soil samples collected during the above-stated activities is provided below:

1-6-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 82')								
Sample Date 1-6-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined ≤ 1,000 mg/kg			Closure Criteria ≤ 2,500 mg/kg	Closure Criteria ≤ 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	2	330	27	2280	3720	435	6435	16
	3	12.3	0.336	59.7	193	12.9	265.6	32
	4	ND	ND	ND	111	ND	111	16
S-2	2	881	114	7740	15600	2790	26130	32
	3	26.8	2.27	177	1100	377	1654	16
	4	34.9	1.04	319	1050	197	1566	32
BG-1	0	ND	ND	ND	60	ND	60	624
BG-2	0	ND	ND	ND	12.9	ND	12.9	48

ND-Analyte Not Detected

Laboratory analytical reports are provided in Appendix D. Site Map 1 and Site Map 2 is provided in Figures 1 & 2.

REMEDIAL ACTIVITIES

On January 19, 2022, Paragon mobilized personnel and equipment to conduct remedial activities. Based on the analytical results, site characteristics, and field observations made during the site assessment, the following remedial activities were conducted to advance the Release Site towards an NMOCD deferral:

- Utilizing mechanical equipment (backhoe), we dug 2 test holes in the section that was affected to obtain full representative delineation of the area. These samples were obtained on the north and south side of the South section of the battery. The results of the samples are in the following data table:

1-19-22 Test Hole Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 82')								
Sample Date 1-19-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined ≤ 1,000 mg/kg			Closure Criteria ≤ 2,500 mg/kg	Closure Criteria ≤ 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
N, TEST HOLE	5	ND	ND	ND	11.1	ND	11.1	48
	7	ND	ND	ND	22.6	ND	22.6	80
	10	ND	ND	ND	14.5	ND	14.5	288
S, TEST HOLE	5	ND	ND	ND	14	ND	14	16
	7	ND	ND	ND	ND	ND	ND	16
	10	ND	ND	ND	182	19	201	48
	12	ND	ND	ND	28.3	ND	28.3	32

ND-Analyte Not Detected

- We had to utilize a roustabout crew to excavate this section of the battery due to the infrastructure and piping making it unsafe to utilize mechanical equipment. The crew was able to remove 6 inches of the contamination and stained soils utilizing hand tools. The area measured approximately 2175 S/F and we removed approximately 40 C/Y of material. See Photographs in Appendix C.
- Excavated soils were temporarily stockpiled on-site atop a poly liner. They were then transported to Lea Land, an NMOCD-approved waste disposal facility.
- After receiving laboratory analytical results below the closure criteria, the excavated areas were backfilled with locally obtained “like” material. The affected area was then contoured and machine-compacted to match the surrounding grade.

INITIAL DENIAL NOTES AND RECTIFIED SAMPLES

This initial report was originally submitted on 12-13-22 and was denied by the OCD. In the notes, it was requested that the spill be delineated in increment samples of one foot or less and that the North and South test holes be sampled, showing the top 4 feet. On June 15, 2023, Paragon returned to the Pawnee to obtain additional samples as requested by the OCD. The results of those samples are in the following data table.

6-15-23 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 82')								
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 ≤ 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S. Test	0-6"	1.24	ND	15.5	794	188	997.5	48
	1'	34.7	ND	1280	5000	840	6280	80
	2'	ND	ND	ND	87.1	29.1	116.2	48
	3'	1.33	ND	12.5	122	13.4	147.9	32
	4'	ND	ND	ND	282	61.9	343.9	32
N. Test	0-6"	18.1	ND	524	7160	1280	8964	80
	1'	85.7	ND	945	5250	915	7110	64
	2'	3.8	ND	141	1380	272	1793	64
	3'	0.378	ND	ND	68	26.5	94.5	32
	4'	ND	ND	ND	115	10.7	125.7	32
S-2	5'	0.594	ND	ND	6970	2720	9690	32
	6'	ND	ND	ND	26.8	ND	26.8	32

ND- Analyte Not Detected

ADDITIONAL DENIAL NOTES AND RECTIFIED SAMPLES

Spur received requests for additional sampling in order to receive a deferral approval. Paragon submitted a sampling notification to the NMOCD. On March 13, 2024, Paragon returned to the site and obtained an additional two samples inside the previous spill area, along with four sidewall samples. The results of those samples are in the following data table.

3-13-24 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 82')								
Sample Date 3/12/24		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 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-3	0-6"	ND	ND	ND	ND	ND	ND	16
	1'	ND	ND	27.3	3330	1260	4617.3	32
	2'	0.667	ND	ND	3380	1320	4700	80
	3'	1.1	ND	333	6820	1750	8903	80
	4'	1.24	ND	701	9720	2620	13041	80
S-4	0-6"	ND	ND	12.5	351	65.5	429	224
	1'	74	ND	3110	22300	4100	29510	240
	2'	4.35	ND	107	1430	312	1849	64
	3'	ND	ND	ND	41.9	10.5	52.4	80
	4'	0.436	ND	10.1	124	12.5	146.6	64
NSW	0-6"	42.9	ND	1370	16900	3070	21340	96
	1'	11.9	ND	681	7650	1400	9731	48
	2'	43.9	ND	1180	8840	1600	11620	64
	3'	ND	ND	ND	40.2	ND	40.2	32
	4'	ND	ND	ND	78.9	ND	78.9	32
ESW	0-6"	6.24	ND	199	6420	1380	7999	32
	1'	84.4	ND	2090	9430	1580	13100	64
	2'	ND	ND	ND	165	18.8	183.8	32
	3'	ND	ND	ND	ND	ND	ND	32
	4'	ND	ND	ND	ND	ND	ND	32
SSW	0-6"	ND	ND	ND	12.5	ND	12.5	32
	1'	0.335	ND	69.5	1680	313	2062.5	48
	2'	ND	ND	ND	87.7	ND	87.7	32
	3'	ND	ND	ND	67.3	ND	67.3	32
	4'	ND	ND	ND	11.8	ND	11.8	48
WSW	0-6"	ND	ND	18	3290	940	4248	16
	1'	0.755	ND	264	4190	923	5377	16
	2'	1.29	ND	684	11100	2570	14354	112
	3'	1.55	ND	773	10500	2420	13693	96
	4'	0.368	ND	287	6030	1730	8047	80

ND- Analyte Not Detected

After reviewing the above data, it was decided to obtain additional horizontal sidewall samples outside the berms for delineation purposes. Another sampling notification was submitted to the NMOCD. The results of this sampling event are in the following data table. The sampling notification is attached in Appendix C.

5-13-24 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 82')								
Sample Date 5/13/24		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 10,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRD	MRO	Total TPH	CHLORIDES
NSW-1	0-6"	ND	ND	ND	ND	ND	ND	ND
	1'	ND	ND	ND	ND	ND	ND	1300
	2'	ND	ND	ND	ND	ND	ND	16
	3'	ND	ND	ND	ND	ND	ND	ND
	4'	ND	ND	ND	ND	ND	ND	128
ESW-1	0-6"	ND	ND	ND	ND	ND	ND	1300
	1'	ND	ND	ND	ND	ND	ND	384
	2'	ND	ND	ND	ND	ND	ND	112
	3'	ND	ND	ND	ND	ND	ND	96
	4'	ND	ND	ND	ND	ND	ND	160
SSW-1	0-6"	ND	ND	ND	ND	ND	ND	32
	1'	ND	ND	ND	ND	ND	ND	16
	2'	ND	ND	ND	ND	ND	ND	64
	3'	ND	ND	ND	ND	ND	ND	32
	4'	ND	ND	ND	ND	ND	ND	80
WSW-1	0-6"	ND	ND	ND	ND	ND	ND	16
	1'	ND	ND	ND	ND	ND	ND	16
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	32
	4'	ND	ND	ND	ND	ND	ND	16

ND- Analyte Not Detected

DEFERRAL REQUEST

We are requesting the following deferrals that would be consistent with sample results. We are requesting a deferral due to the imminent risk to human health and equipment damage for the following reasons:

- The infrastructure in this area makes it impossible to bring in equipment to dig this area up.
- The risk to human life could take place by hand digging the area around the infrastructure and it's collapse could be deadly if the ground around them gave way.

We drilled a well to determine DTW and it is at 83 feet BGS, there is little to no threat of groundwater being contaminated from the VOC's, as they are sitting at 5 feet and above at ground surface. There is clean material on top of this and not compromising any health hazards to human life. The contamination is also on pad and not affecting any vegetation in the pasture area.

S-1 and S-4 deferral to 3 feet BGS and extends the West Sidewall outside the berm. This area measures approximately 1169 S/F and will be approximately 130 C/Y.

S-2 and S-3 deferral to 6 feet BGS and extends the West Sidewall outside the berm. This area measures approximately 1270 S/F and will be approximately 282 C/Y.

After careful review, Paragon requests that this incident, NAPP2200270715, be deferred until this facility is plugged or abandoned or when the facilities equipment needs repairs and it is feasible to remove and bring in excavation equipment to dig the contamination out.

SPUR has complied with the applicable deferral requirements set forth on the C-141.

If you have any questions or if additional information is required, please feel free to contact Chris Jones by phone at 575-964-7814 or by email.

Respectfully,



Chris Jones
Environmental Professional
Paragon Environmental, LLC

Attachments

Figures:

- 1- Site Map 1
- 2- Site Map 2
- 3- Topographic Map
- 4- Karst Map
- 5- Aerial Map

Appendices:

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



Figures:

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

Spur Energy

Pawnee State Battery
API# 30-015-30591
Eddy County, NM
Site Map

Legend

- Hand Auger Samples
- Spill Area
- Test Hole

Pawnee State Battery

N. Test Hole

S-1

SG-2

S-2

S. Test Hole

BC-1



Spur Energy Partners

Pawnee State Battery
API# 30-015-30591
Eddy County, NM
Site Map 2

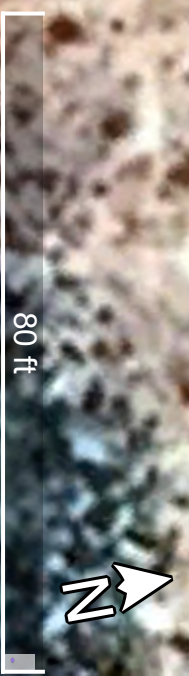
Legend

- Sample
- Spill Area
- Test Hole

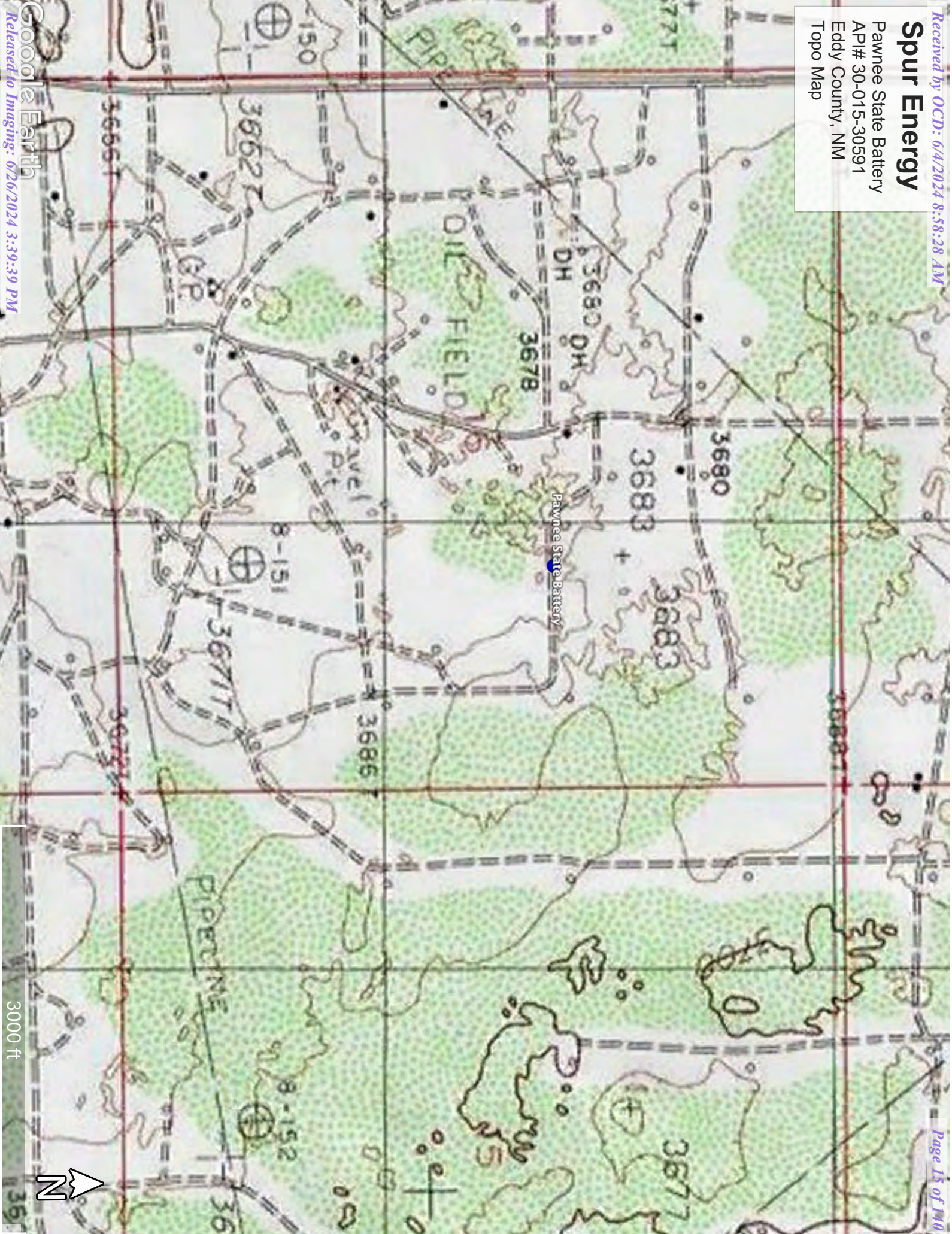
Pawnee State Battery



Google Earth



Pawnee State Battery
API# 30-015-30591
Eddy County, NM
Topo Map



Spur Energy

Pawnee State Battery
API# 30-015-30591
Eddy County, NM
Karst Map

- Legend**
- High
 - Low
 - Medium

Pawnee State Battery

Loco Hills

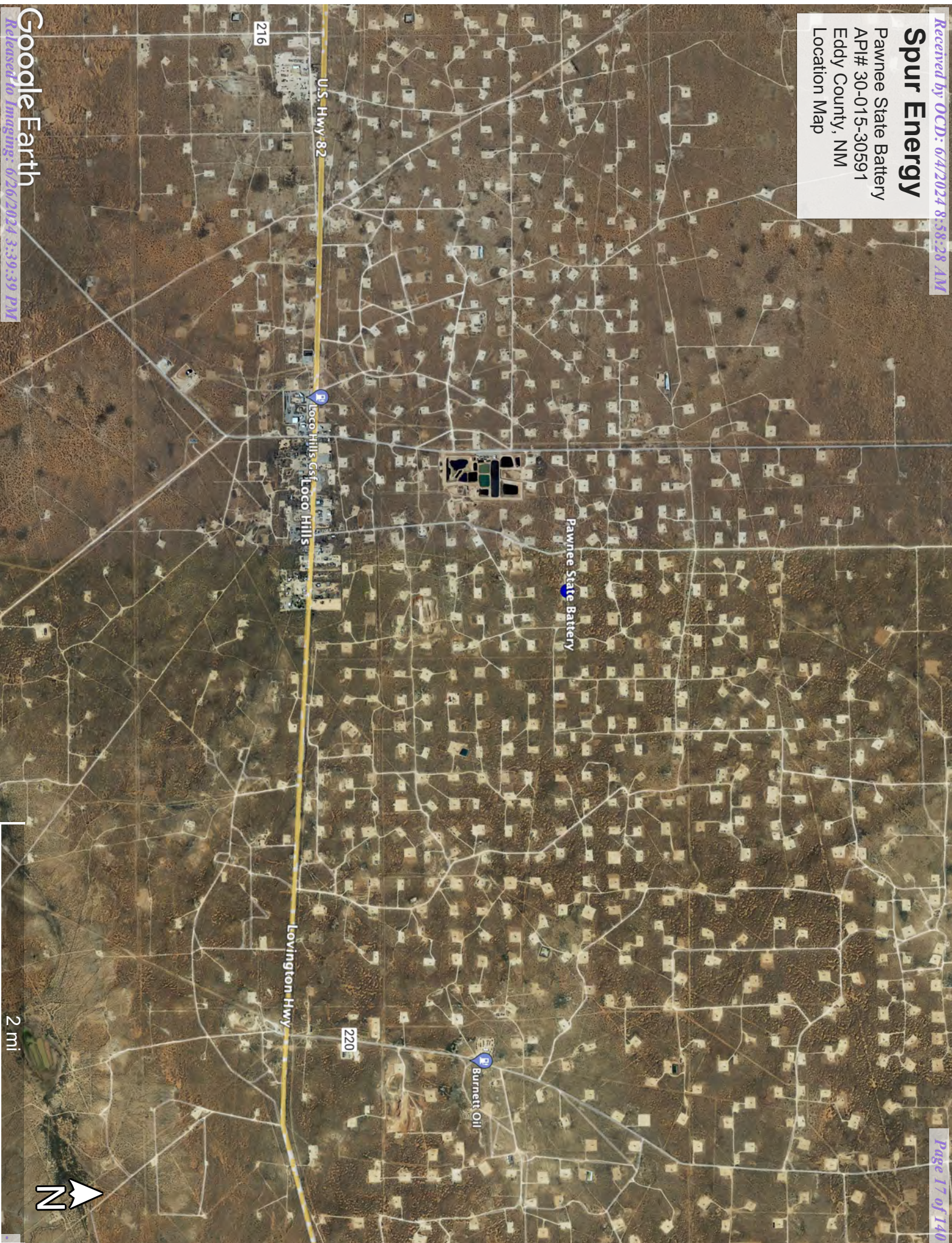


5 mi

Google Earth

Spur Energy

Pawnee State Battery
API# 30-015-30591
Eddy County, NM
Location Map

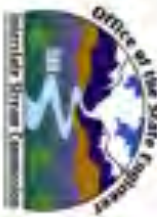




Appendix A
Referenced Water Data:

New Mexico State of Engineers Office

Atkins Engineering Drilling Report



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been
replaced,

O=orphaned,


C=the file is
closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD										Water Column				
	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y		Distance	Depth Well	Depth Water	
RA 11914 POD1	RA	ED	2	4	2	20	17S	30E	594801	3632002		2006	85	80	5

Average Depth to Water: 80 feet

Minimum Depth: 80 feet

Maximum Depth: 80 feet

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 596042.972

Northing (Y): 3633578

Radius: 2500

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.


2/14/22 11:22 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)										(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	RA 11914 POD1	2	4	2	20	17S	30E	594801	3632002		
Driller License:		1682		Driller Company:			HUNGRY HORSE, LLC.				
Driller Name:		JOHN NORRIS									
Drill Start Date:		03/19/2013		Drill Finish Date:		03/19/2013		Plug Date:			
Log File Date:		04/09/2013		PCW Rcv Date:				Source:		Shallow	
Pump Type:				Pipe Discharge Size:				Estimated Yield:			
Casing Size:				Depth Well:		85 feet		Depth Water:		80 feet	
Water Bearing Stratifications:				Top		Bottom		Description			
				11		85		Sandstone/Gravel/Conglomerate			

The data is furnished by the NM/OSE/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.



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

August 25, 2022

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record RA-13210 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-13210 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, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

USE DII AUG 29 2022 04:32
USE DII AUG 29 2022 04:32



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		WELL TAG ID NO. n/a		OSE FILE NO(S). RA-13210		
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 919 Milam St Ste 2475				CITY Houston	STATE TX	ZIP 77002
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 38	SECONDS 39.29	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE 104	26	57.69	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE SE Sec. 23 T19S R25E, 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 7/12/2022		DRILLING ENDED 7/12/2022		DEPTH OF COMPLETED WELL (FT) Soil Boring	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) ±82
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 83.7	DATE STATIC MEASURED 7/14/2022
	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) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 101		±6.5	Soil Boring	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT

USE DIT AUG 29 2022 11:33

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

1. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO		PAGE 2 OF 2



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13210

Well owner: Spur Energy Partners LLC

Phone No.: _____

Mailing address: 919 Milam St Ste 2475

City: Houston

State: _____

Texas

Zip code: 77002

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: 04/30/23

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

4) Date well plugging began: 7/14/2022 Date well plugging concluded: 7/14/2022

5) GPS Well Location: Latitude: 32 deg, 38 min, 39.29 sec
Longitude: 104 deg, 26 min, 57.69 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 90.7 ft below ground level (bgl),
by the following manner: weighted tape

7) Static water level measured at initiation of plugging: 83.7 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7/7/2022

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

OSE DIT AUG 29 2022 AM 8:33

- For each interval plugged, describe within the following columns:**

USE DTI AUG 29 2022 AM 8:33

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

8/25/2022

Date _____






WR-20 Well Record and Log-forsign

Final Audit Report

2022-08-25

Created:	2022-08-25
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAJ6VcU407X4_FSdugALz7uxTPNP-AS2g

"WR-20 Well Record and Log-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2022-08-25 - 4:57:56 PM GMT- IP address: 64.17.71.25
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-08-25 - 4:59:28 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2022-08-25 - 9:11:26 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-08-25 - 9:12:14 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2022-08-25 - 9:12:14 PM GMT

OSE DJT AUG 29 2022 08:33



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q

Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent

Berino and similar soils: 35 percent

Minor components: 15 percent

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

Description of Kermit

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand

H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R042XC005NM - Deep Sand

Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

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 50 inches: fine sandy loam
H3 - 50 to 58 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 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information





Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021













Legend




SEE THIS 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	 Area of Minimal Flood Hazard Zone X  Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	 Channel, Culvert, or Storm Sewer  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

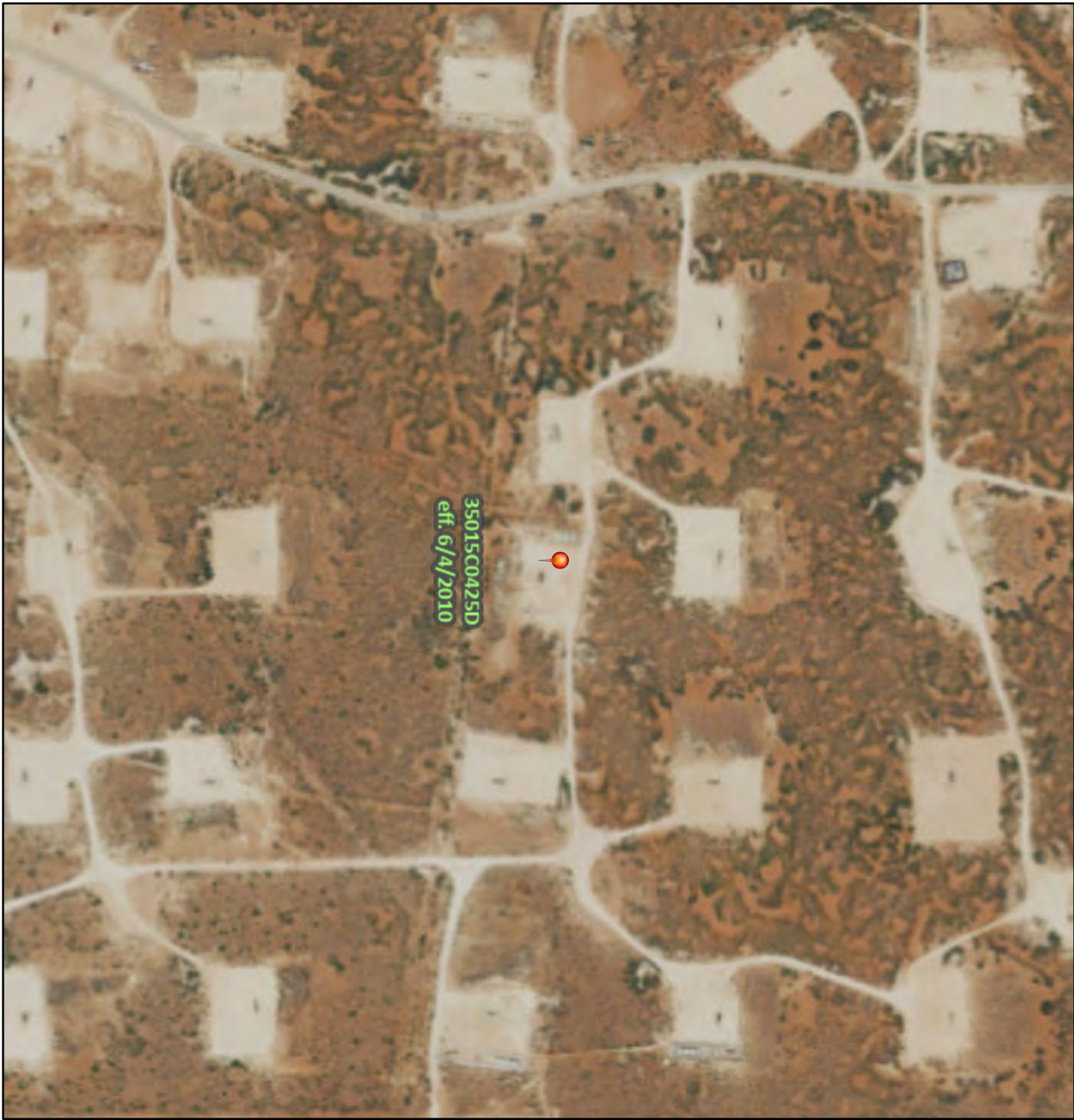
OTHER FEATURES	 Digital Data Available  No Digital Data Available  Unmapped
-----------------------	--

 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 2/14/2022 at 1:27 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 unmoderized areas cannot be used for regulatory purposes.





Appendix C:
NMOCD Notification
Photographic Documentation



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 321490

<OCDOnline@state.nm.us>

Fri, Mar 8 at 7:50 AM

To: <angel@paragonenvironmental.net>

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2200270715.

The sampling event is expected to take place:

When: 03/12/2024 @ 08:00

Where: G-16-17S-30E 2185 FNL 1600 FEL (32.8358383,-103.9736481)

Additional Information: Angel Pena
575-605-0773

Additional Instructions: Latitude 32.8358383 Longitude -103.9736481

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



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 342346

<OCDOnline@state.nm.us>

Thu, May 9 at 6:19 AM

To: <angel@paragonenvironmental.net>

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2200270715.

The sampling event is expected to take place:

When: 05/13/2024 @ 08:00

Where: G-16-17S-30E 2185 FNL 1600 FEL (32.8358383,-103.9736481)

Additional Information: Jeremy Maner
575-602-4231

Additional Instructions: 32.8358383,103.9736481

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



Photographic Documentation

Incident Photos



Excavation



Completed





Appendix D:
Laboratory Results



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

January 11, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: PAWNEE STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/07/22 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 2' (H220066-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	27.0	2.00	01/08/2022	ND	2.02	101	2.00	4.81	
Toluene*	113	2.00	01/08/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	85.9	2.00	01/08/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	104	6.00	01/08/2022	ND	5.81	96.8	6.00	3.13	
Total BTX	330	12.0	01/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/10/2022	ND	416	104	400	3.92	

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*	2280	50.0	01/07/2022	ND	206	103	200	10.1		
DRO >C10-C28*	3720	50.0	01/07/2022	ND	238	119	200	2.29		
EXT DRO >C28-C36	435	50.0	01/07/2022	ND						

Surrogate: 1-Chlorooctane 273 % 66.9-136

Surrogate: 1-Chlorooctadecane 235 % 59.5-142

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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 3' (H220066-02)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.336	0.050	01/10/2022	ND	2.02	101	2.00	4.81	
Toluene*	2.99	0.050	01/10/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	3.76	0.050	01/10/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	5.26	0.150	01/10/2022	ND	5.81	96.8	6.00	3.13	
Total BTEX	12.3	0.300	01/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/10/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	59.7	10.0	01/07/2022	ND	206	103	200	10.1	
DRO >C10-C28*	193	10.0	01/07/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	12.9	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 1' (H220066-03)

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	01/10/2022	ND	2.02	101	2.00	4.81	
Toluene*	0.074	0.050	01/10/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	0.057	0.050	01/10/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	<0.150	0.150	01/10/2022	ND	5.81	96.8	6.00	3.13	
Total BTEX	<0.300	0.300	01/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/10/2022	ND	416	104	400	3.92		

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	01/08/2022	ND	206	103	200	10.1	
DRO >C10-C28*	111	10.0	01/08/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	01/08/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 2' (H220066-04)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	114	2.00	01/08/2022	ND	2.02	101	2.00	4.81	
Toluene*	321	2.00	01/08/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	207	2.00	01/08/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	239	6.00	01/08/2022	ND	5.81	96.8	6.00	3.13	
Total BTEX	881	12.0	01/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/10/2022	ND	416	104	400	3.92		

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*	7740	100	01/08/2022	ND	206	103	200	10.1	
DRO >C10-C28*	15600	100	01/08/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	2790	100	01/08/2022	ND					

Surrogate: 1-Chlorooctane 499 % 66.9-136

Surrogate: 1-Chlorooctadecane 302 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 3' (H220066-05)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.27	0.050	01/07/2022	ND	2.02	101	2.00	4.81	
Toluene*	9.06	0.050	01/07/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	7.00	0.050	01/07/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	8.51	0.150	01/07/2022	ND	5.81	96.8	6.00	3.13	
Total BTEX	26.8	0.300	01/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/10/2022	ND	416	104	400	3.92		

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*	177	10.0	01/10/2022	ND	206	103	200	10.1	
DRO >C10-C28*	1100	10.0	01/10/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	377	10.0	01/10/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 153 % 59.5-142

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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 4' (H220066-06)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.04	0.200	01/07/2022	ND	2.02	101	2.00	4.81	
Toluene*	9.75	0.200	01/07/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	10.4	0.200	01/07/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	13.7	0.600	01/07/2022	ND	5.81	96.8	6.00	3.13	
Total BTEX	34.9	1.20	01/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/10/2022	ND	416	104	400	3.92		

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*	319	10.0	01/10/2022	ND	206	103	200	10.1	
DRO >C10-C28*	1050	10.0	01/10/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	197	10.0	01/10/2022	ND					

Surrogate: 1-Chlorooctane 140 % 66.9-136

Surrogate: 1-Chlorooctadecane 150 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG - 1 0' (H220066-07)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2022	ND	2.02	101	2.00	4.81	
Toluene*	<0.050	0.050	01/07/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.81	96.8	6.00	3.13	
Total BTEx	<0.300	0.300	01/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/10/2022	ND	416	104	400	3.92	

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	01/07/2022	ND	206	103	200	10.1	
DRO >C10-C28*	60.0	10.0	01/07/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/07/2022
 Reported: 01/11/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-5
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG - 2 0' (H220066-08)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2022	ND	2.02	101	2.00	4.81	
Toluene*	<0.050	0.050	01/07/2022	ND	1.96	98.1	2.00	4.34	
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.90	95.2	2.00	4.11	
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.81	96.8	6.00	3.13	
Total BTEx	<0.300	0.300	01/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/10/2022	ND	416	104	400	3.92	

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	01/07/2022	ND	206	103	200	10.1	
DRO >C10-C28*	12.9	10.0	01/07/2022	ND	238	119	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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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.
- 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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental

Project Manager: Cason Spurlock

Address: 5002 Carriage Rd

City: Hobbs

Phone #: 575-631-6977

Project #: 1-5

Project Name: Pavea St Battery

Project Location: Eddy Pn

Sample Name: Tree's Cell's

P.O. #:

Company: SPOL

Attn:

Address:

City:

State:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

123456

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BT Ex

TPH

Chlorides

1	S-1	2'	G			16-22	1200													
2	S-1	3'						1210												
3	S-1	4'						1220												
4	S-2	2'						1240												
5	S-2	3'						1250												
6	S-2	4'						1300												
7	BG-1	0'						1310												
8	BG-2	0'						1320												

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Relinquished By:

Date: 1-7-22

Received By:

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Relinquished By:

Date: 0840

Received By:

REMARKS:

Delivered By: (Circle One)

-0.46 C-0.52

Sample Condition Cool ☒ Intact ☐

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

-0.96 #113

☐ Yes ☐ No

VB



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

January 25, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: PAWNEE STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/19/22 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: N. TEST HOLE 5' (H220225-01)

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	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/22/2022	ND	416	104	400	3.92	

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	11.1	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.2 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: N. TEST HOLE 7' (H220225-02)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTX	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2022	ND	416	104	400	3.92		

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	22.6	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.4 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: N. TEST HOLE 10' (H220225-03)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEx	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/22/2022	ND	416	104	400	3.92		

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	14.5	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.8 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S. TEST HOLE 5' (H220225-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEx	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/22/2022	ND	416	104	400	3.92		

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	14.0	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 76.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.8 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S. TEST HOLE 7' (H220225-05)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEx	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/22/2022	ND	416	104	400	3.92		

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	<10.0	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S. TEST HOLE 10' (H220225-06)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEx	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/22/2022	ND	416	104	400	3.92		

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	182	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	19.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/19/2022
 Reported: 01/25/2022
 Project Name: PAWNEE STATE BATTERY
 Project Number: 1-7
 Project Location: SPUR - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S. TEST HOLE 12' (H220225-07)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/22/2022	ND	416	104	400	3.92	

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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	28.3	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental										BILL TO										ANALYSIS REQUEST																													
Project Manager: Cason Spurlock										P.O. #:																																							
Address: 5002 Carriage Rd										Company: <i>SPUR</i>																																							
City: Hobbs										Attn: <i>DARON NEEL</i>																																							
Phone #: 575-631-6977										Address:																																							
State: NM zip: 88242																																																	
Fax #:																																																	
Project #: 1-7										City:																																							
Project Owner: <i>SPUR</i>										State:																																							
Project Name: <i>Parma State Battery</i>										Zip:																																							
Project Location: <i>Eddy, NM</i>										Phone #:																																							
Sample Name: <i>Tavis Collins</i>										Fax #:																																							
FOR LAB USE ONLY										MATRIX										PRESERV										SAMPLING																			
Lab I.D. <i>5</i>										(G)RAB OR (C)OMP.																																							
<i>H20124</i>										# CONTAINERS																																							
										GROUNDWATER																																							
										WASTEWATER																																							
										SOIL																																							
										OIL																																							
										SLUDGE																																							
										OTHER :																																							
										ACID/BASE:																																							
										ICE / COOL																																							
										OTHER :																																							
Sample I.D.										DATE										TIME																													
1 <i>N. Test Hole</i>										5'										1-19-22										0900										TPH EXT									
2 <i>N. Test Hole</i>										7'																				0920										BTX									
3 <i>N. Test Hole</i>										10'																				0940										Chlorides									
4 <i>S. Test Hole</i>										5'																				1000																			
5 <i>S. Test Hole</i>										7'																				1010																			
6 <i>S. Test Hole</i>										10'																				1020																			
7 <i>S. Test Hole</i>										12'																				1040																			
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Delivered By: (Circle One) <i>5.33 C-D.5e</i>										Sample Condition <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No										CHECKED BY: <i>[Signature]</i>																													
Sampler - UPS - Bus - Other: <i>4.8e #113</i>																																																	

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



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

June 22, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: PAWNEE STATE 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - TEST 0-6" (H233130-01)

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	06/21/2023	ND	2.10	105	2.00	2.09	
Toluene*	<0.050	0.050	06/21/2023	ND	2.21	111	2.00	0.585	GC-NC1
Ethylbenzene*	0.360	0.050	06/21/2023	ND	2.28	114	2.00	1.02	
Total Xylenes*	0.878	0.150	06/21/2023	ND	6.70	112	6.00	1.01	GC-NC1
Total BTX	1.24	0.300	06/21/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	48.0	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*	15.5	10.0	06/21/2023	ND	165	82.5	200	4.35	QM-07
DRO >C10-C28*	794	10.0	06/21/2023	ND	166	82.8	200	3.00	QM-07
EXT DRO >C28-C36	188	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - TEST 1' (H233130-02)

BTEx 8021B		mg/kg	Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	06/22/2023	ND	2.10	105	2.00	2.09		
Toluene*	1.36	0.200	06/22/2023	ND	2.21	111	2.00	0.585	GC-NC1	
Ethylbenzene*	0.848	0.200	06/22/2023	ND	2.28	114	2.00	1.02		
Total Xylenes*	32.5	0.600	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1	
Total BTEX	34.7	1.20	06/22/2023	ND						GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	80.0	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*	1280	10.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	5000	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	840	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 217 % 48.2-134

Surrogate: 1-Chlorooctadecane 201 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - TEST 2' (H233130-03)

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	06/22/2023	ND	2.10	105	2.00	2.09	GC-NC1
Toluene*	<0.050	0.050	06/22/2023	ND	2.21	111	2.00	0.585	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.28	114	2.00	1.02	
Total Xylenes*	0.194	0.150	06/22/2023	ND	6.70	112	6.00	1.01	
Total BTEX	<0.300	0.300	06/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	48.0	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*	87.1	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	29.1	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 51.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.4 % 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: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - TEST 3' (H233130-04)

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	06/22/2023	ND	2.10	105	2.00	2.09		
Toluene*	0.073	0.050	06/22/2023	ND	2.21	111	2.00	0.585	GC-NC1	
Ethylbenzene*	0.081	0.050	06/22/2023	ND	2.28	114	2.00	1.02		
Total Xylenes*	1.18	0.150	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1	
Total BTEX	1.33	0.300	06/22/2023	ND						GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	32.0	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*	12.5	10.0	06/21/2023	ND	165	82.5	200	4.35		
DRO >C10-C28*	122	10.0	06/21/2023	ND	166	82.8	200	3.00		
EXT DRO >C28-C36	13.4	10.0	06/21/2023	ND						

Surrogate: 1-Chlorooctane 59.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.4 % 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: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - TEST 4' (H233130-05)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	2.09	
Toluene*	<0.050	0.050	06/22/2023	ND	2.21	111	2.00	0.585	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.28	114	2.00	1.02	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.70	112	6.00	1.01	
Total BTX	<0.300	0.300	06/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	32.0	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*	282	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	61.9	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: N - TEST 0-6" (H233130-06)

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	06/22/2023	ND	2.10	105	2.00	2.09	
Toluene*	0.407	0.100	06/22/2023	ND	2.21	111	2.00	0.585	GC-NC1
Ethylbenzene*	5.53	0.100	06/22/2023	ND	2.28	114	2.00	1.02	
Total Xylenes*	12.2	0.300	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1
Total BTEX	18.1	0.600	06/22/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 145 % 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	80.0	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*	524	10.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	7160	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	1280	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 151 % 48.2-134

Surrogate: 1-Chlorooctadecane 220 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: N - TEST 1' (H233130-07)

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/22/2023	ND	2.10	105	2.00	2.09	
Toluene*	1.83	0.200	06/22/2023	ND	2.21	111	2.00	0.585	GC-NC1
Ethylbenzene*	27.7	0.200	06/22/2023	ND	2.28	114	2.00	1.02	
Total Xylenes*	56.2	0.600	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1
Total BTEx	85.7	1.20	06/22/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 178 % 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	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*	945	10.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	5250	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	915	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 197 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: N - TEST 2' (H233130-08)

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	06/22/2023	ND	2.10	105	2.00	2.09		
Toluene*	<0.050	0.050	06/22/2023	ND	2.21	111	2.00	0.585		
Ethylbenzene*	1.05	0.050	06/22/2023	ND	2.28	114	2.00	1.02		
Total Xylenes*	2.76	0.150	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1	
Total BTEX	3.80	0.300	06/22/2023	ND						GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	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*	141	10.0	06/21/2023	ND	165	82.5	200	4.35	
DRO >C10-C28*	1380	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	272	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: N - TEST 3' (H233130-09)

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	06/22/2023	ND	2.10	105	2.00	2.09		
Toluene*	<0.050	0.050	06/22/2023	ND	2.21	111	2.00	0.585		
Ethylbenzene*	0.096	0.050	06/22/2023	ND	2.28	114	2.00	1.02		
Total Xylenes*	0.282	0.150	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1	
Total BTEX	0.378	0.300	06/22/2023	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	32.0	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*	68.0	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	26.5	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: N - TEST 4' (H233130-10)

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	06/22/2023	ND	2.10	105	2.00	2.09	
Toluene*	<0.050	0.050	06/22/2023	ND	2.21	111	2.00	0.585	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.28	114	2.00	1.02	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.70	112	6.00	1.01	
Total BTEX	<0.300	0.300	06/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	32.0	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*	115	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	10.7	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - 2 5' (H233130-11)

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	06/22/2023	ND	2.10	105	2.00	2.09		
Toluene*	<0.050	0.050	06/22/2023	ND	2.21	111	2.00	0.585		
Ethylbenzene*	0.125	0.050	06/22/2023	ND	2.28	114	2.00	1.02		
Total Xylenes*	0.469	0.150	06/22/2023	ND	6.70	112	6.00	1.01	GC-NC1	
Total BTX	0.594	0.300	06/22/2023	ND						GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	32.0	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*	<100	100	06/21/2023	ND	165	82.5	200	4.35		
DRO >C10-C28*	6970	100	06/21/2023	ND	166	82.8	200	3.00		
EXT DRO >C28-C36	2720	100	06/21/2023	ND						

Surrogate: 1-Chlorooctane 146 % 48.2-134

Surrogate: 1-Chlorooctadecane 218 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 06/16/2023
Reported: 06/22/2023
Project Name: PAWNEE STATE BATTERY
Project Number: 1-5
Project Location: SPUR - EDDY CO NM

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

Sample ID: S - 2 6' (H233130-12)

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	06/21/2023	ND	2.10	105	2.00	2.09		
Toluene*	<0.050	0.050	06/21/2023	ND	2.21	111	2.00	0.585		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.28	114	2.00	1.02		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.70	112	6.00	1.01		
Total BTEX	<0.300	0.300	06/21/2023	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	32.0	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*	26.8	10.0	06/21/2023	ND	166	82.8	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 137 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 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

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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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", 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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental
Project Manager: Chris Jones

P.O. #:

Address: 1601 N. Turner St., Ste 500

Company: *Spur*

City: Hobbs

State: NM Zip: 88240

Attn: *Buckley Walker*

Phone #: 575-964-7814

Fax #:

Address:

Project #:

Project Owner: *Spur*

City:

Project Name: *Turner State Brewery*

State:

Zip:

Project Location: *Turner County*

Phone #:

Sampler Name: *Markus Walker*

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

H233130

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH Ext.

BTEX

Chlorides

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Relinquished By:

Date: *6/16/23*

Received By:

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Relinquished By:

Date: *6/16/23*

Received By:

REMARKS:

Delivered By: (Circle One)

Sample Condition
☒ Cool ☐ Intact
☐ Yes ☐ No

CHECKED BY:
(Initials)

Sampler - UPS - Bus - Other:

-4.9c/-5.5c

☐ No ☐ No

40.

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

Email results to Chris Jones



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

March 18, 2024

CASON SPURLOCK

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: PAWNEE

Enclosed are the results of analyses for samples received by the laboratory on 03/12/24 16:15.

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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 0-6" (H241268-01)

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	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.03	101	6.00	7.62	
Total BTX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	16.0	16.0	03/14/2024	ND	432	108	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	03/14/2024	ND	183	91.7	200	6.61	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	204	102	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 1' (H241268-02)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	GC-NC
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.03	101	6.00	7.62	
Total BTX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 185 % 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	32.0	16.0	03/14/2024	ND	432	108	400	0.00	

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*	27.3	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	3330	10.0	03/13/2024	ND	215	108	200	6.96	QM-07
EXT DRO >C28-C36	1260	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 157 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 2' (H241268-03)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	GC-NC
Total Xylenes*	0.667	0.150	03/14/2024	ND	6.03	101	6.00	7.62	GC-NC1
Total BTEX	0.667	0.300	03/14/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 372 % 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	80.0	16.0	03/14/2024	ND	432	108	400	0.00	

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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	3380	50.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	1320	50.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 186 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 3' (H241268-04)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/15/2024	ND	2.05	103	2.00	7.48	GC-NC
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	1.10	0.150	03/15/2024	ND	6.03	101	6.00	7.62	GC-NC1
Total BTEX	1.10	0.300	03/15/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 427 % 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	80.0	16.0	03/14/2024	ND	432	108	400	0.00	

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*	333	50.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	6820	50.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	1750	50.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 172 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 4' (H241268-05)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/15/2024	ND	2.05	103	2.00	7.48	GC-NC
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	1.24	0.150	03/15/2024	ND	6.03	101	6.00	7.62	GC-NC1
Total BTEx	1.24	0.300	03/15/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 453 % 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	80.0	16.0	03/14/2024	ND	432	108	400	0.00	

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*	701	50.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	9720	50.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	2620	50.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 206 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 0-6" (H241268-06)

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	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	0.170	0.150	03/14/2024	ND	6.03	101	6.00	7.62	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	03/14/2024	ND	432	108	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*	12.5	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	351	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	65.5	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 1' (H241268-07)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/15/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.500	0.500	03/15/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	17.2	0.500	03/15/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	56.7	1.50	03/15/2024	ND	6.03	101	6.00	7.62	
Total BTEX	74.0	3.00	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 189 % 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	240	16.0	03/14/2024	ND	448	112	400	3.64	

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*	3110	50.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	22300	50.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	4100	50.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 292 % 48.2-134

Surrogate: 1-Chlorooctadecane 316 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 2' (H241268-08)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	0.861	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	3.48	0.150	03/14/2024	ND	6.03	101	6.00	7.62	
Total BTEX	4.35	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 204 % 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	64.0	16.0	03/14/2024	ND	448	112	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*	107	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	1430	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	312	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 3' (H241268-09)

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	03/14/2024	ND	2.07	103	2.00	7.21		
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.03	101	6.00	7.62		
Total BTEx	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	41.9	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	10.5	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 4' (H241268-10)

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	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	0.085	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	0.352	0.150	03/14/2024	ND	6.03	101	6.00	7.62	
Total BTEX	0.436	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	64.0	16.0	03/14/2024	ND	448	112	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*	10.1	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	124	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	12.5	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 0-6" (H241268-11)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/15/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.200	0.200	03/15/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	11.2	0.200	03/15/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	31.7	0.600	03/15/2024	ND	6.03	101	6.00	7.62	
Total BTEX	42.9	1.20	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 201 % 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	96.0	16.0	03/14/2024	ND	448	112	400	3.64	

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*	1370	50.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	16900	50.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	3070	50.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 161 % 48.2-134

Surrogate: 1-Chlorooctadecane 263 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 1' (H241268-12)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.050	0.050	03/14/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	2.52	0.050	03/14/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	9.41	0.150	03/14/2024	ND	6.03	101	6.00	7.62	
Total BTEX	11.9	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 261 % 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	48.0	16.0	03/14/2024	ND	448	112	400	3.64	

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*	681	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	7650	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	1400	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 195 % 48.2-134

Surrogate: 1-Chlorooctadecane 165 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 2' (H241268-13)

BTEX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/15/2024	ND	2.07	103	2.00	7.21	
Toluene*	<0.200	0.200	03/15/2024	ND	2.05	103	2.00	7.48	
Ethylbenzene*	10.8	0.200	03/15/2024	ND	1.98	99.2	2.00	7.59	
Total Xylenes*	33.1	0.600	03/15/2024	ND	6.03	101	6.00	7.62	
Total BTEX	43.9	1.20	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 221 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/14/2024	ND	448	112	400	3.64	

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*	1180	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	8840	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	1600	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 239 % 48.2-134

Surrogate: 1-Chlorooctadecane 179 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 3' (H241268-14)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24		
Total BTEx	<0.300	0.300	03/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	40.2	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 4' (H241268-15)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24		
Total BTEx	<0.300	0.300	03/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	78.9	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 0-6" (H241268-16)

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	03/14/2024	ND	2.01	101	2.00	1.66	
Toluene*	0.280	0.050	03/14/2024	ND	2.01	101	2.00	1.54	
Ethylbenzene*	1.24	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16	
Total Xylenes*	4.72	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	
Total BTEX	6.24	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	32.0	16.0	03/14/2024	ND	448	112	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*	199	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	6420	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	1380	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 1' (H241268-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	03/15/2024	ND	2.01	101	2.00	1.66		
Toluene*	3.61	0.500	03/15/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	24.4	0.500	03/15/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	56.4	1.50	03/15/2024	ND	5.90	98.4	6.00	1.24		
Total BTEX	84.4	3.00	03/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	64.0	16.0	03/14/2024	ND	448	112	400	3.64		

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*	2090	10.0	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	9430	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	1580	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 181 % 48.2-134

Surrogate: 1-Chlorooctadecane 189 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 2' (H241268-18)

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	03/15/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/15/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/15/2024	ND	5.90	98.4	6.00	1.24		
Total BTEx	<0.300	0.300	03/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	165	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	18.8	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 3' (H241268-19)

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	03/15/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/15/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/15/2024	ND	5.90	98.4	6.00	1.24		
Total BTEx	<0.300	0.300	03/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 4' (H241268-20)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24		
Total BTEx	<0.300	0.300	03/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 0-6" (H241268-21)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	217	108	200	4.48	
DRO >C10-C28*	12.5	10.0	03/13/2024	ND	215	108	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 1' (H241268-22)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	0.335	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	GC-NC1	
Total BTEX	0.335	0.300	03/14/2024	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	48.0	16.0	03/14/2024	ND	448	112	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*	69.5	10.0	03/14/2024	ND	183	91.7	200	6.61	
DRO >C10-C28*	1680	10.0	03/14/2024	ND	204	102	200	1.32	
EXT DRO >C28-C36	313	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 2' (H241268-23)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	87.7	10.0	03/13/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 3' (H241268-24)

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	03/14/2024	ND	2.01	101	2.00	1.66		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24		
Total BTEx	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	67.3	10.0	03/13/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 4' (H241268-25)

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	03/14/2024	ND	2.01	101	2.00	1.66	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	
Total BTEx	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/14/2024	ND	448	112	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	03/13/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	11.8	10.0	03/13/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 0-6" (H241268-26)

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	03/14/2024	ND	2.01	101	2.00	1.66	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	16.0	16.0	03/14/2024	ND	448	112	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*	18.0	10.0	03/14/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	3290	10.0	03/14/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	940	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 1' (H241268-27)

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	03/14/2024	ND	2.01	101	2.00	1.66	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54	GC-NC
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16	GC-NC
Total Xylenes*	0.755	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	GC-NC1
Total BTEX	0.755	0.300	03/14/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	16.0	16.0	03/14/2024	ND	432	108	400	0.00		

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*	264	50.0	03/14/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	4190	50.0	03/14/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	923	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 2' (H241268-28)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.01	101	2.00	1.66	
Toluene*	<0.050	0.050	03/15/2024	ND	2.01	101	2.00	1.54	GC-NC
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	1.97	98.6	2.00	1.16	
Total Xylenes*	1.29	0.150	03/15/2024	ND	5.90	98.4	6.00	1.24	GC-NC1
Total BTEX	1.29	0.300	03/15/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 157 % 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	03/14/2024	ND	432	108	400	0.00	

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*	684	50.0	03/14/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	11100	50.0	03/14/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	2570	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 141 % 48.2-134

Surrogate: 1-Chlorooctadecane 249 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 3' (H241268-29)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.66	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54	GC-NC
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16	GC-NC
Total Xylenes*	1.55	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	GC-NC1
Total BTX	1.55	0.300	03/14/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 147 % 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	96.0	16.0	03/14/2024	ND	432	108	400	0.00	

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*	773	50.0	03/14/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	10500	50.0	03/14/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	2420	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 142 % 48.2-134

Surrogate: 1-Chlorooctadecane 172 % 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
 CASON SPURLOCK
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2024
 Reported: 03/18/2024
 Project Name: PAWNEE
 Project Number: NONE GIVEN
 Project Location: SPUR-EDDY

Sampling Date: 03/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 4' (H241268-30)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.66	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	101	2.00	1.54	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.97	98.6	2.00	1.16	GC-NC
Total Xylenes*	0.368	0.150	03/14/2024	ND	5.90	98.4	6.00	1.24	GC-NC1
Total BTX	0.368	0.300	03/14/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 141 % 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	80.0	16.0	03/14/2024	ND	432	108	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*	287	50.0	03/14/2024	ND	200	99.8	200	0.905	
DRO >C10-C28*	6030	50.0	03/14/2024	ND	205	103	200	0.652	
EXT DRO >C28-C36	1730	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: *Parade*
Project Location: *Edley*
Sampler Name: *Deveny Moore*

BILL TO
P.O. #:
Company: *Spur*
Attn: *Brady*
Address:
City:
State: **Zip:**
Phone #:
Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH Ext	BTEX	Chlorides	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:						ICE / COOL
<i>H241268</i>																
<i>11</i>	<i>NSW</i>	<i>0.6"</i>														
<i>12</i>	<i>NSW</i>	<i>1'</i>														
<i>13</i>	<i>NSW</i>	<i>2'</i>														
<i>14</i>	<i>NSW</i>	<i>3'</i>														
<i>15</i>	<i>NSW</i>	<i>4'</i>														
<i>16</i>	<i>ESW</i>	<i>0.6"</i>														
<i>17</i>	<i>ESW</i>	<i>1'</i>														
<i>18</i>	<i>ESW</i>	<i>2'</i>														
<i>19</i>	<i>ESW</i>	<i>3'</i>														
<i>20</i>	<i>ESW</i>	<i>4'</i>														

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Relinquished By: *J. P. Nicks* **Date:** *03/12* **Received By:** *Stoddard*

Relinquished By: *J. P. Nicks* **Date:** *03/12* **Received By:** *Stoddard*

Delivered By: (Circle One) *4.9c* **Sample Condition** **CHECKED BY:** *SP*

Sampler - UPS - Bus - Other: *4.9c* **Cool** ☒ **Intact** ☒ **Yes** ☐ **No** ☐ **No**

REMARKS: *Email results to Chris Jones*

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



† Cardinal

ANALYSIS REQUEST

Fax #

PRESERV.	SAMPLING
----------	----------

† Cardinal

TPH Ex 1
BTEX
Chlorides

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

Email results to Chris Jones



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

May 20, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: PAWNEE

Enclosed are the results of analyses for samples received by the laboratory on 05/14/24 13:20.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 0-6" (H242636-01)

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	1.87	93.7	2.00	3.63		
Toluene*	<0.050	0.050	05/15/2024	ND	1.91	95.5	2.00	4.34		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.7	2.00	4.33		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.94	99.0	6.00	4.67		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	05/16/2024	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 1' (H242636-02)

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	05/15/2024	ND	1.87	93.7	2.00	3.63		
Toluene*	<0.050	0.050	05/15/2024	ND	1.91	95.5	2.00	4.34		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.7	2.00	4.33		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.94	99.0	6.00	4.67		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	05/16/2024	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 2' (H242636-03)

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	05/15/2024	ND	1.87	93.7	2.00	3.63		
Toluene*	<0.050	0.050	05/15/2024	ND	1.91	95.5	2.00	4.34		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.7	2.00	4.33		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.94	99.0	6.00	4.67		
Total BTX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	16.0	16.0	05/16/2024	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 3' (H242636-04)

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	05/15/2024	ND	1.87	93.7	2.00	3.63		
Toluene*	<0.050	0.050	05/15/2024	ND	1.91	95.5	2.00	4.34		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.89	94.7	2.00	4.33		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.94	99.0	6.00	4.67		
Total BTEx	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/16/2024	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 4' (H242636-05)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTEx	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	128	16.0	05/16/2024	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 0-6" (H242636-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1300	16.0	05/16/2024	ND	432	108	400	0.00	QM-07	

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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 1' (H242636-07)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	384	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 2' (H242636-08)

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	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTEx	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	112	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 3' (H242636-09)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTEx	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	96.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 4' (H242636-10)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 0-6" (H242636-11)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 1' (H242636-12)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	16.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 2' (H242636-13)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	184	91.9	200	0.951	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	180	90.2	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 3' (H242636-14)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	32.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 4' (H242636-15)

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	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	80.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 0-6" (H242636-16)

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	05/16/2024	ND	1.97	98.7	2.00	8.01	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	16.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 1' (H242636-17)

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	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	16.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 2' (H242636-18)

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	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 3' (H242636-19)

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	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 05/14/2024
Reported: 05/20/2024
Project Name: PAWNEE
Project Number: NONE GIVEN
Project Location: SPUR-EDDY

Sampling Date: 05/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 4' (H242636-20)

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	05/16/2024	ND	1.97	98.7	2.00	8.01		
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	100	2.00	7.31		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.98	98.8	2.00	7.66		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.22	104	6.00	7.70		
Total BTX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	16.0	16.0	05/16/2024	ND	432	108	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	05/15/2024	ND	189	94.5	200	0.623	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	203	102	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		P.O. #:		BILL TO																																			
Project Manager: Chris Jones		Company: Spur		ANALYSIS REQUEST																																			
Address: 1601 N. Turner St., Ste 500		Attn: Brady Moulder																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #: 575-964-7814		State:																																					
Project #:		Zip:																																					
Project Name: Fairview		Phone #:																																					
Project Location: Eddy		Fax #:																																					
Sampler Name: Jeremy W. Wainwright																																							
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chlorides									
H242636		NSW-1 0-6"		0																						05/13				TPH Ext.									
1		1'																												BTEX									
2		2'																																					
3		3'																																					
4		4'																																					
5		ESW-1 0-6"																																					
6		1'																																					
7		2'																																					
8		3'																																					
9		4'																																					
10		4'																																					
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Relinquished By: JS.wlk		Date: 05/14		Received By: Spencer Wainwright		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS:																									
Relinquished By:		Date:		Received By:		Phone Result:		Add'l Phone #:		Fax Result:		Add'l Fax #:																											
Time:		Time:		Time:		Time:		Time:		Time:		Time:																											
Delivered By: (Circle One)		Sample Condition:		CHECKED BY: (Initials)																																			
Sampler - UPS - Bus - Other: -1.1c		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		a.j.																																			
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																					
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		P.O. #:		BILL TO																																					
Project Manager: Chris Jones		Company: Spv		ANALYSIS REQUEST																																					
Address: 1601 N. Turner St., Ste 500		Attn: Bradley Weller																																							
City: Hobbs		Address:																																							
Phone #: 575-964-7814		Fax #:																																							
Project #:		City:																																							
Project Name: Pauline		State:																																							
Project Location: Edly		Zip:																																							
Sampler Name: Jeremy Weller		Phone #:																																							
FOR LAB USE ONLY		Fax #:																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
H242636		S20-1		0.6"		C																				05/13				Alkanides											
11		1'																												TPH Ext.											
12		2'																												BTEX											
13		3'																																							
14		4'																																							
15		WSL-1		0.6"																																					
16		1'																																							
17		2'																																							
18		3'																																							
19		4'																																							
20																																									
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Relinquished By:		Date: 05/14		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS:																											
Relinquished By: [Signature]		Time: 1300		Received By: [Signature]																																					
Time:																																									
Delivered By: (Circle One)		#140		Sample Condition		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		CHECKED BY: (Initials)																																	
Sampler - UPS - Bus - Other:		- 1.1c		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		[Signature]																																	

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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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

Action 350577

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 350577
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2200270715
Incident Name	NAPP2200270715 PAWNEE STATE BATTERY @ 30-015-30591
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-015-30591] PAWNEE STATE #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PAWNEE STATE BATTERY
Date Release Discovered	01/02/2022
Surface Owner	State

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

Nature and Volume of Release	
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: Equipment Failure Valve Crude Oil Released: 225 BBL Recovered: 210 BBL Lost: 15 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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.

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QUESTIONS, Page 2

Action 350577

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	350577
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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: 06/04/2024
--	--

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QUESTIONS, Page 3

Action 350577

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	350577
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

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 75 and 100 (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 ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (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)	1300
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	29510
GRO+DRO	(EPA SW-846 Method 8015M)	25410
BTEX	(EPA SW-846 Method 8021B or 8260B)	881
Benzene	(EPA SW-846 Method 8021B or 8260B)	114

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	01/19/2022
On what date will (or did) the final sampling or liner inspection occur	05/13/2024
On what date will (or was) the remediation complete(d)	01/19/2022
What is the estimated surface area (in square feet) that will be reclaimed	800
What is the estimated volume (in cubic yards) that will be reclaimed	120
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	15

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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QUESTIONS, Page 4

Action 350577

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	350577
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/04/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240
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District II

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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
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 5

Action 350577

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	350577
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	THE RELEASE IS DIRECTLY BELOW MULTIPLE TANKS AND LINES BEING UTILIZED FOR PRODUCTION ACTIVITIES IT WOULD NOT BE SAFE FOR DIGGING UP AS THE AREA IS IN USE
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	800
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	120
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-30591 PAWNEE STATE #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/04/2024

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QUESTIONS, Page 6

Action 350577

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	350577
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	342346
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2024
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	1750

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	No
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CONDITIONS

Action 350577

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 350577
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Deferral Approved. Per the approved deferral request sample areas S-1 and S-4 to 3' bgs and extends the west sidewall outside the berm as well as S-2 and S-3 to 6' bgs and extends the west sidewall outside the berm have been delineated and not compromising any health hazards to human life or affecting vegetation in the pasture area. The deferral is approved per Remediation requirements in Table I of 19.15.29 NMAC and that Reclamation of area's not reasonably needed for production operations or for subsequent drilling operations has also been completed. Additional reclamation of the delineated area of the lease road is not required until the road is permanently abandoned.	6/26/2024