

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

Length(Ft)	Width(Ft)	Depth(In)
100.000	50.000	3.500
Cubic Feet Impacted		1458.333
Barrels		259.72
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		38.96
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		39.00000

Instructions

1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

Measurements

Length (ft)	100
Width (ft)	50
Depth (in)	3.500









February 26, 2024

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, Reclamation and Closure Report
State S 19 #6
API No. 30-015-32502
GPS: Latitude 32.8173943 Longitude -104.1131287
U/L "J", Sec. 19, T17S, R29E
Eddy County, NM
NMOCD Ref. No. NAPP2200154337

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities, and reclaim the old containment area for the release site known as the State S 19 #6. Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	39 bbls
		Volume Recovered:	35 bbls
Source of Release:	Valve	Date of Release:	12/31/21
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	NOR
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	State
Equipment failure of a valve resulted in the release of produced water.			

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

REGULATORY FRAMEWORK

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:

Site Characteristics	
Approximate Depth to Groundwater	102'
Within 330 ft. of any continuously flowing or significant watercourse?	NO
Within 200 ft. of any lakebed, sinkhole, or playa lake?	NO
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	NO
Within 500 ft. of a spring, or private, domestic fresh water well?	NO
Within 1000 ft. of any fresh water well?	NO
Within the incorporated municipal boundaries or within a municipal well field?	NO
Within 300 ft. of a wetland?	NO
Within the area overlying a subsurface mine?	NO
Within an unstable area such as Karst?	NO
Within a 100-year floodplain?	NO

A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average groundwater depth within one (1) Mile radius of the Release Site and identify any registered water wells within ½ Mile of the Release Site. The data initially found on the State Engineers website showed there was no water data within a ½ mile radius. Spur decided to drill a borehole in the area to determine groundwater depth. OSE file RA-13395 was recorded to the State Engineers Office.

Depth to groundwater information is provided in Appendix A.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- and is made up of Eolian and piedmont deposits (Holocene to middle Pleistocene)— Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (QEP). According to the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Simona Gravelly Fine Sandy Loam, with 0 to 3 percent slopes. The drainage courses in this area are well-drained. There is no high potential for karst geology around the State S 19 #6 (Figure #3).

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

TABLE I CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE			
	Constituent	Method	Limit
102 Feet	Chloride	EPA 300.0	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

INITIAL SITE ASSESSMENT & SOIL SAMPLING EVENT

On November 27, 2023, Paragon conducted an initial site assessment. 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:

10/27/23 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 10/27/23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	0-6"	ND	ND	ND	ND	ND	ND	144
	1'	ND	ND	ND	ND	ND	ND	160
S-2	0-6"	ND	ND	ND	ND	ND	ND	32
	1'	ND	ND	ND	ND	ND	ND	32
S-3	0-6"	ND	ND	ND	199	108	307	32
	2'	ND	ND	ND	672	280	952	32
S-4	0-6"	ND	ND	ND	ND	ND	ND	2680
	3'	ND	ND	ND	ND	ND	ND	544
S-5	0-6"	ND	ND	ND	ND	ND	ND	1140
	3'	ND	ND	ND	ND	ND	ND	464
S-6	0-6"	ND	ND	ND	ND	ND	ND	64
	1'	ND	ND	ND	ND	ND	ND	64
S-7	0-6"	ND	ND	ND	ND	ND	ND	ND
	1'	ND	ND	ND	ND	ND	ND	ND
HZ-1	0-6"	ND	ND	ND	ND	ND	ND	ND
	1'	ND	ND	ND	ND	ND	ND	ND
HZ-2	0-6"	ND	ND	ND	ND	ND	ND	32
	1'	ND	ND	ND	ND	ND	ND	16
HZ-3	0-6"	ND	ND	ND	ND	ND	ND	32
	2'	ND	ND	ND	ND	ND	ND	32
HZ-4	0-6"	ND	ND	ND	ND	ND	ND	32
	3'	ND	ND	ND	ND	ND	ND	16
HZ-5	0-6"	ND	ND	ND	233	187	420	688
	3'	ND	ND	ND	181	138	319	656
HZ-6	0-6"	ND	ND	ND	197	155	352	352
	1'	ND	ND	ND	222	169	391	368
HZ-7	0-6"	ND	ND	ND	ND	ND	ND	32
	1'	ND	ND	ND	ND	ND	ND	80

(ND) - Analyte Not Detected

All Laboratory analytical reports are provided in Appendix D. A Site Map is provided in Figure #1.

On February 14, 2024, a sampling notification was submitted to the OCD portal. On February 19, 2024, Paragon returned to the site to obtain additional horizontal samples in the areas of HZ-5 and HZ-6 to obtain full delineation. The samples were obtained at 5 feet and 10 feet towards the east, in the direction of the pasture. This gave us full delineation for these two areas. The results of this event are in the following data table:

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 2/19/24		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
HZ-5	0-6"	ND	ND	ND	ND	ND	ND	1060
	3'	ND	ND	ND	ND	ND	ND	1890
HZ-6	0-6"	ND	ND	ND	ND	ND	ND	368
	1'	ND	ND	ND	ND	ND	ND	64

(ND)- Analyte Not Detected

10 Feet away From Original Sample/ 2/19/24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 2/19/24		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure Criteria 1,000 mg/kg			Closure Criteria 2,500 mg/kg	Closure Criteria 20,000 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
HZ-5	0-6"	ND	ND	ND	ND	ND	ND	16
	3'	ND	ND	ND	ND	ND	ND	ND

(ND)- Analyte Not Detected

REMEDATION ACTIVITIES

Based on the site characteristics, field observations, and soil sample results being below closure criteria in accordance with NMAC 19.15.29, no remedial activities were undertaken to advance the Release Site toward an NMOCD-approved site closure.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2200154337, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please contact Chris Jones by phone at (575)964-7814 or email chris@paragonenvironmental.net

Respectfully,



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – OCD Notification
- Appendix D – Laboratory Reports



Figures:

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

Spur Energy Partners

State S-19 #006
API# 30-015-32502
Eddy County, NM
Site Map

Legend

- Samples
- Spill Area 1490 S/F

State S 19#6 32.8173943,-104.1131287

HZ-1

S-1

HZ-7

S-2

S-7

HZ-2

S-3

S-6

HZ-6

S' HZ-6

HZ-3

S-5

S-4

HZ-5

5' HZ-5

10' HZ-5

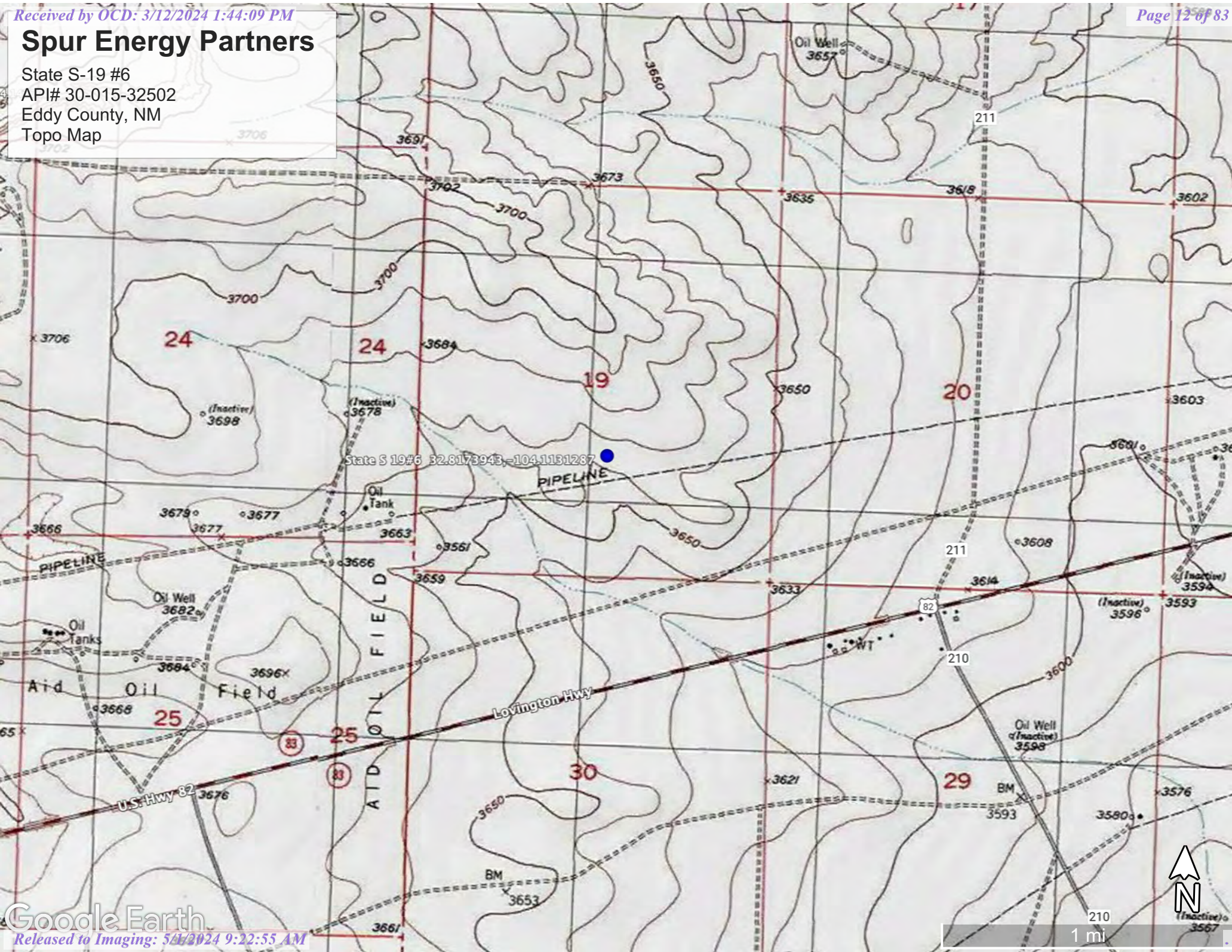
HZ-4



100 ft

Spur Energy Partners

State S-19 #6
API# 30-015-32502
Eddy County, NM
Topo Map



Spur Energy Partners

State S-19 #6
API# 30-015-32502
Eddy County, NM
Karst Map

Legend

-  Feature 3
-  High
-  Low
-  Medium

State S 19#6 32.8173943,-104.1131287



Lovington Hwy

U.S. Hwy 82

211

211

82

210

210

1 mi



Google Earth

Spur Energy Partners

State S-19 #6
API# 30-015-32502
Eddy County, NM
Aerial Map

State S 19#6 32.8173943, -104.1131287

Lovington Hwy

U.S. Hwy 82

211

211

82

210

210

1 mi



Google Earth

Spur Energy Partners

State S-19 #006
API# 30-015-32502
Eddy County, NM
Groundwater Map

Legend

- 0.33 Mile
- RA-13395 POD 1 (TW-1)

State S 19#6 32.8173943, -104.1131287

RA-13395 POD 1 (TW-1)

Lovington Hwy

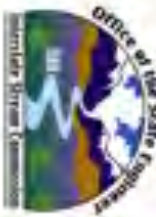
2000 ft





Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer



Water Column/Average Depth to Water

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

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

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

(In feet)

POD Number	POD		Q Q Q				X	Y	Distance	Depth	Well	Depth	Water	Column	
	Sub-basin	County	64	16	4	Sec									Tws
RA 12307 POD1	RA	ED	4	2	2	14	17S	28E	580495	3633981		3617	140	58	82
RA 11807 POD1	RA	ED	1	2	3	22	17S	29E	587360	3631585		4343	131	76	55

Average Depth to Water: 67 feet
Minimum Depth: 58 feet
Maximum Depth: 76 feet

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 583020.401

Northing (Y): 3631391.219

Radius: 5000

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.

8/18/22 11:43 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



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

November 17, 2023

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record RA-13395 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-13395 Pod-1.

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

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

FILED OCT 17 2023 PM 10:40



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)			WELL TAG ID NO. N/A			OSE FILE NO(S). RA-13395			
	WELL OWNER NAME(S) Energy						PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 919 Milam St Ste 2475						CITY Houston		STATE TX	ZIP 77002
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 48	SECONDS 49.73		N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LATITUDE		LONGITUDE		104	7	0.87	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Sec. 19 T17S R29E, 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 11/8/2023		DRILLING ENDED 11/8/2023		DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±102		DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		DATE STATIC MEASURED 11/16/2023	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD						ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)		
	FROM	TO								
	0	102	±6.25	Soil Boring	--	--	--	--		
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT				
	FROM	TO								
				N/A						


FOR OSE INTERNAL USE

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

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (VERSION 01/23/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, fine-grained, poorly graded, dark brown	Y ✓ N	
	4	50	46	Sand, fine-grained, poorly graded, tan	Y ✓ N	
	50	102	52	Sand, fine-grained, poorly graded, with sub-rounded gravel 0.25" reddish-brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. <div style="text-align: right; color: blue;">OCD OF NOV 17 2023 1:40</div>	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNED NAME	Jackie D. Atkins DATE

FOR OSE INTERNAL USE

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

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



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13395 POD-1

Well owner: Spur Energy Partners LLC

Phone No.: 575-441-8619

Mailing address: 919 Milam St Ste 2475

City: Houston State: TX 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: 04/30/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lucas Middleton, Lupe Leyba
- 4) Date well plugging began: 11/16/2023 Date well plugging concluded: 11/16/2023
- 5) GPS Well Location: Latitude: 32 deg, 48 min, 49.73 sec
Longitude: 104 deg, 7 min, 0.87 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 102 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11/3/2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

PLUGGED NOV 17 2023 #10140

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

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-102'	Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	

0000000000 17 2023 AM 10:40

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

III. SIGNATURE:

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

Jack Atkins

Signature of Well Driller

11/17/2023

Date






1115RA-13395-Well Record-forsign1

Final Audit Report

2023-11-17

Created:	2023-11-17
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAlzcynkhe70o6FEdlKmo6jX4ZtPrcG6qC

"1115RA-13395-Well Record-forsign1" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-11-17 - 5:00:36 PM GMT- IP address: 24.40.85.191
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-11-17 - 5:01:23 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-11-17 - 5:13:08 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-11-17 - 5:14:57 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-11-17 - 5:14:57 PM GMT

USE BY NOV 17 2023 4:10:40



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Simona gravelly fine sandy loam, 0 to 3 percent slopes---Eddy Area,
New Mexico

Eddy Area, New Mexico

SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5w

Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 95 percent

Minor components: 5 percent

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

Description of Simona

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low
to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R042XC002NM - Shallow Sandy

Map Unit Description: Simona gravelly fine sandy loam, 0 to 3 percent slopes---Eddy Area,
New Mexico

Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 4 percent

Ecological site: R042XC002NM - Shallow Sandy

Hydric soil rating: No

Playa

Percent of map unit: 1 percent

Landform: Playas

Landform position (three-dimensional): Talf

Down-slope shape: Concave, convex

Across-slope shape: Concave, linear

Ecological site: R042XC017NM - Bottomland

Hydric soil rating: Yes

Data Source Information

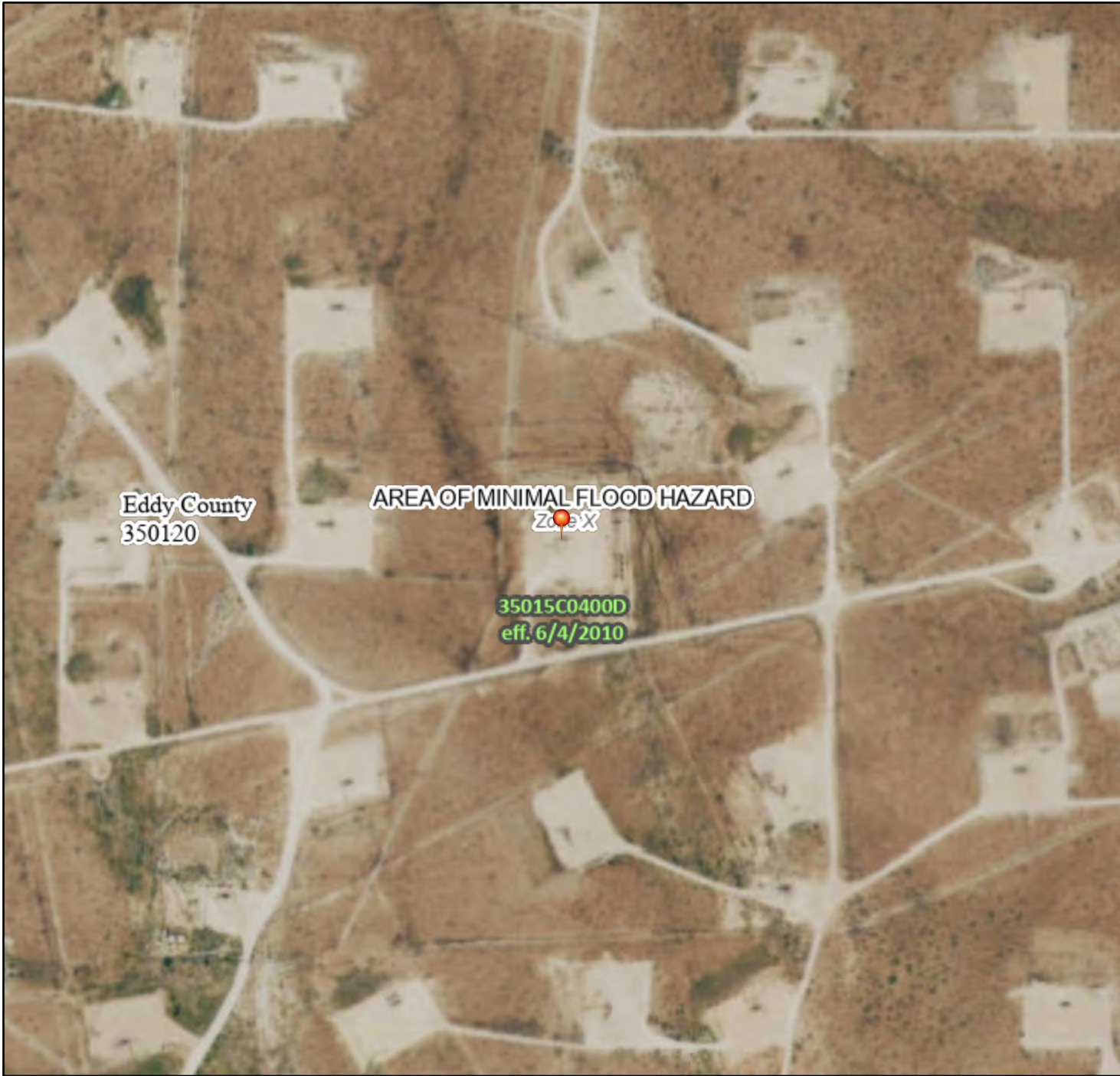
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021

National Flood Hazard Layer FIRMMette



104°7'6"W 32°49'18"N



Legend

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

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

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/18/2022 at 1:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C:
OCD Notification



Mail

 Compose



Chat



Meet



Inbox

533



Starred



Snoozed



Sent



Drafts

29



More

Labels

+



[imap]/Drafts



6 of 1,425



OCDOnline@state.nm.us
to me 

Wed, Feb 14, 8:25 AM (1 day ago)



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#) **nAPP2200154337**.

The sampling event is expected to take place:

When: 02/19/2024 @ 08:00

Where: J-19-17S-29E 1650 FSL 2310 FEL (32.8173943,-104.1131287)

Additional Information: H5- 0-6"

H5-3'

H6-06"

H61'

Additional Instructions: 32.8173943,-104.1131287

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

 Reply

 Forward



Appendix D:
Laboratory Report



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

November 06, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: STATE S 19 #006

Enclosed are the results of analyses for samples received by the laboratory on 10/30/23 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 0-6" (H235924-01)

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	11/02/2023	ND	2.02	101	2.00	2.63		
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	144	16.0	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 1' (H235924-02)

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	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 0-6" (H235924-03)

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	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 1' (H235924-04)

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	11/02/2023	ND	2.02	101	2.00	2.63		
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 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
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 0-6" (H235924-05)

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	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	199	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	108	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 2' (H235924-06)

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	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	672	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	280	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 0-6" (H235924-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 3' (H235924-08)

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	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	544	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 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
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 0-6" (H235924-09)

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	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 3' (H235924-10)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTX	<0.300	0.300	11/03/2023	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	464	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 0-6" (H235924-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEX	<0.300	0.300	11/03/2023	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	64.0	16.0	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 1' (H235924-12)

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	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 0-6" (H235924-13)

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	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 1' (H235924-14)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 1 0-6" (H235924-15)

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	11/03/2023	ND	2.02	101	2.00	8.58		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73		
Total BTEX	<0.300	0.300	11/03/2023	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	11/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 1 1' (H235924-16)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 2 0-6" (H235924-17)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 2 1' (H235924-18)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 3 0-6" (H235924-19)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 3 2' (H235924-20)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTX	<0.300	0.300	11/03/2023	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	32.0	16.0	11/06/2023	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	11/02/2023	ND	183	91.3	200	20.3	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	171	85.7	200	25.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 4 0-6" (H235924-21)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 4 3' (H235924-22)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEx	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 5 0-6" (H235924-23)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	688	16.0	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	233	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	187	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 5 3' (H235924-24)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	656	16.0	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	181	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	138	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 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: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 6 0-6" (H235924-25)

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	11/03/2023	ND	2.02	101	2.00	8.58	
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	8.98	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.95	97.5	2.00	9.24	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.67	94.5	6.00	9.73	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	197	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	155	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 6 1' (H235924-26)

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	11/03/2023	ND	2.07	103	2.00	2.11	
Toluene*	<0.050	0.050	11/03/2023	ND	1.87	93.3	2.00	3.15	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.91	95.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.70	95.0	6.00	3.06	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	368	16.0	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	222	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	169	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 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
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 7 0-6" (H235924-27)

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	11/03/2023	ND	2.07	103	2.00	2.11	
Toluene*	<0.050	0.050	11/03/2023	ND	1.87	93.3	2.00	3.15	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.91	95.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.70	95.0	6.00	3.06	
Total BTEX	<0.300	0.300	11/03/2023	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	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2023
Reported: 11/06/2023
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 10/27/2023
Sampling Type: Solid
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 7 1' (H235924-28)

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	11/03/2023	ND	2.07	103	2.00	2.11	
Toluene*	<0.050	0.050	11/03/2023	ND	1.87	93.3	2.00	3.15	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.91	95.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.70	95.0	6.00	3.06	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/06/2023	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	11/02/2023	ND	207	103	200	1.00	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs **State:** NM **Zip:** 88240

Phone #: 575-964-7814 **Fax #:**

Project #:

Project Name: State 519 #6

Project Location: Eddy

Sampler Name: Jeremy Warner

FOR LAB USE ONLY

P.O. #:

Company: SPUR

Attn: Bradley Moler

Address:

City:

State: **Zip:**

Phone #:

Fax #:

Lab I.D.

Sample I.D.

1 S-10.0"

2 S-1.1"

3 S-2.0.6"

4 S-2.1" *88

5 S-3.0.6"

6 S-3.0.6"

7 S-4.0.6"

8 S-4.0.6"

9 S-4.0.6"

10 S-5.0.6"

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE 10/27

TIME

Relinquished By: L2. MC

Relinquished By:

Delivered By: (Circle One) -L2.3i

Sampler - UPS - Bus - Other: #140

Received By: Speedionet

Received By:

Sample Condition

Cool ☒ **Intact** ☒

Yes ☒ **No** ☐

CHECKED BY: SPUR

REMARKS:

customer made depth corrections. 10/30/23

Email results to Chris Jones

Jeremy Warner



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: Chris Jones				P.O. #:				Company: Paragon Spur			
Address: 1601 N. Turner St., Ste 500				City:				Attn: Bradley Wolden			
City: Hobbs				State: NM zip: 88240				Address:			
Phone #: 575-964-7814				Fax #:				City:			
Project #:				Project Owner: Spur				State:			
Project Name: States 19 #6				Phone #:				Zip:			
Project Location: Eddy				Fax #:							
Sample Name: Jeremy Manner				PRESERV				SAMPLING			
FOR LAB USE ONLY											
Lab I.D.				Sample I.D.							
H235934											
11 5.6 0.6"				(G)RAB OR (C)OMP.				DATE			
12 5.6 1'				# CONTAINERS				TIME			
13 5.7 0.6"				GROUNDWATER				TPH Ext.			
14 5.7 1'				WASTEWATER				BTEX			
15 42.1 0.6"				SOIL				Chlorides			
16 42.1 1'				OIL							
17 42.2 0.6"				SLUDGE							
18 42.2 1'				OTHER :							
19 42.3 0.6"				ACID/BASE:							
20 42.3 1'				ICE / COOL							
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334 42											



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Spur

Attn: Bredey Wolder

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs State: NM zip: 88240

Phone #: 575-964-7814 Fax #:

Project Owner: Spar

Project Name: State S 14 #6

Project Location: Edin

Sampler Name: Jeremy Warner

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

TPH Ext.

BTEX

Chlorides

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

Relinquished By:

Date:

Time:

Received By:

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

Releashed By:

Date:

Time:

Delivered By: (Circle One)

Cool Intact

Checked BY:

Email results to Chris Jones/Jeremy Warner

Sampler - UPS - Bus - Other:

#140

Yes No

No



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

February 22, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: STATE S 19 #006

Enclosed are the results of analyses for samples received by the laboratory on 02/19/24 16:03.

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: 02/19/2024
Reported: 02/22/2024
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 02/19/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Dionica Hinojos

Sample ID: HZ - 5 0-6 (H240798-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2024	ND	2.14	107	2.00	4.46	
Toluene*	<0.050	0.050	02/20/2024	ND	1.93	96.3	2.00	1.51	
Ethylbenzene*	<0.050	0.050	02/20/2024	ND	1.81	90.7	2.00	0.723	
Total Xylenes*	<0.150	0.150	02/20/2024	ND	5.29	88.1	6.00	1.21	
Total BTEX	<0.300	0.300	02/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	1060	16.0	02/20/2024	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	02/20/2024	ND	208	104	200	4.53	
DRO >C10-C28*	<10.0	10.0	02/20/2024	ND	184	92.1	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	02/20/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/19/2024
Reported: 02/22/2024
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 02/19/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Dionica Hinojos

Sample ID: HZ - 5 3' (H240798-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2024	ND	2.14	107	2.00	4.46	
Toluene*	<0.050	0.050	02/20/2024	ND	1.93	96.3	2.00	1.51	
Ethylbenzene*	<0.050	0.050	02/20/2024	ND	1.81	90.7	2.00	0.723	
Total Xylenes*	<0.150	0.150	02/20/2024	ND	5.29	88.1	6.00	1.21	
Total BTEX	<0.300	0.300	02/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.4 % 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	1890	16.0	02/20/2024	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	02/20/2024	ND	208	104	200	4.53	
DRO >C10-C28*	<10.0	10.0	02/20/2024	ND	184	92.1	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	02/20/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/19/2024
Reported: 02/22/2024
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 02/19/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Dionica Hinojos

Sample ID: HZ - 6 0-6 (H240798-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2024	ND	2.14	107	2.00	4.46	
Toluene*	<0.050	0.050	02/20/2024	ND	1.93	96.3	2.00	1.51	
Ethylbenzene*	<0.050	0.050	02/20/2024	ND	1.81	90.7	2.00	0.723	
Total Xylenes*	<0.150	0.150	02/20/2024	ND	5.29	88.1	6.00	1.21	
Total BTEX	<0.300	0.300	02/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.4 % 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	368	16.0	02/20/2024	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	02/20/2024	ND	208	104	200	4.53	
DRO >C10-C28*	<10.0	10.0	02/20/2024	ND	184	92.1	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	02/20/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/19/2024
Reported: 02/22/2024
Project Name: STATE S 19 #006
Project Number: NONE GIVEN
Project Location: SPUR - EDDY CO NM

Sampling Date: 02/19/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Dionica Hinojos

Sample ID: HZ - 6 1' (H240798-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2024	ND	2.14	107	2.00	4.46	
Toluene*	<0.050	0.050	02/20/2024	ND	1.93	96.3	2.00	1.51	
Ethylbenzene*	<0.050	0.050	02/20/2024	ND	1.81	90.7	2.00	0.723	
Total Xylenes*	<0.150	0.150	02/20/2024	ND	5.29	88.1	6.00	1.21	
Total BTEX	<0.300	0.300	02/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	02/20/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2024	ND	212	106	200	0.482	
DRO >C10-C28*	<10.0	10.0	02/20/2024	ND	207	103	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/20/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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]



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

February 28, 2024

CASON SPURLOCK

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: STATE S 19 #006

Enclosed are the results of analyses for samples received by the laboratory on 02/22/24 15:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/22/2024
 Reported: 02/28/2024
 Project Name: STATE S 19 #006
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO NM

Sampling Date: 02/19/2024
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 5 0-6" (H240895-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2024	ND	1.95	97.7	2.00	5.19	
Toluene*	<0.050	0.050	02/26/2024	ND	1.95	97.4	2.00	3.12	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.98	99.2	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.86	97.6	6.00	0.460	
Total BTX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	02/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	214	107	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	209	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/22/2024
 Reported: 02/28/2024
 Project Name: STATE S 19 #006
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO NM

Sampling Date: 02/19/2024
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ - 5 3' (H240895-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2024	ND	1.95	97.7	2.00	5.19	
Toluene*	<0.050	0.050	02/26/2024	ND	1.95	97.4	2.00	3.12	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.98	99.2	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.86	97.6	6.00	0.460	
Total BTEx	<0.300	0.300	02/26/2024	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	<16.0	16.0	02/27/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	214	107	200	1.37	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	209	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- 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

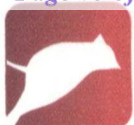
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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[illegible]

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 322627

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	322627
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2200154337
Incident Name	NAPP2200154337 STATE S-19 #6 BATTERY @ 30-015-32502
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-32502] STATE S 19 #006

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	State S-19 #6 Battery
Date Release Discovered	12/31/2021
Surface Owner	State

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 39 BBL Recovered: 35 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Action 322627

QUESTIONS (continued)

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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	Not answered.

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: 03/12/2024
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QUESTIONS, Page 3

Action 322627

QUESTIONS (continued)

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[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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)	2680
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	952
GRO+DRO	(EPA SW-846 Method 8015M)	672
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	02/19/2024
On what date will (or did) the final sampling or liner inspection occur	02/19/2024
On what date will (or was) the remediation complete(d)	02/19/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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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Action 322627

QUESTIONS (continued)

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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.)	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)	Yes
Other Non-listed Remedial Process. Please specify	REMEDATION WAS NOT NECESSARY BECAUSE ALL SAMPLES MET THE CLOSURE CRITERIA AND BOTH VERTICAL AND HORIZONTAL DELINEATION WERE ACHIEVED

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: 03/12/2024
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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.

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Action 322627

QUESTIONS (continued)

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	328947
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	322627
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[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	314184
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	REMEDATION WAS NOT NECESSARY BECAUSE ALL SAMPLES WERE BELOW CLOSURE CRITERIA AND BOTH VERTICAL AND HORIZONTAL DELINEATION WERE ACHIEVED

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 03/12/2024
--	--

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Action 322627

QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 322627

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2200154337 STATE S-19 #6 BATTERY, thank you. This Remediation Closure Report is approved.	5/1/2024