



July 12, 2023

NMOCD District 2  
Mike Bratcher  
Artesia, NM 88210

Bureau of Land Management  
Crisha Morgan  
Carlsbad Field Office

**Re: Closure Request**  
**Riser 35 Pipe 03**  
**API No. N/A**  
**GPS: Latitude 32.8410149 Longitude -104.0705795**  
**UL "A", Sec. 16, T17S, R29E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2222853195**

Mr. Bratcher,

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities, and request closure approval for the Riser 35 Pipe 03 (Riser). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	56 bbls
		Volume Recovered:	0 bbls
Source of Release:	Steel Connection	Date of Release:	08/16/22
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	OCD Online
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	Unknown
A hole developed in the steel section of the Riser 35.			

Topographical and Aerial Maps are provided in Figures #2 and #4. A copy of the Initial Release Notification and Corrective Action (NMOCD Form C-141) can be found in Appendix C.

## 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	76'
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, private, or domestic freshwater 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?	YES
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.

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 older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of the High Plains region (middle to lower Pleistocene)- Includes scattered lacustrine playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of quaternary deposits (QOA). The soil in this area is made up of Reeves-Gypsum land complex, 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained. There is a High potential for karst geology to be present around the Riser (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
<50 Feet	Chloride	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 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

On October 12, 2022, Paragon conducted an initial site assessment. During the initial site assessment, nine (9) soil samples were collected in this area to determine the vertical extent of soil impact. An additional five (5) samples were obtained to determine horizontal impacts. 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:

10-12-22 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC								
Sample Date 10-12-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	6"	ND	ND	14.4	4600	813	5427.4	208
	1'	ND	ND	ND	33.6	ND	33.6	256
	2'	ND	ND	ND	33.7	ND	33.7	64
S-2	6"	ND	ND	ND	73.9	33.4	107.3	8800
	1'	ND	ND	ND	ND	ND	ND	11000
	2'	ND	ND	ND	ND	ND	ND	1540
	3'	ND	ND	ND	ND	ND	ND	17400
	4'	ND	ND	ND	ND	ND	ND	7860
S-3	6"	ND	ND	ND	72.1	40.6	112.7	3800
	1'	ND	ND	ND	ND	ND	ND	4840
	2'	ND	ND	ND	ND	ND	ND	4640
S-4	6"	ND	ND	ND	ND	ND	ND	11200
	1'	ND	ND	ND	ND	ND	ND	7920
	2'	ND	ND	ND	ND	ND	ND	9860
	3'	ND	ND	ND	ND	ND	ND	12800
	4'	ND	ND	ND	ND	ND	ND	13100
S-5	6"	ND	ND	ND	14.2	ND	14.2	6100
	1'	ND	ND	ND	ND	ND	ND	11200
	2'	ND	ND	ND	ND	ND	ND	10000
	3'	ND	ND	ND	ND	ND	ND	48
	4'	ND	ND	ND	ND	ND	ND	128
S-6	6"	ND	ND	ND	ND	ND	ND	320
	1'	ND	ND	ND	ND	ND	ND	6660
	2'	ND	ND	ND	ND	ND	ND	13100
	3'	ND	ND	ND	ND	ND	ND	12600
	4'	ND	ND	ND	ND	ND	ND	12500
S-7	6"	ND	ND	ND	11.8	ND	11.8	304
	1'	ND	ND	ND	ND	ND	ND	6600
	2'	ND	ND	ND	ND	ND	ND	11600
	3'	ND	ND	ND	ND	ND	ND	12800
S-8	6"	ND	ND	ND	ND	ND	ND	3440
	1'	ND	ND	ND	ND	ND	ND	6160
	2'	ND	ND	ND	ND	ND	ND	14600
S-9	6"	ND	ND	ND	ND	ND	ND	432
	1'	ND	ND	ND	ND	ND	ND	11200
	2'	ND	ND	ND	ND	ND	ND	29000
	3'	ND	ND	ND	ND	ND	ND	16000
EAST	SURFACE	ND	ND	ND	ND	ND	ND	20400
NORTH WEST	SURFACE	ND	ND	ND	ND	ND	ND	112
SOUTH WEST	SURFACE	ND	ND	ND	ND	ND	ND	64
SOUTH EAST	SURFACE	ND	ND	ND	ND	ND	ND	1860
NORTH EAST	SURFACE	ND	ND	ND	ND	ND	ND	128

ND- Analyte Not Detected

## REMEDIATION ACTIVITIES

- The impacted area was excavated to 4 feet in depth across the entire spill area.
- Spur replaced the riser with all-new stainless-steel fittings and valves.
- Confirmation samples were obtained for vertical and horizontal delineation. These samples were taken at a depth of 4-feet for bottoms and sidewalls.

3-3-23 Confirmation Bottom and Sidewall Sample Results

NMOC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')						
Sample Date 3-3-23					Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	4	ND	182	35.9	217.9	1230
S-2	4	ND	43.5	12.5	43.5	3600
S-3	4	ND	112	45.2	157.2	1680
S-4	4	--	--	--	--	2200
S-5	4	--	--	--	--	3680
S-6	4	--	--	--	--	448
S-7	4	--	--	--	--	1060
S-8	4	--	--	--	--	2200
S-9	4	--	--	--	--	1380
S-10	4	--	--	--	--	688
S-11	4	ND	ND	ND	ND	368
S-12	4	ND	ND	ND	ND	912
S-13	4	ND	ND	ND	ND	400
S-14	4	ND	ND	ND	ND	512
S-15	4	--	--	--	--	560
S-16	4	--	--	--	--	816
S-17	4	--	--	--	--	1220
S-18	4	--	--	--	--	1070
S-19	4	--	--	--	--	1340
S-20	4	--	--	--	--	2680
S-21	4	--	--	--	--	1020
S-22	4	--	--	--	--	1250
S-23	4	--	--	--	--	1920
S-24	4	ND	149	59.4	208.4	800
S-25	4	ND	49.2	43	92.2	512
S-26	4	ND	81.1	25.6	106.7	1620
S-27	4	ND	91	19	110	400
S-28	4	ND	69.8	40.9	110.7	992
S-29	4	ND	53.7	48.8	102.5	9200
S-30	4	--	--	--	--	1220
S-31	4	--	--	--	--	2800
S-32	4	--	--	--	--	1230
S-33	4	--	--	--	--	1600
S-34	4	--	--	--	--	448
S-35	4	--	--	--	--	384
S-36	4	--	--	--	--	384
NSW-1	4	--	--	--	--	304
NSW-2	4	--	--	--	--	672
NSW-3	4	--	--	--	--	736
NSW-4	4	--	--	--	--	208
ESW-1	4	--	--	--	--	304
ESW-2	4	--	--	--	--	304
SSW-1	4	--	--	--	--	160
SSW-2	4	--	--	--	--	1120
SSW-3	4	--	--	--	--	1570
SSW-4	4	--	--	--	--	3600
WSW-1	4	--	--	--	--	960
WSW-2	4	--	--	--	--	1480

ND- Analyte Not Detected/-- Analyte Not Tested



After receiving the sample results, it was decided to advance the sidewalls that were above closure criteria by 1 foot. Once this was completed, we tested these areas again. The results are below:

### 3-17-23 Advanced Sidewall Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 3-17-23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
WSW-1	4	ND	ND	ND	ND	ND	ND	720
WSW-2	4	ND	ND	ND	ND	ND	ND	32
SSW-4	4	ND	ND	ND	ND	ND	ND	32
SSW-3	4	ND	ND	ND	ND	ND	ND	16
SSW-2	4	ND	ND	ND	ND	ND	ND	96
NSW-3	4	ND	ND	ND	ND	ND	ND	480
NSW-2	4	ND	ND	ND	ND	ND	ND	192

ND- Analyte Not Detected

We then scheduled to utilize a geoprobe to advance our vertical samples in order to obtain vertical delineation. This data was necessary in order for us to ask for the variance. We obtained samples starting at 6 feet, each soil boring obtained 4 feet of soil. We field titrated the bottom sample of each boring to determine if we needed to advance additional samples. We advanced the boring until clean results were found. We sent these samples to the lab for final analysis, those results are in the following data table.

### 4-19-23 Soil Boring Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 4-19-23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
B-1	20	--	--	--	--	--	--	16
B-2	22	--	--	--	--	--	--	48
B-3	21	--	--	--	--	--	--	80
B-4	21	--	--	--	--	--	--	96
B-5	25	--	--	--	--	--	--	144
B-6	24	--	--	--	--	--	--	80
B-7	24	--	--	--	--	--	--	128
B-8	24	--	--	--	--	--	--	32
B-9	21	--	--	--	--	--	--	32

-- Analyte Not Tested

On June 28, 2023, Paragon returned and installed the bentonite clay liner and covered parts of the liner to keep it in place until backfilling could commence. On July 1, 2023, we excavated an additional 1-foot from the area of the WSW-1, we field tested this area and it showed to clean up. This sample was sent to the lab and the results are in the following data table.

## 7-1-23 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date: 7-1-23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
WSW-1	4'	—	—	—	—	—	—	176

-- Analyte Not Tested

The area was then backfilled, machine compacted, and contoured to match the surrounding terrain.

### CLOSURE REQUEST

After careful review, Paragon respectfully requests that the incident, NAPP2222853195, be closed. Spur has complied with the applicable closure requirements and the variance approved on 6/20/23 set forth in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please contact Chris Jones at (575)964-7814 or email at [chris@paragonenvironmental.net](mailto: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- Confirmation Map
- 6- Boring Map

#### **Appendices:**

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – C-141
- Appendix D – Email Notification & Photographic Documentation
- Appendix E – Laboratory Reports



Figures:




- 1-Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Aerial Map
- 5- Confirmation Map
- 6- Boring Map

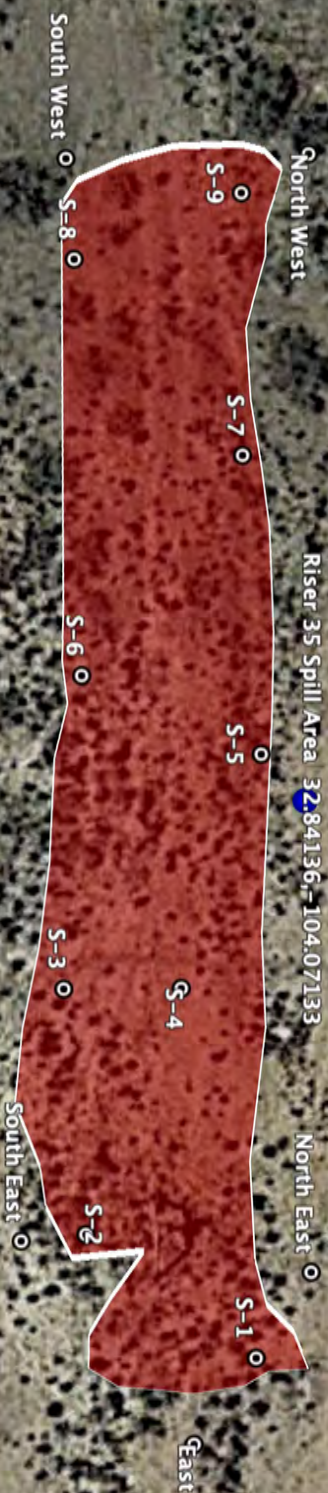


# Spur Energy Partners

Riser 35 Pipe 03  
Eddy County, NM  
Site Map

## Legend

-  Riser 35 Spill Area 32.84136,-104.07133
-  Samples
-  Spill Area

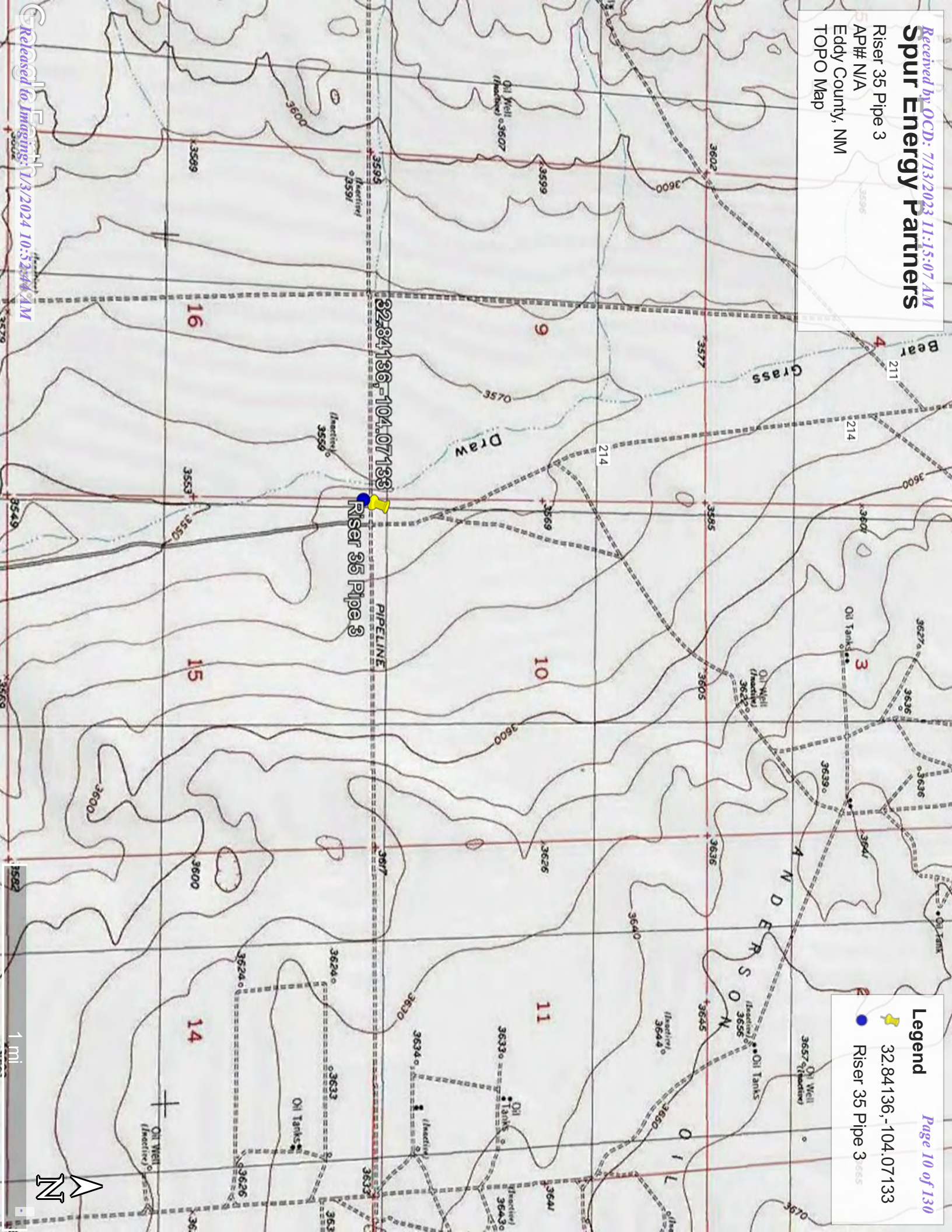




Riser 35 Pipe 3  
AP# N/A  
Eddy County, NM  
TOPO Map

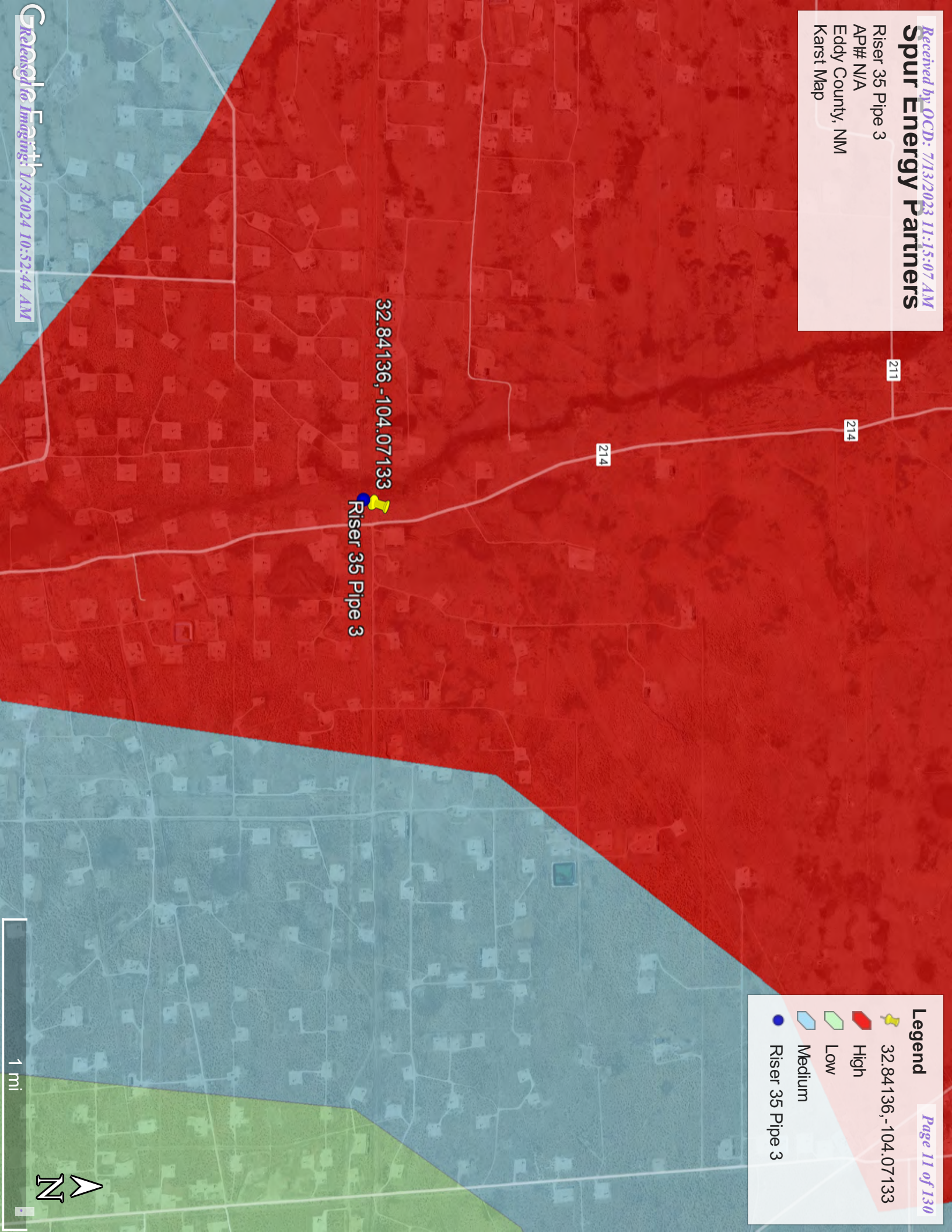
Legend

- 32.84136, -104.07133
- Riser 35 Pipe 3



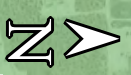


Riser 35 Pipe 3  
AP# N/A  
Eddy County, NM  
Karst Map



**Legend**

-  32.84136, -104.07133
-  High
-  Low
-  Medium
-  Riser 35 Pipe 3





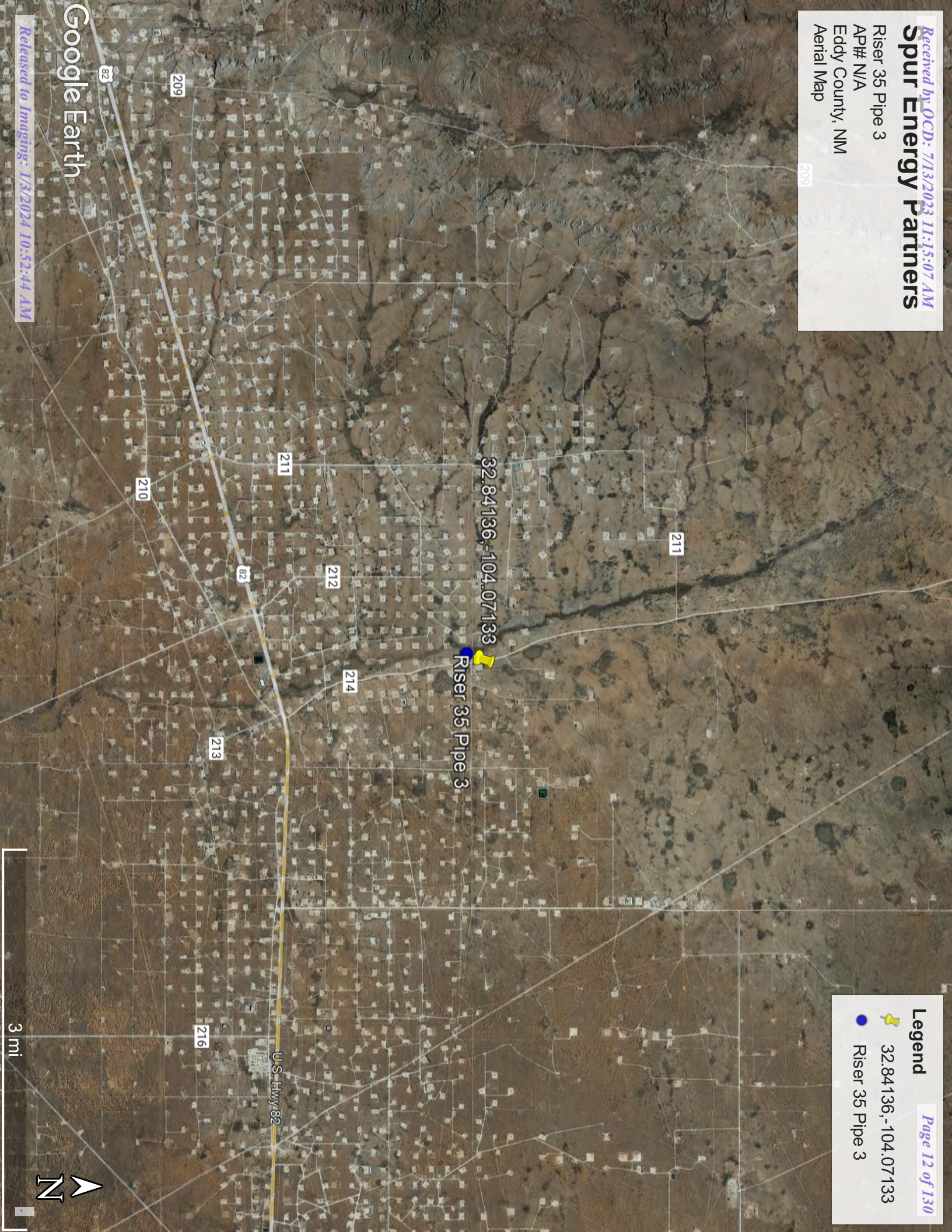


Riser 35 Pipe 3  
AP# N/A  
Eddy County, NM  
Aerial Map

209

**Legend**

-  32.84136, -104.07133
-  Riser 35 Pipe 3



32.84136, -104.07133

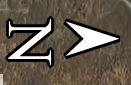
Riser 35 Pipe 3

U.S. Hwy 82

Google Earth

Released to Imaging: 1/3/2024 10:52:44 AM

3 mi





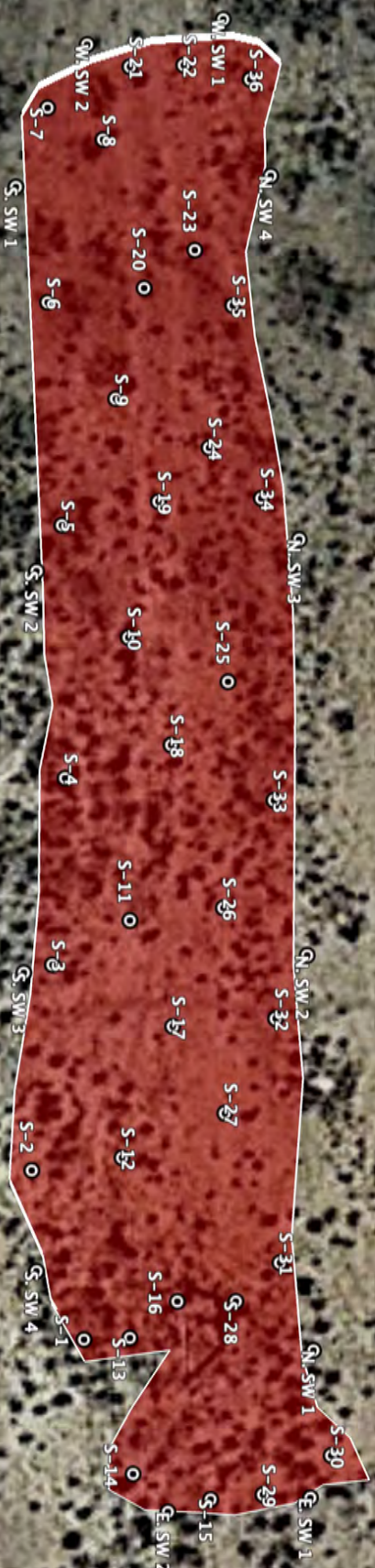


# Spur Energy Partners

Riser 35 Pipe 03  
Eddy County, NM  
Confirmation Map

## Legend

-  Samples
-  Spill Area



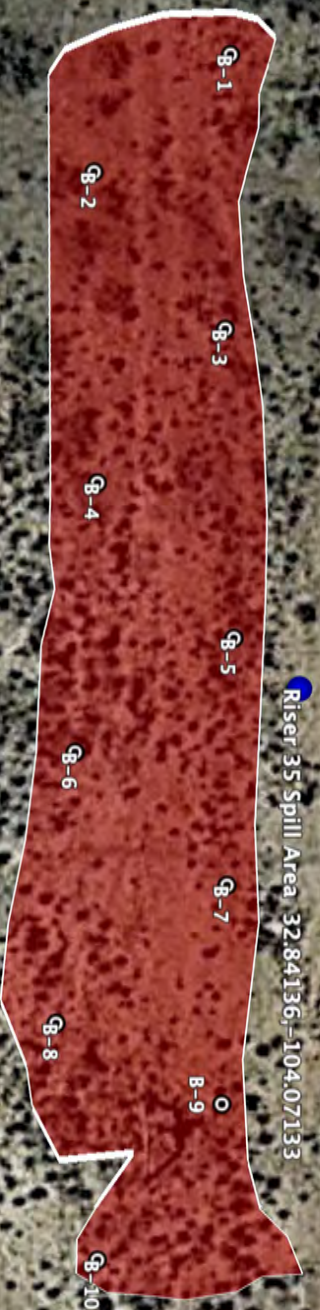
Riser 35 Spill Area 32.84136,-104.07133





# Spur Energy Partners

Riser 35 Pipe 03  
Eddy County, NM  
Boring Map



Riser 35 Spill Area 32.84136,-104.07133

G-1

B-9

G-2

G-4

G-8

G-10

G-3

G-5

G-7

G-6







Appendix A  
Referenced Water Data:

New Mexico State of Engineers Office



(In feet)

Average Depth to Water:	<b>76 feet</b>
Minimum Depth:	<b>76 feet</b>
Maximum Depth:	<b>76 feet</b>

**Radius:** 5000

WATER COLUMN/ AVERAGE DEPTH TO  
WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)		(NAD83 UTM in meters)					
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tw</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
RA	11807 POD1	1	2	3	22	17S	29E	587360	3631585
<hr/>									
<b>Driller License:</b>	1348	<b>Driller Company:</b>		TAYLOR WATER WELL SERVICE					
<b>Driller Name:</b>	TAYLOR, CLINTON E.								
<b>Drill Start Date:</b>	11/23/2012	<b>Drill Finish Date:</b>		11/26/2012		<b>Plug Date:</b>			
<b>Log File Date:</b>	03/26/2013	<b>PCW Rev Date:</b>				<b>Source:</b>		Shallow	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>		4 GPM	
<b>Casing Size:</b>	4.50	<b>Depth Well:</b>		131 feet		<b>Depth Water:</b>		76 feet	
<hr/>									
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>					
		104	128	Other/Unknown					
<hr/>									
<b>Casing Perforations:</b>		<b>Top</b>	<b>Bottom</b>						
		91	131						
<hr/>									

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.

10/18/22 3:24 PM

POINT OF DIVERSION SUMMARY



Appendix B  
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

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## Eddy Area, New Mexico

### RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w5f  
*Elevation:* 1,250 to 5,000 feet  
*Mean annual precipitation:* 10 to 25 inches  
*Mean annual air temperature:* 57 to 70 degrees F  
*Frost-free period:* 190 to 235 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Reeves and similar soils:* 55 percent  
*Gypsum land:* 30 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Reeves

##### Setting

*Landform:* Ridges, plains, hills  
*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope  
*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from gypsum

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 32 inches:* clay loam  
*H3 - 32 to 60 inches:* gypsiferous material

##### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* 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:* 25 percent  
*Gypsum, maximum content:* 80 percent  
*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 4.0  
*Available water supply, 0 to 60 inches:* Low (about 4.3 inches)

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

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**Interpretive groups**

*Land capability classification (irrigated): 3s*

*Land capability classification (nonirrigated): 7s*

*Hydrologic Soil Group: B*

*Ecological site: R070BC007NM - Loamy*

*Hydric soil rating: No*

**Description of Gypsum Land****Setting**

*Landform: Ridges, plains, hills*

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

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

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Parent material: Residuum weathered from gypsum*

**Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 8s*

*Hydric soil rating: No*

**Minor Components****Largo**

*Percent of map unit: 5 percent*

*Ecological site: R070BC007NM - Loamy*

*Hydric soil rating: No*

**Reagan**

*Percent of map unit: 5 percent*

*Ecological site: R070BC007NM - Loamy*

*Hydric soil rating: No*

**Cottonwood**

*Percent of map unit: 5 percent*

*Ecological site: R070BC033NM - Salty Bottomland*

*Hydric soil rating: No*

**Data Source Information**

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022




# National Flood Hazard Layer FIRMette





104°43'6"W 32°50'44"N












## Legend




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

<b>SPECIAL FLOOD HAZARD AREAS</b>	 Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR  Regulatory Floodway
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 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

<b>OTHER AREAS OF FLOOD HAZARD</b>	 NO SCREEN Area of Minimal Flood Hazard Zone X
<b>OTHER AREAS</b>	 Effective LOMRs Area of Undetermined Flood Hazard Zone D
<b>GENERAL STRUCTURES</b>	 Channel, Culvert, or Storm Sewer  Levee, Dike, or Floodwall

 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation 17.5	
 Coastal Transect	
 Base Flood Elevation Line (BFE)	
 Limit of Study	
 Jurisdiction Boundary	
 Coastal Transect Baseline	
 Profile Baseline	
<b>OTHER FEATURES</b>	 Hydrographic Feature

<b>MAP PANELS</b>	 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 **10/18/2022 at 5:26 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





Appendix C:

C-141

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2222853195
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Spur Energy Partners, LLC	OGRID	328947
Contact Name	Chad Hensley	Contact Telephone	(346) 339-1494
Contact email	chensley@spurenergy.com	Incident # (assigned by OCD)	nAPP2222853195
Contact mailing address	9655 Katy Freeway, Suite 500, Houston, TX 77024		

### Location of Release Source

Latitude 32.8410149 Longitude -104.0705795  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Riser 35	Site Type	Pipeline
Date Release Discovered	08/16/2022	API# (if applicable)	N/A

Unit Letter	Section	Township	Range	County
A	16	17S	29E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 56bbl	Volume Recovered (bbls) 0bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


We had a hole appear in the steel section of riser 35

Incident ID	nAPP2222853195
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  Release greater than 25bbl.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Chad Hensley</u>	Title: <u>EHS Coordinator</u>
Signature: <u></u>	Date: _____
email: <u>chensley@spurenergy.com</u>	Telephone: <u>(346) 339-1494</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>08/17/2022</u>

Incident ID	nAPP2222853195
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*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?	<u>76</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2222853195
District RP	
Facility ID	
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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.

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 7/13/23

email: [katherine.purvis@spurenergy.com](mailto:katherine.purvis@spurenergy.com)

Telephone: 575-441-8619

**OCD Only**

Received by: Shelly Wells

Date: 7/13/2023



Incident ID	nAPP2222853195
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 7/13/23

email: [katherine.purvis@spurenergy.com](mailto:katherine.purvis@spurenergy.com)

Telephone: 575-441-8619

**OCD Only**

Received by: Shelly Wells Date: 7/13/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2222853195
District RP	
Facility ID	
Application ID	

## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 7/13/23

email: [katherine.purvis@spurenergy.com](mailto:katherine.purvis@spurenergy.com)

Telephone: 575-441-8619

**OCD Only**

Received by: Shelly Wells

Date: 7/13/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



Appendix D:

Email Notification

Photographic Documentation

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Katherine Purvis](#)  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 229954  
**Date:** Tuesday, June 20, 2023 8:31:35 AM

---

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2222853195, with the following conditions:

- **The Variance Request for a Bentonite Clay Liner at 4 ft below ground surface is approved. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please include this e-mail correspondence in the remediation and/or closure report.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Robert Hamlet  
575-748-1283  
[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)

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

**CAUTION External Email - Don't click on contents unless you know they are safe**

Wednesday, June 7, 2023 at 10:37:06 Central Daylight Time

---

**Subject:** Riser 35 conformation samples

**Date:** Wednesday, March 1, 2023 at 9:22:22 AM Central Standard Time

**From:** Angel Pena

**To:** Bratcher, Michael, EMNRD, Chris Jones, Hamlet, Robert, EMNRD, Harimon, Jocelyn, EMNRD, Nobui, Jennifer, EMNRD, Tristan Jones

All,

This is to inform you all we will be collecting confirmation samples at the Riser 35 , 03-03-23 at 9:00 AM . If you have any questions or concerns, please let me know.

Incident number- nAPP2222853195

Thank You,

Angel Peña

575-605-0773

Paragon Environmental LLC.

Wednesday, June 7, 2023 at 10:37:34 Central Daylight Time

---

**Subject:** Riser 35

**Date:** Tuesday, March 14, 2023 at 6:14:07 PM Central Daylight Time

**From:** Angel Pena

**To:** Bratcher, Michael, EMNRD, Harimon, Jocelyn, EMNRD, Nobui, Jennifer, EMNRD, Hamlet, Robert, EMNRD, Chris Jones, Tristan Jones

All,

This is to inform you all we will be collecting confirmation samples at the Riser 35 ,03-17-23 at 9:00 AM . If you have any questions or concerns, please let me know.

Incident number~ nAPP2222853195

Thank You,

Angel Peña

575-605-0773

Paragon Environmental LLC.





## Photographic Documentation

### Incident







During Project







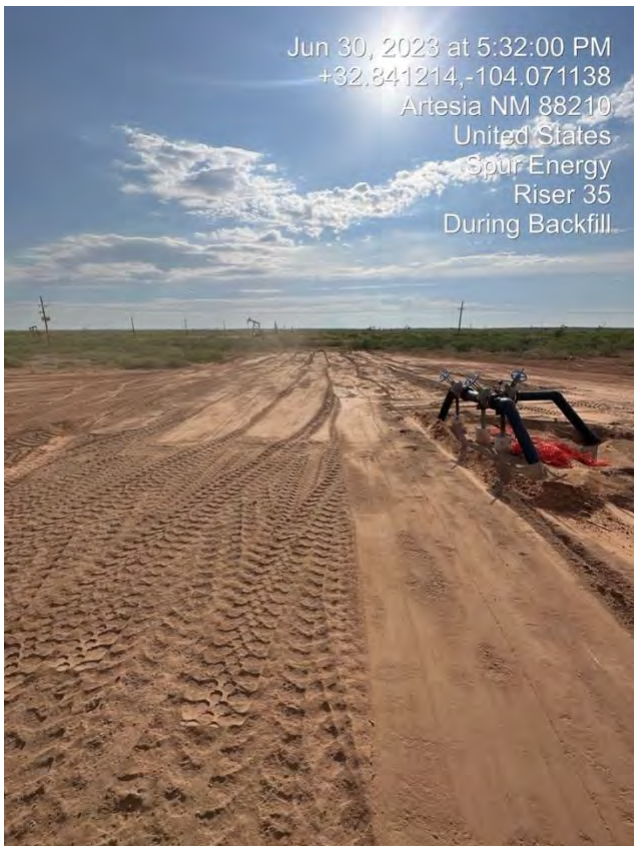
## Liner Installation







Completed





Appendix E:  
Laboratory Results





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

October 18, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: RISER 35

Enclosed are the results of analyses for samples received by the laboratory on 10/13/22 8:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 1 6" (H224809-01)**

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	10/16/2022	ND	1.98	98.9	2.00	0.458	
Toluene*	<0.050	0.050	10/16/2022	ND	2.12	106	2.00	0.403	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.96	97.9	2.00	1.25	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.85	97.5	6.00	1.25	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/15/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.4	10.0	10/14/2022	ND	237	119	200	3.81	
DRO >C10-C28*	4600	10.0	10/14/2022	ND	251	125	200	2.52	
EXT DRO >C28-C36	813	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 63.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 184 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 1 1' (H224809-02)**

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	10/15/2022	ND	1.98	98.9	2.00	0.458		
Toluene*	<0.050	0.050	10/15/2022	ND	2.12	106	2.00	0.403		
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.96	97.9	2.00	1.25		
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.85	97.5	6.00	1.25		
Total BTEx	<0.300	0.300	10/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	33.6	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 1 2' (H224809-03)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/15/2022	ND	432	108	400	7.69	

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	33.7	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 2 6" (H224809-04)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	73.9	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	33.4	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 2 1' (H224809-05)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115		
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 2 2' (H224809-06)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115		
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210		
Total BTEx	<0.300	0.300	10/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 2 3' (H224809-07)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115		
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17400	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 2 4' (H224809-08)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 3 6" (H224809-09)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	10/15/2022	ND	432	108	400	7.69		

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	72.1	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	40.6	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 3 1' (H224809-10)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4840	16.0	10/15/2022	ND	432	108	400	7.69	

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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 3 2' (H224809-11)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115		
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	10/15/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.1 % 46.3-178

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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 4 6" (H224809-12)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 4 1' (H224809-13)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7920	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 4 2' (H224809-14)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9860	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 4 3' (H224809-15)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 4 4' (H224809-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13100	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 5 6" (H224809-17)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115		
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6100	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	14.2	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 5 1' (H224809-18)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 5 2' (H224809-19)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 5 3' (H224809-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 116 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 5 4' (H224809-21)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2022	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	10/14/2022	ND	214	107	200	1.63	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	216	108	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 114 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 6 6" (H224809-22)**

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	10/16/2022	ND	1.93	96.5	2.00	0.115	
Toluene*	<0.050	0.050	10/16/2022	ND	2.06	103	2.00	0.372	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.90	94.8	2.00	0.242	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.65	94.2	6.00	0.210	
Total BTEx	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 119 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 6 1' (H224809-23)**

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	10/16/2022	ND	2.01	100	2.00	0.628	QM-07
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 6 2' (H224809-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13100	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 6 3' (H224809-25)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 6 4' (H224809-26)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEX	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12500	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 7 6" (H224809-27)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	11.8	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 7 1' (H224809-28)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6600	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 7 2' (H224809-29)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11600	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 7 3' (H224809-30)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 8 6" (H224809-31)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEX	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	10/15/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 8 1' (H224809-32)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 8 2' (H224809-33)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 9 6" (H224809-34)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTEX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 9 1' (H224809-35)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 9 2' (H224809-36)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29000	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 125 % 45.3-161

Surrogate: 1-Chlorooctadecane 141 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 9 3' (H224809-37)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 1 EAST SURFACE (H224809-38)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20400	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S NORTH WEST SURF (H224809-39)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S SOUTH WEST SURF (H224809-40)**

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	10/16/2022	ND	2.01	100	2.00	0.628		
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648		
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17		
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07		
Total BTEx	<0.300	0.300	10/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S SOUTH EAST SURFACE (H224809-41)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1860	16.0	10/15/2022	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	10/14/2022	ND	208	104	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	194	97.2	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/13/2022  
 Reported: 10/18/2022  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 10/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S NORTH EAST SURFACE (H224809-42)**

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	10/16/2022	ND	2.01	100	2.00	0.628	
Toluene*	<0.050	0.050	10/16/2022	ND	2.16	108	2.00	0.648	
Ethylbenzene*	<0.050	0.050	10/16/2022	ND	1.99	99.5	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/16/2022	ND	5.99	99.9	6.00	1.07	
Total BTX	<0.300	0.300	10/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/15/2022	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	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1014

Company Name: Paragon Environmental		P.O. #:		BILL TO																					
Project Manager: Cason Spurlock		Company: SPUR		ANALYSIS REQUEST																					
Address: 5002 Carriage Rd		Attn: Barry Molder																							
City: Hobbs		Address:																							
Phone #: 575-631-6977		City:																							
Fax #: 575-631-6977		State:																							
Project #: 35		Zip:																							
Project Name: Riser		Phone #:																							
Project Location: Riser 38 Body Count		Fax #:																							
Sampler Name: Manuel																									
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
1124809	1	6"											10-12-22		TPH Ext										
	2	1	1'												BTEX										
	3	1	2'												Chlorides										
	4	2	6"																						
	5	2	1'																						
	6	2	2'																						
	7	2	3'																						
	8	2	4'																						
	9	2	6"																						
	10	3	1'																						
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Relinquished By: [Signature]		Date: 10-13-22	Received By: [Signature]																						
Relinquished By: [Signature]		Date: 0830	Received By: [Signature]																						
Delivered By: (Circle One)																									
Sampler - UPS - Bus - Other: -4.3i/-4.9i		Sample Condition																							
		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																							
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																							
		Checked BY: (Initials) [Signature]																							
		10/13																							
REMARKS: Email to Chris Jones																									

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



2086

2082

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: Cason Spurlock

Address: 5002 Carriage Rd

City: Hobbs

Phone #: 575-631-6977

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Zip:

MATRIX

PRESERV.

SAMPLING

Lab I.D.

Sample I.D.

H224809

3 2' 6"

12 4 6"

13 4 1'

14 4 2'

15 4 3'

16 4 4'

17 4 6"

18 4 1'

19 4 2'

20 4 3'

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH Ext

BTEX

Chlorides

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Relinquished By:

H2.W.L.C.

Date: 10-13-22

Received By:

Shirley Reddy

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Relinquished By:

H2.W.L.C.

Date: 10-13-22

Received By:

Shirley Reddy

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-4.3°C / 4.9°C

Sample Condition  
☒ Intact  
☐ Cool  
☐ Yes  
☐ No

CHECKED BY:  
(Initials)  
40. #113





**CARDINAL**  
Laboratories

4 of 6

4 of 4

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: Cason Spurlock

Address: 5002 Carriage Rd

City: Hobbs

Phone #: 575-631-6977

Project #:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

11224809

2 #1

2 #2

2 #3

2 #4

2 #5

2 #6

2 #7

2 #8

2 #9

2 #10

S

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S

S

S

S

S

S

4'

4"

1'

2'

3'

4'

6'

1'

2'

3'

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

10-12-22

TPH Ext.

BTEX

Chlorides

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Relinquished By:

Date: 10-13-22

Time: 0830

Received By:

Signature

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

UPS

Bus

Other

Signature

Signature

Signature

506

~~505~~

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

[illegible][illegible][illegible]

<b>Project Location:</b>					
<b>Phone #:</b>					

Sampler Name:	
Fax #:	

FOR LAB USE ONLY	
p.	
MATRIX	
PRESERV	
SAMPLING	

Ex

[illegible]

LAB C  
ONTA  
UND  
TEW  
GE  
ER;  
/BAS  
COC  
ER;  
-P  
ES  
nla

H2245809		(G)R
# CC	GRO	
	WAS	
	SOIL	
	OIL	
	SLEU	
	OTH	
	ACID	
	ICE /	
	OTH	
DATE		T
TIME		Bt
		Ct

$\infty$

$\frac{1}{\sqrt{2}}$

$$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ 0 & 1 \end{pmatrix}$$

$\frac{1}{2} \rightarrow \frac{1}{2}$

$\frac{1}{\sqrt{2}}$

$\omega_2$

$\frac{1}{\sqrt{2}}$

$\frac{1}{\sqrt{2}}$

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anyway, the claims regarding those for negligence or other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service by two event staff. Cardinal will 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 vendors.

Relinquished By: <u>                    </u>	Date: <u>12/27</u>	Received By: <u>                    </u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: <u>                    </u>
--	--------------------	--	--	--

Time:	10:15-20
Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No
REMARKS:	Add'l Fax #:

Relinquished By: 1  
Date: 6-20-20  
Received By: William Sweeney

Time: 11:30

Delivered BY: (Circle One)				
Sample Condition	CHECKED BY:			

Sampler	UPS	Bus	Other	Cool	Intact	(Initials)
113	119			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	#13
				<input type="checkbox"/>	<input type="checkbox"/>	#18

[illegible]





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 6

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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental  
Project Manager: Cason Spurlock

Address: 5002 Carriage Rd

City: Hobbs

State: NM Zip: 88242

Phone #: 575-631-6977

Fax #:

Project #:

Project Owner:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H224809

4 51 S South East Surface  
4 52 S North East Surface

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH Ext.

BTEX

Chlorides

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Relinquished By:

Date: 10-13-22

Received By:

Relinquished By:

Date: 10-13-22

Received By:

CHECKED BY: (Initials) #113

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-4.3' / -4.9'

Sample Condition  
Cool intact  
Yes ☒ No ☐

Yes ☒ No ☐

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



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

March 08, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: RISER 35

Enclosed are the results of analyses for samples received by the laboratory on 03/03/23 16:47.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 (H230992-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1230</b>	16.0	03/06/2023	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68	
<b>DRO &gt;C10-C28*</b>	<b>182</b>	10.0	03/08/2023	ND	191	95.6	200	0.812	
<b>EXT DRO &gt;C28-C36</b>	<b>35.9</b>	10.0	03/08/2023	ND					
Surrogate: 1-Chlorooctane	83.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	91.8 %	49.1-148							

**Sample ID: S - 2 (H230992-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3600</b>	16.0	03/06/2023	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68	
<b>DRO &gt;C10-C28*</b>	<b>43.5</b>	10.0	03/08/2023	ND	191	95.6	200	0.812	
<b>EXT DRO &gt;C28-C36</b>	<b>12.5</b>	10.0	03/08/2023	ND					
Surrogate: 1-Chlorooctane	84.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	90.0 %	49.1-148							

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\*=Accredited Analyte

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 3 (H230992-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	03/06/2023	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68	
DRO >C10-C28*	112	10.0	03/08/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	45.2	10.0	03/08/2023	ND					
Surrogate: 1-Chlorooctane	82.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.5 %	49.1-148							

**Sample ID: S - 4 (H230992-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	03/06/2023	ND	400	100	400	3.92		

**Sample ID: S - 5 (H230992-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	03/06/2023	ND	400	100	400	3.92		

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 (H230992-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/06/2023	ND	400	100	400	3.92	

**Sample ID: S - 7 (H230992-07)**

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	03/06/2023	ND	400	100	400	3.92	

**Sample ID: S - 8 (H230992-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	03/06/2023	ND	400	100	400	3.92		

**Sample ID: S - 9 (H230992-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	03/06/2023	ND	400	100	400	3.92	

**Sample ID: S - 10 (H230992-10)**

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	03/06/2023	ND	400	100	400	3.92	

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 11 (H230992-11)**

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	03/06/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	206	103	200	3.68	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	66.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	70.1 %	49.1-148							

**Sample ID: S - 12 (H230992-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	03/06/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	206	103	200	3.68	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	60.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	63.8 %	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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 13 (H230992-13)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/06/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	206	103	200	3.68	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	59.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	62.0 %	49.1-148							

**Sample ID: S - 14 (H230992-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/06/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	206	103	200	3.68	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	66.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	69.3 %	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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 15 (H230992-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/06/2023	ND	432	108	400	3.77		

**Sample ID: S - 16 (H230992-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	03/06/2023	ND	432	108	400	3.77	

**Sample ID: S - 17 (H230992-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	03/06/2023	ND	432	108	400	3.77	

**Sample ID: S - 18 (H230992-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/06/2023	ND	432	108	400	3.77	

**Sample ID: S - 19 (H230992-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	03/06/2023	ND	432	108	400	3.77	

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 20 (H230992-20)**

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	03/06/2023	ND	432	108	400	3.77	

**Sample ID: S - 21 (H230992-21)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	03/06/2023	ND	432	108	400	3.77		

**Sample ID: S - 22 (H230992-22)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	03/06/2023	ND	432	108	400	3.77	

**Sample ID: S - 23 (H230992-23)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	03/06/2023	ND	432	108	400	3.77	

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 24 (H230992-24)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	03/06/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68		
DRO >C10-C28*	149	10.0	03/08/2023	ND	191	95.6	200	0.812		
EXT DRO >C28-C36	59.4	10.0	03/08/2023	ND						
Surrogate: 1-Chlorooctane	73.5 %	48.2-134								
Surrogate: 1-Chlorooctadecane	81.0 %	49.1-148								

**Sample ID: S - 25 (H230992-25)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/06/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68		
DRO >C10-C28*	49.2	10.0	03/08/2023	ND	191	95.6	200	0.812		
EXT DRO >C28-C36	43.0	10.0	03/08/2023	ND						
Surrogate: 1-Chlorooctane	65.1 %	48.2-134								
Surrogate: 1-Chlorooctadecane	69.5 %	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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 26 (H230992-26)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	03/06/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68	
DRO >C10-C28*	81.1	10.0	03/08/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	25.6	10.0	03/08/2023	ND					
Surrogate: 1-Chlorooctane	76.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	82.0 %	49.1-148							

**Sample ID: S - 27 (H230992-27)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/06/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68		
DRO >C10-C28*	91.0	10.0	03/08/2023	ND	191	95.6	200	0.812		
EXT DRO >C28-C36	19.0	10.0	03/08/2023	ND						
Surrogate: 1-Chlorooctane	61.7 %	48.2-134								
Surrogate: 1-Chlorooctadecane	66.8 %	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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 28 (H230992-28)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	03/06/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68		
DRO >C10-C28*	69.8	10.0	03/08/2023	ND	191	95.6	200	0.812		
EXT DRO >C28-C36	40.9	10.0	03/08/2023	ND						
Surrogate: 1-Chlorooctane	70.7 %	48.2-134								
Surrogate: 1-Chlorooctadecane	76.6 %	49.1-148								

**Sample ID: S - 29 (H230992-29)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	03/06/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	206	103	200	3.68		
DRO >C10-C28*	53.7	10.0	03/08/2023	ND	191	95.6	200	0.812		
EXT DRO >C28-C36	48.8	10.0	03/08/2023	ND						
Surrogate: 1-Chlorooctane	73.8 %	48.2-134								
Surrogate: 1-Chlorooctadecane	79.2 %	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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 30 (H230992-30)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	03/06/2023	ND	432	108	400	3.77		

**Sample ID: S - 31 (H230992-31)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	03/06/2023	ND	416	104	400	0.00	QM-07	

**Sample ID: S - 32 (H230992-32)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: S - 33 (H230992-33)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	03/06/2023	ND	416	104	400	0.00		

**Sample ID: S - 34 (H230992-34)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/06/2023	ND	416	104	400	0.00	

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: S - 35 (H230992-35)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/06/2023	ND	416	104	400	0.00		

**Sample ID: S - 36 (H230992-36)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: NSW - 1 (H230992-37)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: NSW - 2 (H230992-38)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: NSW - 3 (H230992-39)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	03/06/2023	ND	416	104	400	0.00	

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 4 (H230992-40)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: ESW - 1 (H230992-41)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: ESW - 2 (H230992-42)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: SSW - 1 (H230992-43)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: SSW - 2 (H230992-44)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	03/06/2023	ND	416	104	400	0.00	

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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: 03/03/2023  
Reported: 03/08/2023  
Project Name: RISER 35  
Project Number: SPUR  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 3 (H230992-45)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	03/06/2023	ND	416	104	400	0.00		

**Sample ID: SSW - 4 (H230992-46)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: WSW - 1 (H230992-47)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	03/06/2023	ND	416	104	400	0.00	

**Sample ID: WSW - 2 (H230992-48)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	03/06/2023	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

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

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

Caley 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		<b>BILL TO</b>		ANALYSIS REQUEST									
Project Manager: Chris Jones		P.O. #:											
Address: 1601 N. Turner St., Ste 500		Company: SPUR											
City: Hobbs		Attn: Zsuzsanna Wolk											
Phone #: 575-964-7814		Address:											
Fax #: 575-964-7814		City:											
Project #: 2525		State: NM Zip: 88240											
Project Name: 2525		Project Owner: SPUR											
Project Location: Eden County		City:											
Sample Name: 2525		State: NM Zip: 88240											
FOR LAB USE ONLY		Phone #:											
Lab I.D.		Fax #:											
Sample I.D.		Matrix											
H30992		GROUNDWATER											
1		WASTEWATER											
2		SOIL											
3		OIL											
4		SLUDGE											
5		OTHER:											
6		ACID/BASE:											
7		ICE / COOL											
8		OTHER:											
9		DATE											
10		TIME											
5.1		03/05											
5.2													
5.3													
5.4													
5.5													
5.6													
5.7													
5.8													
5.9													
5.10													
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 arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		TPH Ext.											
Relinquished By: [Signature]		345X Removed per Cust.											
Relinquished By: [Signature]		Chlorides											
Date: 05/03		TO: 3/6/23											
Time: 1447													
Date: 1447													
Time: 1447													
Received By: [Signature]													
Delivered By: (Circle One) 2.16.0.0.0.0													
Sampler - UPS - Bus - Other: 1.5.0.0.0.0													
Sample Condition Cool, Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
Checked By: [Signature]													
REMARKS: Email Chris Jones													
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:													
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:													

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



annota

Page 18 of 21





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>BILL TO</b>					<b>ANALYSIS REQUEST</b>
Company Name: Paragon Environmental					P.O. #:
Project Manager: Chris Jones					Company: SPUR2
Address: 1601 N. Turner St., Ste 500					Attn: Brenda Weidner
City: Hobbs					State: NM Zip: 88240
Phone #: 575-964-7814					Fax #:
Project #:					Project Owner: SPUR2
Project Name: 2. SEP 05					City:
Project Location: Eddy County					State:
Sample Name: 2. SEP 05 WASTE					Zip:
FOR LAB USE ONLY					Phone #:
					Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	REMARKS	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE						OTHER :
H330992	S-21										03/03		✓	Removed per Customer  Chloro-sed
21	S-22												✓	
23	S-23												✓	
24	S-24												✓	
25	S-25												✓	
26	S-26												✓	
27	S-27												✓	
28	S-28												✓	
29	S-29												✓	
30	S-30												✓	

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Relinquished By: [Signature]	Date: 03/03	Received By: [Signature]	Time: 1447
Relinquished By: [Signature]	Date:	Received By: [Signature]	Time:

Delivered By: (Circle One) Sampler - UPS - Bus - Other: [Initials]	Sample Condition Cool Intact Yes No Yes No	CHECKED BY: [Signature] (initials)
REMARKS: EDDY COUNTY RESULTS 03/03		
Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:	
Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:	





Released to Imaging: 1/3/2024 10:52:44 AM



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental										<b>BILL TO</b>										ANALYSIS REQUEST																													
Project Manager: Chris Jones										P.O. #:																																							
Address: 1601 N. Turner St., Ste 500										Company: <i>SPWZ</i>																																							
City: Hobbs										Attn: <i>Brenden W. Miller</i>																																							
Phone #: 575-964-7814										Address:																																							
State: NM Zip: 88240										City:																																							
Project #:										State: Zip:																																							
Project Location: <i>Eddy County</i>										Phone #:																																							
Sampler Name: <i>Severin, Michael</i>										Fax #:																																							
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 :										MATRIX PRESERV SAMPLING										DATE TIME									
41 <i>HS30072</i>										ESW-1										<i>Removed per Customer Re: 3/6/23</i> <i>Chloride</i>																													
42										ESW-2																																							
43										SSW-1																																							
44										SSW-2																																							
45										SSW-3																																							
46										SSW-4																																							
47										SSW-1																																							
48										SSW-2																																							

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Relinquished By: <i>SPWZ</i>										Date: <i>03/03</i>										Received By: <i>SPWZ</i>									
Relinquished By: <i>SPWZ</i>										Date: <i>03/03</i>										Received By: <i>SPWZ</i>									
Time: <i>1047</i>										Time: <i>1047</i>										Time: <i>1047</i>									

Delivered By: (Circle One) <i>2.1c/0.0.0</i>										Sample Condition										CHECKED BY: <i>SPWZ</i>									
Sampler - UPS - Bus - Other: <i>1.5c #113</i>										Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>										Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>									

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



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

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March 23, 2023

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: RISER 35

Enclosed are the results of analyses for samples received by the laboratory on 03/20/23 15:09.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WSW - 1 (H231250-01)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2023	ND	2.24	112	2.00	1.42	
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71	
Total BTX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/21/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2023	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 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  
 CASON SPURLOCK  
 5002 CARRAIGE RD  
 HOBBS NM, 88242  
 Fax To:

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WSW - 2 (H231250-02)**

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	03/22/2023	ND	2.24	112	2.00	1.42		
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71		
Total BTEx	<0.300	0.300	03/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/21/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 4 (H231250-03)**

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	03/22/2023	ND	2.24	112	2.00	1.42	
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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  
 CASON SPURLOCK  
 5002 CARRAIGE RD  
 HOBBS NM, 88242  
 Fax To:

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 3 (H231250-04)**

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	03/22/2023	ND	2.24	112	2.00	1.42	
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 2 (H231250-05)**

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	03/22/2023	ND	2.24	112	2.00	1.42	
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71	
Total BTEX	<0.300	0.300	03/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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  
 CASON SPURLOCK  
 5002 CARRAIGE RD  
 HOBBS NM, 88242  
 Fax To:

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 3 (H231250-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2023	ND	2.24	112	2.00	1.42		
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71		
Total BTEX	<0.300	0.300	03/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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  
 5002 CARRAIGE RD  
 HOBBS NM, 88242  
 Fax To:

Received: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 2 (H231250-07)**

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	03/22/2023	ND	2.24	112	2.00	1.42		
Toluene*	<0.050	0.050	03/22/2023	ND	2.28	114	2.00	1.51		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.86		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.94	116	6.00	1.71		
Total BTEx	<0.300	0.300	03/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/21/2023	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	156	78.2	200	12.3	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	158	79.0	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

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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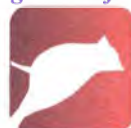
\*=Accredited Analyte

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

[illegible]





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

---

April 25, 2023

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: RISER 35

Enclosed are the results of analyses for samples received by the laboratory on 04/20/23 9:21.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/20/2023  
 Reported: 04/25/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 04/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B - 1 20' (H231915-01)**

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	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 2 22' (H231915-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 3 21' (H231915-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 4 21' (H231915-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/24/2023	ND	416	104	400	0.00	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/20/2023  
 Reported: 04/25/2023  
 Project Name: RISER 35  
 Project Number: NOT GIVEN  
 Project Location: SPUR - EDDY COUNTY

Sampling Date: 04/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B - 5 25' (H231915-05)**

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	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 6 24' (H231915-06)**

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	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 7 24' (H231915-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 8 24' (H231915-08)**

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	04/24/2023	ND	416	104	400	0.00	

**Sample ID: B - 9 21' (H231915-09)**

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	04/24/2023	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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

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**Notes and Definitions**

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

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO																																					
Project Manager: Chris Jones		Company: SPUR		ANALYSIS REQUEST																																					
Address: 1601 N. Turner St., Ste 500		Attn: Bradley W. Alder																																							
City: Hobbs		Address:																																							
Phone #: 575-964-7814		City:																																							
Fax #: 575-964-7814		State:																																							
Project #: 35		Zip:																																							
Project Name: E. 35		Phone #:																																							
Project Location: Eddy County		Fax #:																																							
Sampler Name: Jeremy Moore																																									
FOR LAB USE ONLY																																									
Lab I.D. #3915		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chlorides											
1		3.1		26'																						7/14/19															
2		3.2		22'																																					
3		3.3		21'																																					
4		3.4		21'																																					
5		3.5		25'																																					
6		3.6		24'																																					
7		3.7		24'																																					
8		3.8		24'																																					
9		3.9		21'																																					
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 arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: [Signature]		Date: 07/14/19		Received By: [Signature]		Date: 07/14/19		Time: 09:01		Sample Condition: Cool - Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]		REMARKS: Email Chris Jones results																									
Delivered By: (Circle One) - 5.4: C.O. 0.0: -6.0: #113		Sampler - UPS - Bus - Other: -6.0: #113		Sample Condition: Cool - Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]		REMARKS: Email Chris Jones results																																	

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



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

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July 11, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: RISER 35

Enclosed are the results of analyses for samples received by the laboratory on 07/10/23 16:25.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/10/2023  
Reported: 07/11/2023  
Project Name: RISER 35  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 07/01/2023  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: WSW - 1 (H233496-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	07/11/2023	ND	432	108	400	7.69	

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager





### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

[illegible]

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

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

CONDITIONS  
  
Action 239614

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 239614
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2222853195 RISER 35, thank you. This Remediation Closure Report is approved. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/3/2024