



June 7, 2023

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

**Re: Variance 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 this variance for the Riser 35 Pipe 03 (Riser).

It is the intent of Spur to request a closure variance from the New Mexico Oil Conservation District (NMOCD) regarding the current open remediation at the Riser.

More specifically, we are recommending that a Felt Bentonite Clay Liner be installed at the current 4-foot bottom excavation. This is where the source of the spill occurred and the area that was impacted by the incident. A site map (Figure 1) illustrates the impact area from this release. The area impacted measures approximately 205 feet long and 30 feet at its widest point. The liner is proposed to encapsulate the remaining chloride impacts below 5-feet deep. The nearest groundwater was determined to be 76 feet below land surface in the area outside of Loco Hills.

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. Because of this as well as that the spill happened in a pasture area and HIGH Karst area, it was cleaned up to the most stringent criteria.

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:

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 TO DATE

- The impacted area has been excavated from 4 feet to 5 feet in depth across the entire spill area.
- Spur replaced the riser with all-new stainless-steel fittings and valves.
- Confirmation and Boring samples have been obtained for vertical and horizontal delineation. These samples were taken at 4- and 5-foot depths for bottoms and sidewalls.

3-3-23 Confirmation Bottom and Sidewall Sample Results

NMOCD 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 this 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

VARIANCE REQUEST

- Paragon will advance the WSW-1 area an additional 1 foot and resample. Based on clean field titrations obtained and tested, that additional foot will eliminate the chlorides horizontally on that sidewall.
- Paragon will then install a Felt Bentonite Clay Liner at the excavation depth of 4-5 feet along the length of the excavation. The liner will be keyed at the edges to prevent future movement. Clean topsoil and sand have been stockpiled at the site and will be used to backfill the area.

Paragon requests that the incident, NAPP2222853195, be granted the variance to advance bringing the incident to closure.

If you have any questions or need additional information, please contact Chris Jones at (575)964-7814 or email at 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:

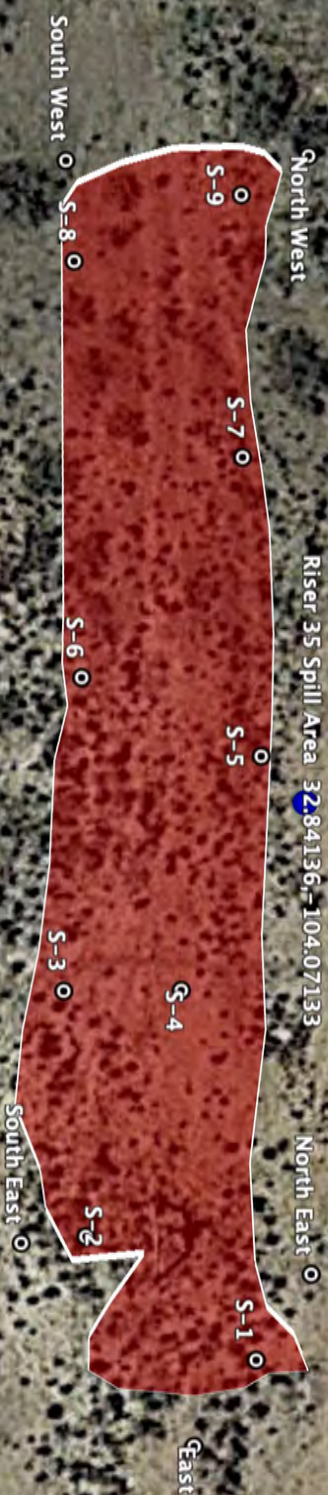
- 1-Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Aerial Map

Spur Energy Partners

Riser 35 Pipe 03
Eddy County, NM
Site Map

Legend

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



North West

Riser 35 Spill Area 32.84136,-104.07133

North East

East

South West

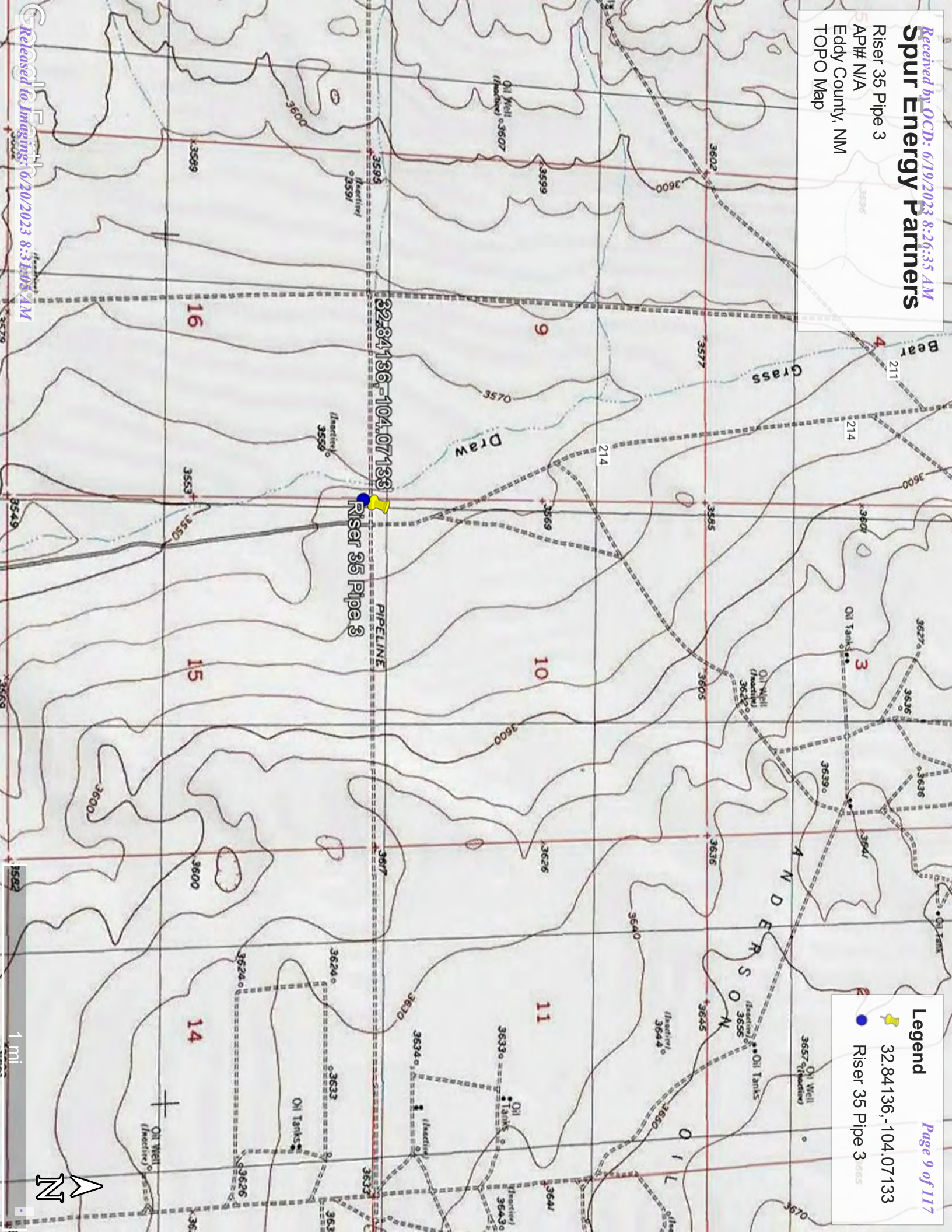
South East



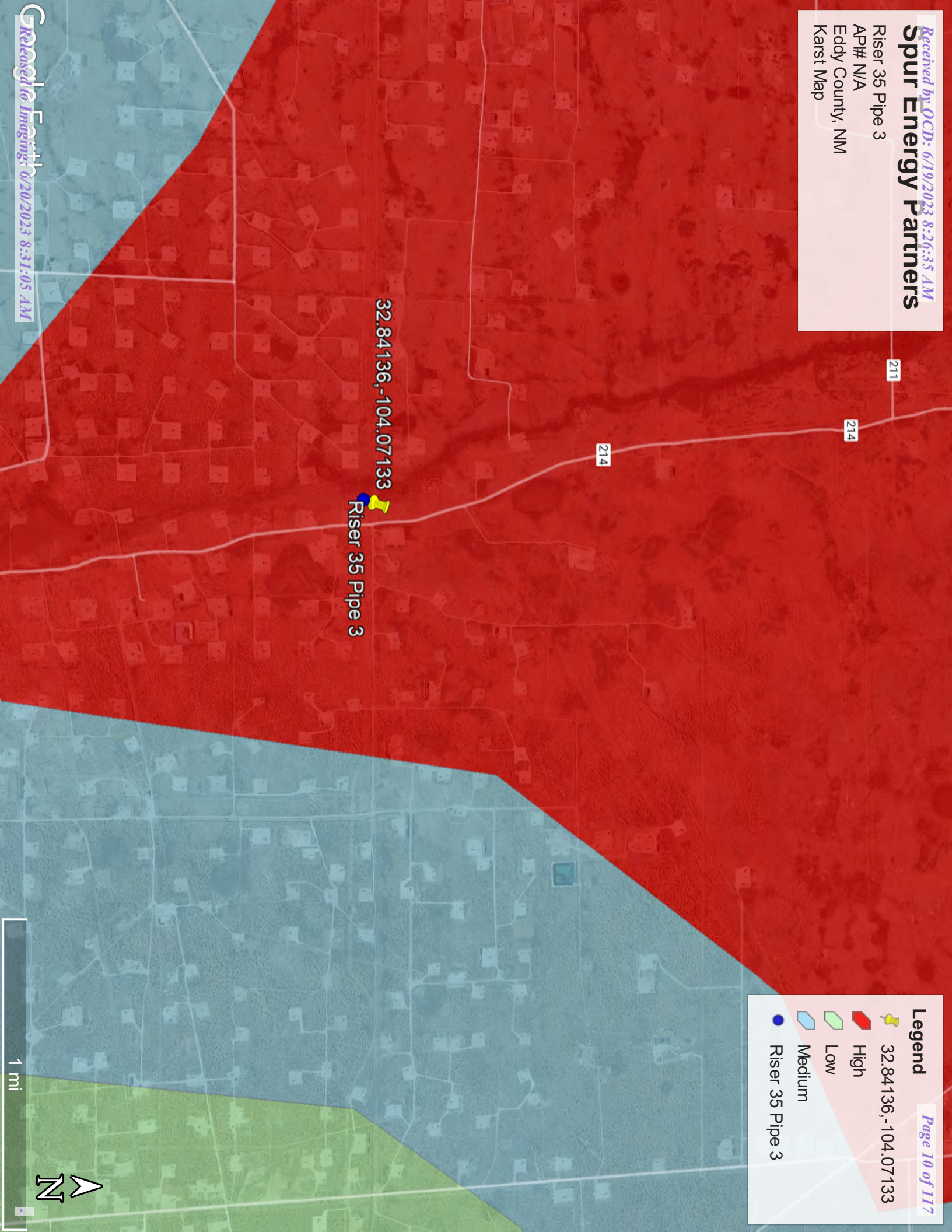
Riser 35 Pipe 3
AP# N/A
Eddy County, NM
TOPO Map

Legend


- 32.84136, -104.07133
- Riser 35 Pipe 3

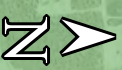


Riser 35 Pipe 3
AP# N/A
Eddy County, NM
Karst Map





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

Google Earth

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82

209

210

82

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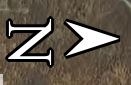
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U.S. Hwy 82



3 mi

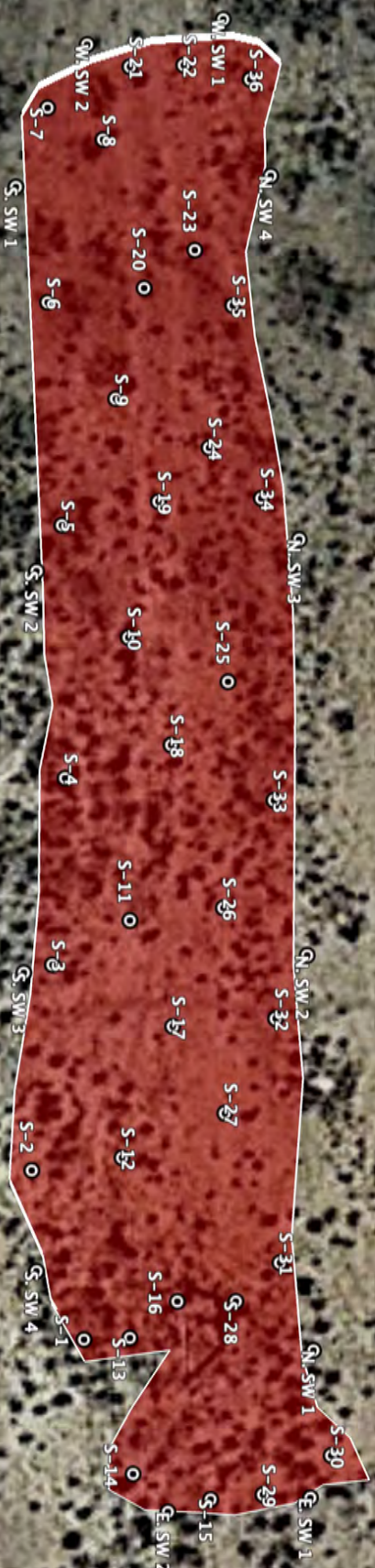


Spur Energy Partners

Riser 35 Pipe 03
Eddy County, NM
1st Confirmation Map

Legend

-  Samples
-  Spill Area

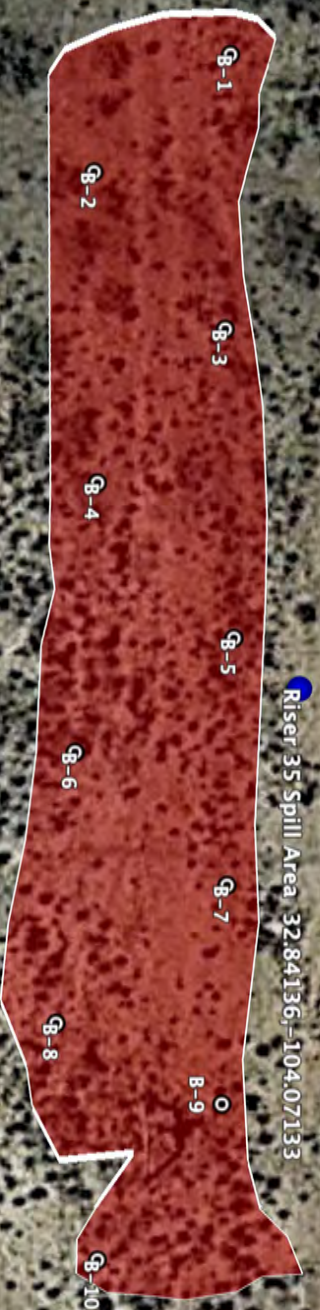


Riser 35 Spill Area 32.84136,-104.07133



Spur Energy Partners

Riser 35 Pipe 03
Eddy County, NM
Boring Map



Riser 35 Spill Area 32.84136,-104.07133






Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

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












Legend




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

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

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

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 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 unmodernized 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>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>08/17/2022</u>



Appendix D:
Photographic Documentation

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







Appendix E:
Laboratory Results



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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 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
Chloride	1230	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*	182	10.0	03/08/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	35.9	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
Chloride	3600	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*	43.5	10.0	03/08/2023	ND	191	95.6	200	0.812	
EXT DRO >C28-C36	12.5	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



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 - 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, SM4500Cl-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



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 - 13 (H230992-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	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, SM4500CI-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



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 - 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, SM4500CI-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



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 - 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



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



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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 - 28 (H230992-28)

Chloride, SM4500CI-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, SM4500Cl-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, 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: 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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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, 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: ESW - 2 (H230992-42)

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: SSW - 1 (H230992-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	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



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: SSW - 3 (H230992-45)

Chloride, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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

[illegible]



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		ANALYSIS REQUEST																																	
Project Manager: Chris Jones		Company: SPUE																																					
Address: 1601 N. Turner St., Ste 500		Attn: Brady Melcher																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #: 575-964-7814		State: NM																																					
Project #: 575-964-7814		Zip: 88240																																					
Project Name: 23ev 35		State:																																					
Project Location: Elder County		Phone #:																																					
Sample Name: 23ev 35		Fax #:																																					
FOR LAB USE ONLY		PRESERV		SAMPLING																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME											
11330992		S-11																								03/03													
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental				BILL TO				ANALYSIS REQUEST			
Project Manager: Chris Jones				P.O. #:							
Address: 1601 N. Turner St., Ste 500				Company: SPVZ							
City: Hobbs				State: NM zip: 88240				Attn: Brady Wolder			
Phone #: 575-964-7814				Fax #:				Address:			
Project #:				Project Owner: SPVZ				City:			
Project Name: 2-SV 35				State:				Zip:			
Project Location: Eddy County				Phone #:							
Sampler Name: Devon Wolder				Fax #:							
<small>FOR LAB USE ONLY</small>											
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						
H30992	S-31										
31	S-32										
32	S-33										
33	S-34										
34	S-35										
35	S-36										
36	N5W.1										
37	N5W.2										
38	N5W.3										
39	N5W.4										
40	N5W.5										

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Relinquished By:	Date: 8/13	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 1:47			Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Date:			REMARKS:	
Time:				

Delivered By: (Circle One) 2-13 C-O-V
Sampler - UPS - Bus - Other: 15-7113
Cool Intact ☒ Yes ☐ No
Checked BY: (Initials)
Cardinal cannot accept verbal changes. Please fax within 48 hours of receipt.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental				BILL TO				ANALYSIS REQUEST												
Project Manager: Chris Jones				P.O. #:																
Address: 1601 N. Turner St., Ste 500				Company: S.W.																
City: Hobbs				State: NM zip: 88240																
Phone #: 575-964-7814				Fax #:																
Project #:				Attn: Evelyn W. Miller																
Project Owner:				Address:																
Project Name: 2-11-03				City:																
Project Location: Eddy County				State:																
Sampler Name: Evelyn W. Miller				Phone #:																
FOR LAB USE ONLY				Fax #:																
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				
H3300P2		ESW-1													03/03					
41		ESW-2																		
43		SSW-1																		
44		SSW-2																		
45		SSW-3																		
46		SSW-4																		
47		WSW-1																		
48		WSW-2																		

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Relinquished By:		Date: 03/03		Received By:		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: 1047		Received By:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		REMARKS:			
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)					
2-11-03		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		SW					
1-5-#113									

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 203-2326



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

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.

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: 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)

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) 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

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: 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



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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



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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



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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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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: 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, SM4500CI-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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Celey D. Keene, Lab Director/Quality Manager



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

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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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

Company Name: Paragon Environmental														
Project Manager: Chris Jones														
Address: 1601 N. Turner St., Ste 500														
City: Hobbs State: NM Zip: 88240														
Phone #: 575-964-7814 Fax #:														
Project #:														
Project Owner: SFL Env'r														
Project Location: Rte 35 Km 1 E 419														
Sample Name: Haze / O. Kna														
FOR LAB USE ONLY														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERVATION ACID/BASE: ICE / COOL OTHER :	SAMPLING DATE TIME	ANALYSIS REQUEST							
H231A50	WSU-1	a	1			3-17	Chlorides							
	WSU-2						BTEX							
	SSU-4						TPH							
	SSU-3													
	WSU-5													
	WSU-2													
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.														
Relinquished By: [Signature]		Date: 3-17	Received By: [Signature]											
Refused By: [Blank]		Date: [Blank]	Received By: [Blank]											
Delivered By: (Circle One)		Date: 3/20/03	Received By: [Signature]											
Sampler - UPS - Bus - Other:		Time: 5:09 PM	Sample Condition Cool Intact Yes No											
[Initials] 7a-c#13		[Initials]	CHECKED BY: [Signature]											
REMARKS:		Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:												



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.

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".

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	

Cardinal Laboratories

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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: 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, 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 - 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

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

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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

Company Name: Paragon Environmental Project Manager: Chris Jones Address: 1601 N. Turner St., Ste 500 City: Hobbs State: NM Zip: 88240 Phone #: 575-964-7814 Fax #: Project #: Project Name: <u>2.5x 3.5</u> Project Location: <u>Edley County</u> Sampler Name: <u>Jeremy Moore</u>		P.O. #: Company: <u>SPUR</u> Attn: <u>Rocky Walker</u> Address: City: State: Zip: Phone #: Fax #:	
Lab I.D.		Sample I.D.	
FOR LAB USE ONLY		(G)RAB OR (C)OMP.	
# CONTAINERS		MATRIX	
GROUNDWATER		PRESERV	
WASTEWATER		SAMPLING	
SOIL		DATE	
OIL		TIME	
SLUDGE		Chlorides	
OTHER :			
ACID/BASE:			
ICE / COOL			
OTHER :			

Lab I.D.	Sample I.D.	DATE	TIME	Chlorides
1	3.1	2.0		
2	3.2	2.2		
3	3.3	2.1		
4	3.4	2.1		
5	3.5	2.5		
6	3.6	2.4		
7	3.7	2.4		
8	3.8	2.4		
9	3.9	2.1		

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Relinquished By: <u>CR</u> Relinquished By: <u>CR</u>	Date: <u>04/19</u> Time: <u>09:01</u> Date: <u>09:01</u> Time:	Received By: <u>Rocky Walker</u> Received By: <u>Rocky Walker</u>
REMARKS:		

Delivered By: (Circle One) <u>-54-</u> <u>0.0.0.0</u> Sampler - UPS - Bus - Other: <u>#13</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	CHECKED BY: <u>Rocky Walker</u> 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 #: REMARKS:
--	--	---

Envirol (Chris Jones 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.

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: 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)

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	1.98	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 BTX	<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, SM4500Cl-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

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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

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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, SM4500CI-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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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)

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) 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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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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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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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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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, SM4500CI-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)

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	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)

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) 97.9 % 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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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 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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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 1' (H224809-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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) 97.8 % 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	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)

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) 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



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 3' (H224809-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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, SM4500Cl-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



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 2' (H224809-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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) 97.3 % 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



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 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)

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) 97.0 % 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)

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	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 BTX	<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	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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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)

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	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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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, SM4500Cl-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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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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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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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 2' (H224809-29)

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) 97.1 % 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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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 3' (H224809-30)

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	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, SM4500CI-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



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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 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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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)

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	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, SM4500CI-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)

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) 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, SM4500CI-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

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 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



101

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

PLEASE NOTE: Liability and Damages: Carefirst's liability and clients' exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the services. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Carefirst within 30 days after completion of the applicable service. In no event shall Carefirst 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 Carefirst, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Reinquished By: _____ **Date:** 07/27/2017 **Received By:** _____ **Phone Result:** _____

Reinquinshed By:	Date: 10-13-22	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Reinquinshed By:	Time: 0830	Date:	Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
Time:		Received By:	REMARKS:			
Delivered By: (Circle One)			Email to Chris Jones			
Sampler - UPS - Bus - Other:		Sample Condition				
		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				
		Yes <input type="checkbox"/> No <input type="checkbox"/>				
		Yes <input type="checkbox"/> No <input type="checkbox"/>				
		CHECKED BY:				
		(Initials)				

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:

Lab I.D.

Sample I.D.

H224809

3 2'

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: 6-13-22

Received By: Juana Rodriguez

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Relinquished By:

H2.W.L.C.

Date: 6-13-22

Received By: Juana Rodriguez

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Relinquished By:

H2.W.L.C.

Date: 6-13-22

Received By: Juana Rodriguez

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Relinquished By:

H2.W.L.C.

Date: 6-13-22

Received By: Juana Rodriguez

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Relinquished By:

H2.W.L.C.

Date: 6-13-22

Received By: Juana Rodriguez

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-4.3°C / 4.9°C

Sample Condition
Cool Intact
☒ Yes ☐ No

CHECKED BY: (Initials)
40. #113

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



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

5 5 4 4

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2 2 2 2

(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

Time: 0830

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature

Relinquished By:

Date:

Time:

Received By:

Signature



676

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

CONDITIONS

Action 229954

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 229954
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	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.	6/20/2023