



December 20, 2022

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, Reclamation, and Closure Report
JG State 16 #5 Tank Battery
API No. 30-025-39799
GPS: Latitude 32.8355103 Longitude -103.7734222
UL "F", Sec. 16, T17S, R32E
Lea County, NM
NMOCD Ref. No. NAPP2122152433

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities, and reclaim the old containment area for the release site known as the JG State 16 #5 Tank Battery (JG). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	495 bbls
		Volume Recovered:	495 bbls
Source of Release:	Produced Water Tank	Date of Release:	07/23/21
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	Mike Bratcher, NMOCD
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	State
Lightning struck the produced water tank causing a fire and the release of produced water. All fluids were contained within a lined containment. Vacuum trucks were able to recover all standing fluids.			

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	<50'
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?	NO
Within a 100-year floodplain?	NO

A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average groundwater depth within one (1) Mile radius of the Release Site and identify any registered water wells within ½ Mile of the Release Site. The data initially found on the State Engineers website showed there was no water data within a ½ mile radius. With this being the case, we cleaned it 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 Eolian and piedmont deposits (Holocene to middle Pleistocene)— Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (QEP). The soil in this area is made up of Pyote and Maljamar Fine Sands, with 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 NOT a high potential for karst geology to be present around the JG (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 August 16, 2022, Paragon conducted a site visit to evaluate the site. There was no evidence that any fluids had breached the containment. The liner was not visible due to the gravel and dirt covering it as much as 1-foot in much of the containment. Much of the infrastructure was still on site though was burned and not operable. Initial samples were not obtained at this point because we wanted to remove the old material and liner to expose what was underneath.

A Site Map & Sample Maps are provided in Figures #1 and #5.

REMEDIATION ACTIVITIES

On August 12, 2022, Paragon mobilized personnel and heavy equipment to conduct remedial activities. Based on the site characteristics and field observations made during the site assessment, the following details the remedial activities we conducted to advance the Release Site toward an NMOCD-approved site closure.

Our remediation began on the east end, where the separators were located. No staining was noted once this area was exposed, so we obtained soil samples in this area to determine if there was any contamination that needed to be addressed. The results are attached in the data table below.

10-07-22 Preliminary Samples (Separator Area)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 10-07-22		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	ND	ND	ND	ND	208
	1'	ND	ND	ND	ND	ND	ND	32
S-2	6"	ND	ND	ND	ND	ND	ND	352
	1'	ND	ND	ND	ND	ND	ND	128
S-3	6"	ND	ND	ND	ND	ND	ND	3120
	1'	ND	ND	ND	ND	ND	ND	1020
S-4	6"	ND	ND	ND	ND	ND	ND	832
	1'	ND	ND	ND	ND	ND	ND	368
S-5	6"	ND	ND	ND	ND	ND	ND	4640
	1'	ND	ND	ND	ND	ND	ND	2080
S-6	6"	ND	ND	ND	687	352	1039	192
	1'	ND	ND	ND	64.4	49.8	114.2	144

(ND) - Analyte Not Detected

We used these sample results as a baseline for this area and later continued to advance this part of the excavation to 2 feet. We continued to excavate the remainder of the battery while waiting on the above sample results.

Once the rest of the battery was excavated, we found heavy staining below where the tanks were located. We dug several test holes throughout the battery to determine the vertical extent of the contamination. Once we found clean soil, we ran field titrations for

chlorides, and based on these results, the contamination was clean at 4-feet BGS. We advised Spur personnel of our findings and requested to proceed to excavate all the material to 4-feet.

Once these areas were excavated, we emailed the NMOCD, giving them a 48-hour notification that we would be obtaining confirmation samples. We utilized 5-point bottom composite sampling and sidewall composite sampling, where each sample was representative of no more than 200 sq/ft. The results of this event are in the following data table:

10-24-22 Confirmation Samples

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 10-24-22		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	2'	ND	ND	ND	ND	ND	ND	32
S-2	2'	ND	ND	ND	ND	ND	ND	32
S-3	2'	ND	ND	ND	ND	ND	ND	32
S-4	2'	ND	ND	ND	ND	ND	ND	16
S-5	2'	ND	ND	ND	ND	ND	ND	16
S-6	2'	ND	ND	ND	ND	ND	ND	32
S-7	4'	ND	ND	ND	ND	ND	ND	16
S-8	4'	ND	ND	ND	ND	ND	ND	16
S-9	4'	ND	ND	ND	ND	ND	ND	16
S-10	4'	ND	ND	ND	ND	ND	ND	32
S-11	4'	ND	ND	ND	ND	ND	ND	4400
S-12	4'	ND	ND	ND	ND	ND	ND	32
S-13	4'	ND	ND	ND	ND	ND	ND	16
S-14	4'	ND	ND	ND	ND	ND	ND	16
S-15	4'	ND	ND	ND	ND	ND	ND	32
S-16	4'	ND	ND	ND	ND	ND	ND	32
SSW-1	4'	ND	ND	ND	ND	ND	ND	672
SSW-2	4'	ND	ND	ND	ND	ND	ND	528
SSW-3	4'	ND	ND	ND	ND	ND	ND	494
SSW-4	2'	ND	ND	ND	ND	ND	ND	864
NSW-1	2'	ND	ND	ND	ND	ND	ND	128
NSW-2	4'	ND	ND	ND	ND	ND	ND	160
NSW-3	4'	ND	ND	ND	ND	ND	ND	112
NSW-4	4'	ND	ND	ND	ND	ND	ND	176
ESW-1	2'	ND	ND	ND	ND	ND	ND	326
ESW-2	2'	ND	ND	ND	ND	ND	ND	432
WSW-1	4'	ND	ND	ND	ND	ND	ND	3120
WSW-2	4'	ND	ND	ND	ND	ND	ND	2280

ND- Analyte Not Detected

Based on the results of our sampling event, there were several areas we needed to extend the excavation.

- In the vicinity of S-11, we advanced an additional 6 inches vertically.
- The sidewalls in the vicinity of SSW-4 were advanced an additional 6 inches horizontally.
- The sidewalls in the vicinity of WSW-1 and WSW-2 were advanced an additional 1 foot.

Once this was completed, additional samples were again obtained and sent to the lab. The results of this event are in the following data table:

10-27-22 Confirmation Samples

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 10-27-22		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-11	4.5'	---	---	---	---	---	---	48
SSW-4	2'	---	---	---	---	---	---	32
WSW-1	4'	---	---	---	---	---	---	80
WSW-2	4'	---	---	---	---	---	---	32

(--) Analyte Not Tested, (ND) Analyte Not Detected

The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. During this process, we were reviewing the data and realized that we had missed the SSW1 sample that was still above closure. We horizontally extended this area by an additional 6 inches and resampled. The results are in the following data table:

11-14-22 Confirmation Sample

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 11-14-22		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
SSW1	4'	ND	ND	ND	ND	ND	ND	48

(ND) Analyte Not Detected

After receiving laboratory analytical results below the closure criteria, the excavated areas were backfilled with “like” material obtained from a local sand pit and Lea Land. The affected area was then contoured and machine-compacted to match the surrounding pasture.

After reviewing the data to write the report, we remeasured the area that what reclaimed against the number of confirmation samples and realized we needed more to be in compliance with rule 19.15.29.12 part D Sub 1 (c) in regard to the 200 sq/ft per sample. So on January 11, 2023, Paragon sent additional techs to obtain additional samples from the reclaimed area. Samples we retrieved at the depths the excavation were and along the edges to account for any sidewalls. The results of this event can be found in the following data table.

1-11-23 Sampling Event

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')		
Sample Date 1-11-23		Closure Criteria ≤600 mg/kg
Sample ID	Depth (BGS)	CHLORIDES
S-17	2'	16
S-18	2'	ND
S-19	2'	16
S-20	2'	ND
S-21	2'	16
S-22	2'	32
S-23	2'	16
S-24	2'	16
S-25	2'	ND
S-26	2'	ND
S-27	4'	16
S-28	4'	ND
S-29	4'	16
S-30	4'	32
S-31	4'	ND
S-32	4'	16
S-33	4'	16
S-34	4'	16
S-35	4'	16
S-36	4'	ND
S-37	4'	ND
S-38	4'	16
S-39	4'	16
S-40	4'	16
S-41	4'	16
S-42	4'	ND
S-43	4'	ND
S-44	4'	16
S-45	4'	ND
S-46	4'	ND
S-47	4'	ND

To fully reclaim this area of the pad, we will return in the spring to re-seed with Seed Mixture for LPC Sand/Shinnery Sites. Which includes: Plains Bristlegrass 5lbs/Acre, Sand Bluestem 5lbs/Acre, Little Bluestem 3lbs/Acre, Big Bluestem 6lbs/Acre, Plains Coreopsis 2lbs/Acre, Sand Dropseed 1lbs/Acre.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2122152433, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)964-7814 or email at tristan@paragonenvironmental.net.

Respectfully,

Tristan Jones
Project Coordinator
Paragon Environmental, LLC



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

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

Appendices:

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






Figures:

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

Spur Energy Partners

JG State 16 #5 Tank Battery
AP# 30-024-39799
Lea County, NM
Site Map

Legend

-  4' Excavation
-  Affected Area
-  JG State #5 32.8355, -103.7734

JG State #5 32.8355, -103.7734

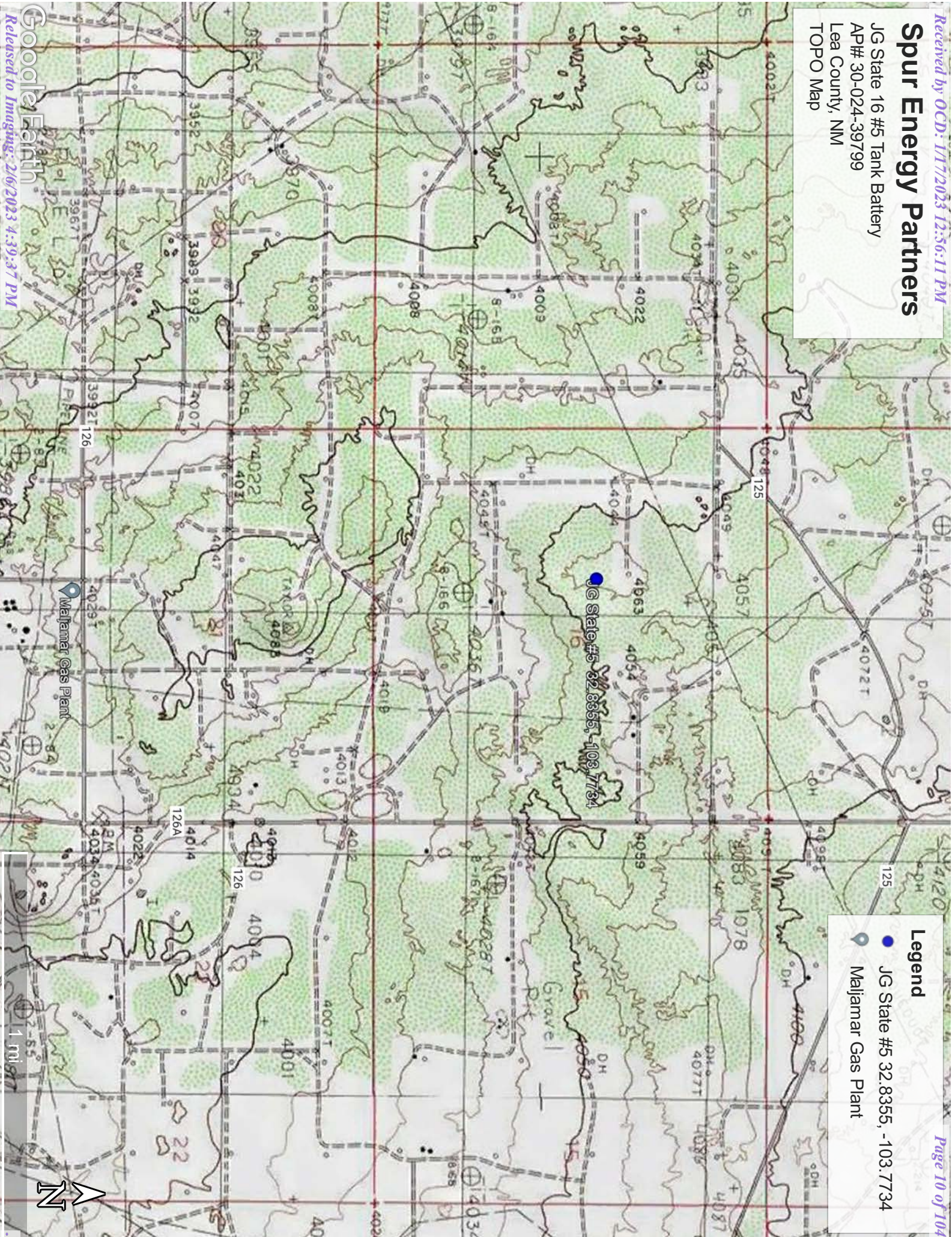
Google Earth

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100 ft




JG State 16 #5 Tank Battery
AP# 30-024-39799
Lea County, NM
TOPO Map





Spur Energy Partners


JG State 16 #5 Tank Battery
AP# 30-024-39799
Lea County, NM
Karst Map

Legend

 High

 JG State #5 32.8355, -103.7734

 Low

 Medium

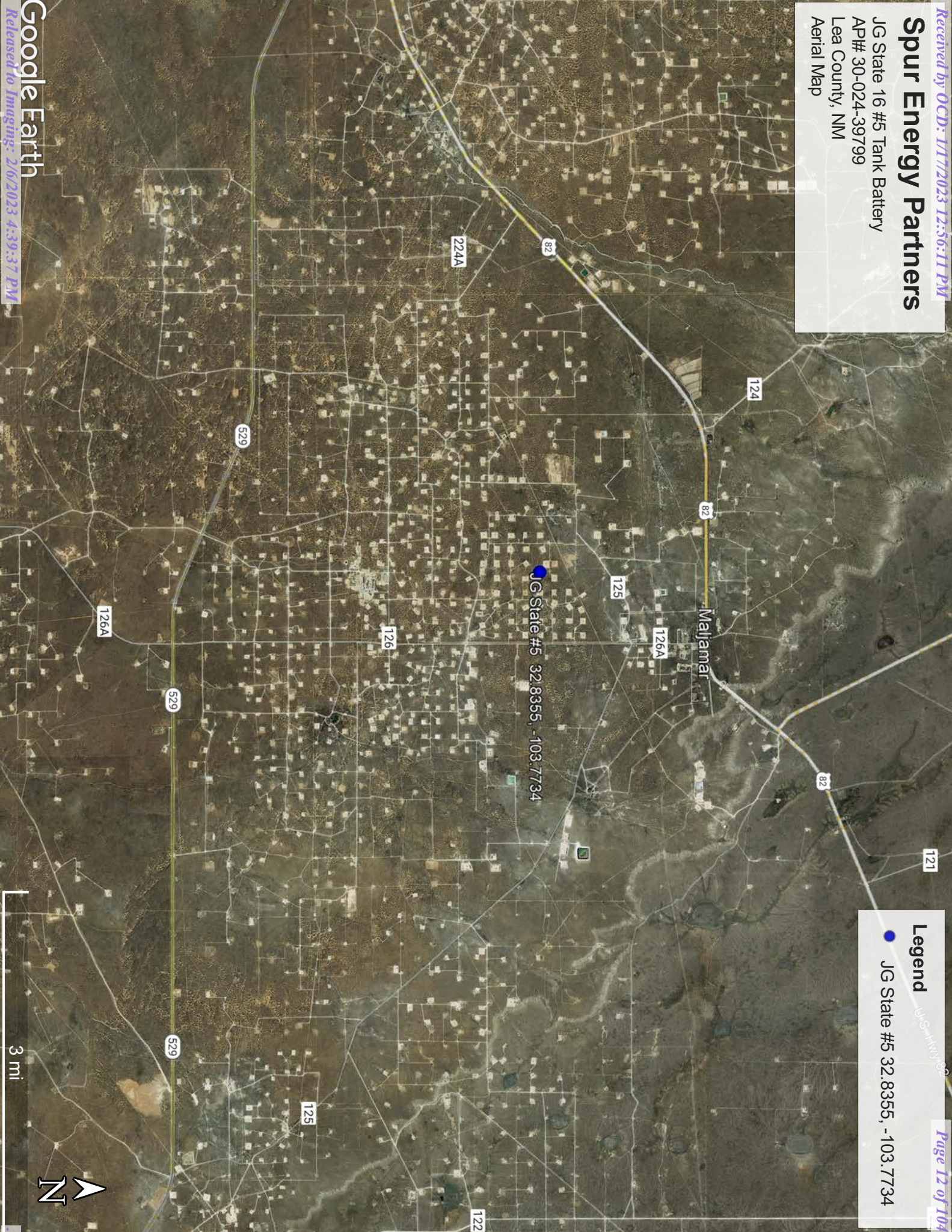


Spur Energy Partners

JG State 16 #5 Tank Battery
AP# 30-024-39799
Lea County, NM
Aerial Map

Legend

● JG State #5 32.8355, -103.7734



Spur Energy Partners

JG State 16 #5 Tank Battery
API# 30-025-39799
Lea County, NM
Confirmation Sample Map

Legend

- 2' Excavation
- 4' Excavation
- Samples

JG State #5 32.8355, -103.7734

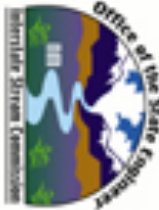
NSW-3			NSW-2			NSW-1		
Q-47	Q-43	Q-42	Q-37	Q-36	Q-30	Q-29	Q-19	Q-18
Q-16	Q-14	Q-12	Q-38	Q-35	Q-32	Q-31	Q-28	Q-20
Q-46	Q-44	Q-41	Q-38	Q-35	Q-32	Q-31	Q-28	Q-20
Q-15	Q-13	Q-11	Q-39	Q-34	Q-33	Q-27	Q-26	Q-25
Q-45	Q-40	Q-39	Q-34	Q-33	Q-27	Q-26	Q-25	Q-24
SSW-1			SSW-2			SSW-3		
Q-16	Q-14	Q-12	Q-38	Q-35	Q-32	Q-31	Q-28	Q-20
Q-46	Q-44	Q-41	Q-38	Q-35	Q-32	Q-31	Q-28	Q-20
Q-15	Q-13	Q-11	Q-39	Q-34	Q-33	Q-27	Q-26	Q-25
Q-45	Q-40	Q-39	Q-34	Q-33	Q-27	Q-26	Q-25	Q-24





Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer

Water Column/Average Depth to Water



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

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

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

(NAD83 UTM in meters)

(In feet)

POD													Sub-		Q Q Q			Sec		Tw		Rng		X		Y		Distance		Depth Well		Depth Water		Water Column	
POD Number		Code		basin		County		64		16		4		Sec		Tw		Rng		X		Y		Distance		Depth Well		Depth Water		Water Column					
RA08855		RA		LE		4		1		1		10		17S		32E		616061		3635742*				2385		158									
RA12521		RA		LE		3		3		4		21		17S		32E		615127		3631271				2468		105		92		13					

Average Depth to Water: 92 feet

Minimum Depth: 92 feet

Maximum Depth: 92 feet

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 614798.465 Northing (Y): 3633717.59 Radius: 2500

*UTM location was derived from PLSS - see Help

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.

12/22/22 4:14 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Appendix B
Soil Survey:

U.S.D.A.
FEMA Flood Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

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

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
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: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico





Survey Area Data: Version 19, 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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OTHER AREAS OF FLOOD HAZARD	 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	 Future Conditions 1% Annual Chance Flood Hazard Zone X
	 Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	 Area with Flood Risk due to Levee Zone D

OTHER AREAS	 Area of Minimal Flood Hazard Zone X
	 Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	 Channel, Culvert, or Storm Sewer
	 Levee, Dike, or Floodwall

 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation	 8 Coastal Transect
	 Base Flood Elevation Line (BFE)
	 Limit of Study
	 Jurisdiction Boundary
OTHER FEATURES	 Coastal Transect Baseline
	 Profile Baseline
	 Hydrographic Feature

MAP PANELS	 Digital Data Available
	 No Digital Data Available
	 Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/14/2022 at 3:32 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





Appendix C:

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2122152433
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Spur Energy Partners LLC	OGRID	328947
Contact Name	Braidy Moulder	Contact Telephone	713-264-2517
Contact email	bmoulder@spurepllc.com	Incident # (assigned by OCD)	NAPP2122152433
Contact mailing address	2407 Pecos Avenue, Artesia, NM 88210		

Location of Release Source

Latitude 32.83518 Longitude -103.77344
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	J G State #005 Tank Battery	Site Type	Production
Date Release Discovered	07/23/2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
F	16	17S	32E	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) 495	Volume Recovered (bbls) 495
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input 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
Lightning struck the produced water tank causing a fire and the release of produced water. All fluids were contained within a lined containment. Vacuum trucks were able to recover all standing fluids.

Incident ID	NAPP2122152433
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? >25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Dakota Neel (SPUR) sent an email to Mike Bratcher and Jim Griswold on 07/23/2021.	

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>Dakota Neel</u>	Title: <u>HSE Coordinator</u>
Signature: <u></u>	Date: <u>8/9/2021</u>
email: <u>dneel@spurellc.com</u>	Telephone: <u>832-849-7837</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>8/9/2021</u>

Incident ID	NAPP2122152433
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2122152433
District RP	
Facility ID	
Application ID	

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 01/17/2023

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 01/17/2023

Incident ID	NAPP2122152433
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 01/17/2023

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 01/17/2023

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

Closure Approved by: Jennifer Nobui

Date: 02/06/2023

Printed Name: Jennifer Nobui

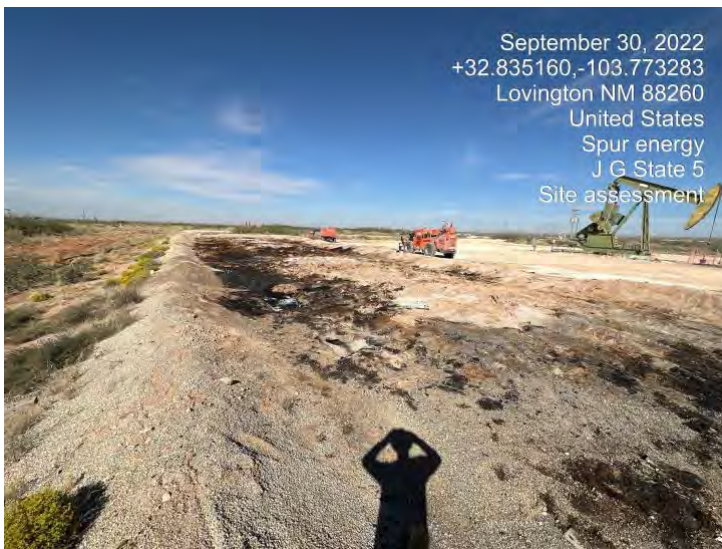
Title: Environmental Specialist A



Appendix D:
Photographic Documentation



Photographic Documentation
Before Remediation



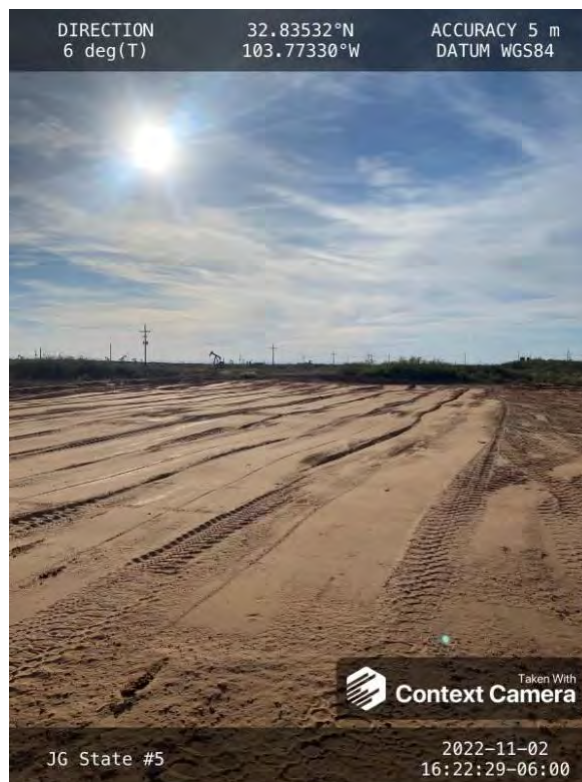
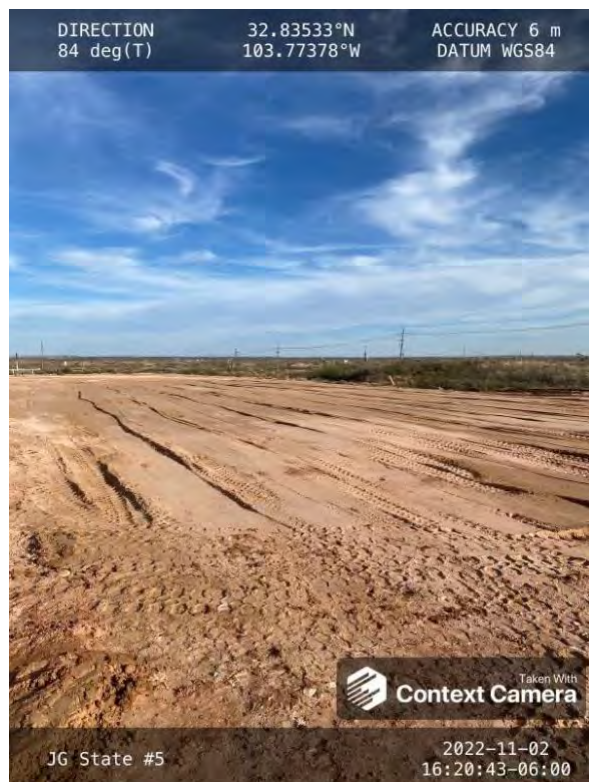
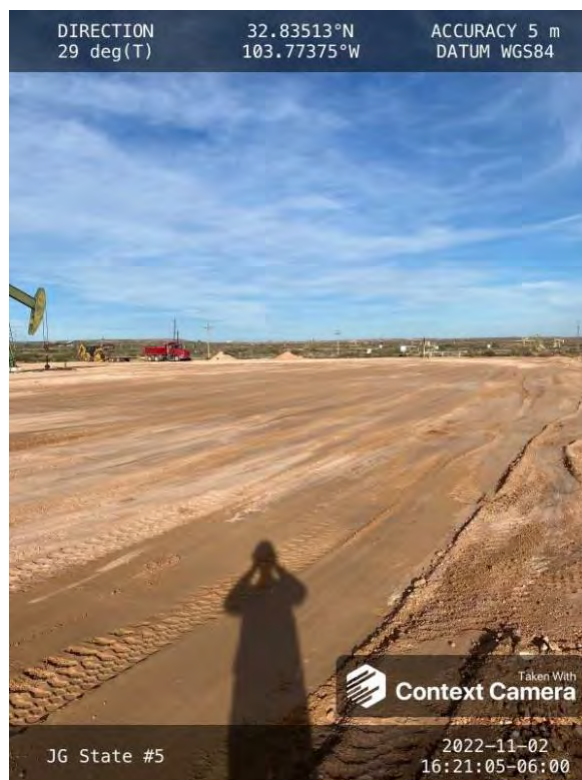


Photographic Documentation
During Remediation





Photographic Documentation
Post Remediation



Wednesday, December 7, 2022 at 11:14:59 Mountain Standard Time

Subject: RE: [EXTERNAL] Confirmation samples
Date: Friday, October 21, 2022 at 3:39:16 PM Mountain Daylight Time
From: Bratcher, Michael, EMNRD
To: Angel Pena, Chris Jones, Hamlet, Robert, EMNRD, Harimon, Jocelyn, EMNRD, Nobui, Jennifer, EMNRD, Tristan Jones
Attachments: image001.jpg

Angel,

Thank you for the notification. Be aware that the relevant portion/portions of 19.15.29 NMAC requires notification two business days prior to obtaining confirmation samples. The same is required for liner inspections as well. You may request a variance from this requirement "upon a showing of good cause as determined by the division." A notification on Friday afternoon would allow for sampling or liner inspection the following Wednesday. Also, please include the OCD generated incident number on all notifications, and include a copy of all correspondence in the remediation proposal and/or closure report.

Since this notification requirement has largely been interpreted as meaning 48 hours, you may proceed on your schedule for this one, just be aware of the requirement going forward.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov *NOTE NEW EMAIL ADDRESS*
<http://www.emnrd.state.nm.us/OCD/>



From: Angel Pena <angel@paragonenvironmental.net>
Sent: Friday, October 21, 2022 1:00 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chris Jones <chris@paragonenvironmental.net>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Tristan Jones <tristan@paragonenvironmental.net>
Subject: [EXTERNAL] Confirmation samples

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

This is to inform you all we will be collecting confirmation samples at the J G state #5 Monday 10-24-22 at 2:00 PM . If you have any questions or concerns, please let me know.

Thank You,

Angel Peña
575-605-0773
Paragon Environmental LLC.



Appendix E:
Laboratory Results



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

October 10, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: JG STATE #5

Enclosed are the results of analyses for samples received by the laboratory on 10/07/22 17:00.

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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-1 1' (H224735-01)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.0 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-1 0-6" (H224735-02)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.9 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-2 1' (H224735-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	10/10/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-2 0-6" (H224735-04)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	352	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.4 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-3 1' (H224735-05)

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	10/10/2022	ND	2.03	101	2.00	1.88		
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97		
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48		
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64		
Total BTX	<0.300	0.300	10/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1020	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.7 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-3 0-6" (H224735-06)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTEX	<0.300	0.300	10/10/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-4 1' (H224735-07)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	368	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-4 0-6" (H224735-08)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 101 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-5 1' (H224735-09)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTEX	<0.300	0.300	10/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2080	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-5 0-6" (H224735-10)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-6 1' (H224735-11)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	64.4	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	49.8	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 128 % 45.3-161

Surrogate: 1-Chlorooctadecane 151 % 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: 10/07/2022
 Reported: 10/10/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-6 0-6" (H224735-12)

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	10/10/2022	ND	2.03	101	2.00	1.88	
Toluene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	1.97	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	1.96	98.0	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	5.94	99.0	6.00	2.64	
Total BTX	<0.300	0.300	10/10/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/10/2022	ND	400	100	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	10/10/2022	ND	194	97.0	200	2.01	
DRO >C10-C28*	687	10.0	10/10/2022	ND	186	93.2	200	0.499	
EXT DRO >C28-C36	352	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 160 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO		ANALYSIS REQUEST																																			
Project Manager: Cason Spurlock		Company: <i>SWR</i>																																							
Address: 5002 Carriage Rd		Attn:																																							
City: Hobbs		Address:																																							
Phone #: 575-631-6977		City:																																							
Fax #:		State:																																							
Project #:		Zip:																																							
Project Name: <i>TC State #5</i>		Project Owner: <i>For Enery</i>																																							
Project Location:		Phone #:																																							
Sampler Name: <i>Angel & Ben</i>		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													
<i>H224735</i>		<i>5-1 1'</i>		<i>4</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>1</i>		<i>10-2</i>		<i>10-2</i>		<i>Chlor: 4-5</i> <i>13TEX</i> <i>T PH</i>											
<i>2 5-1 0-6"</i>		<i>3 5-2 1'</i>		<i>4 5-2 0-6"</i>		<i>5 5-3 1'</i>		<i>6 5-3 0-6"</i>		<i>7 5-4 1'</i>		<i>8 5-4 0-6"</i>		<i>9 5-5 1'</i>		<i>10 5-5 0-6"</i>																									
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Relinquished By: <i>[Signature]</i>		Date: <i>10-7-22</i>		Time: <i>1700</i>		Received By: <i>[Signature]</i>		Date: <i>10-7-22</i>		Time: <i>1700</i>		Sample Condition: <i>Intact</i>		Checked By: <i>[Signature]</i>		REMARKS: <i>Bush!</i>																									
Delivered By: (Circle One)		#13		Sample Condition: <i>Intact</i>		Checked By: <i>[Signature]</i>																																			
Sampler - UPS - Bus - Other: <i>3.2c/2.6c</i>		<i>3.2c/2.6c</i>		<i>Yes</i>		<i>Yes</i>		<i>Yes</i>		<i>Yes</i>																															



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: J G State #5

Project Location:

Sample Name: chel D. Park

FOR LAB USE ONLY

Lab I.D. Sample I.D.

11 5-6 1'
12 5-6 0-2"

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

IL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

MATRIX

PRESERV

SAMPLING

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Sfor

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

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Relinquished By:

Date: 10-7-22

Time: 1700

Date: 1700

Time:

Received By:

Received By: [Signature]

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

3.2c/ale

Sample Condition
Cool Intact
☒ Yes ☐ No

CHECKED BY: (Initials)
90-

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

REMARKS:

Rush!

1 BTEX
1 Chlorides
1 TPH



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

October 26, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: JG STATE #5

Enclosed are the results of analyses for samples received by the laboratory on 10/25/22 13:42.

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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 1 (H225010-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2022	ND	2.19	109	2.00	0.863		
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471		
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739		
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170		
Total BTEX	<0.300	0.300	10/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

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	10/26/2022	ND	416	104	400	7.41	

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	10/25/2022	ND	207	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	216	108	200	0.502	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 2 (H225010-02)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	416	104	400	7.41	

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	10/25/2022	ND	207	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	216	108	200	0.502	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 3 (H225010-03)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	416	104	400	7.41	

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	10/25/2022	ND	207	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	216	108	200	0.502	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 4 (H225010-04)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	7.41		

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	10/25/2022	ND	207	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	216	108	200	0.502	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 5 (H225010-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 69.9-140

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	10/26/2022	ND	416	104	400	7.41	

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	10/25/2022	ND	207	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	216	108	200	0.502	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 6 (H225010-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	416	104	400	7.41	

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	10/25/2022	ND	207	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	216	108	200	0.502	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.0 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 7 (H225010-07)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	7.41		

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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 8 (H225010-08)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 69.9-140

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	10/26/2022	ND	416	104	400	7.41	

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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 9 (H225010-09)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 69.9-140

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	10/26/2022	ND	416	104	400	7.41		

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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 10 (H225010-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	416	104	400	7.41	

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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.9 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 11 (H225010-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	10/26/2022	ND	432	108	400	3.77	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 12 (H225010-12)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 69.9-140

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	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 13 (H225010-13)

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	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 69.9-140

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	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.5 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 14 (H225010-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.19	109	2.00	0.863	
Toluene*	<0.050	0.050	10/26/2022	ND	2.11	106	2.00	0.471	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.05	103	2.00	0.739	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	0.170	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

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	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 15 (H225010-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2022	ND	2.03	102	2.00	8.27		
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62		
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99		
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50		
Total BTEx	<0.300	0.300	10/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 16 (H225010-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 1 (H225010-17)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.5 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 2 (H225010-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 3 (H225010-19)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	494	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW 4 (H225010-20)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTEx	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 1 (H225010-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTEx	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 2 (H225010-22)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTEx	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 3 (H225010-23)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NSW 4 (H225010-24)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 1 (H225010-25)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW 2 (H225010-26)

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	10/26/2022	ND	2.03	102	2.00	8.27		
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62		
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99		
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50		
Total BTEx	<0.300	0.300	10/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/26/2022	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	10/26/2022	ND	202	101	200	15.4	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.3	200	29.8	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 1 (H225010-27)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	10/26/2022	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	10/26/2022	ND	207	103	200	9.75	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	177	88.7	200	17.7	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 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: 10/25/2022
 Reported: 10/26/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW 2 (H225010-28)

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	10/26/2022	ND	2.03	102	2.00	8.27	
Toluene*	<0.050	0.050	10/26/2022	ND	2.15	108	2.00	7.62	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.01	101	2.00	6.99	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.05	101	6.00	7.50	
Total BTX	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	10/26/2022	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	10/26/2022	ND	178	88.9	200	3.58	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	180	89.8	200	4.51	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

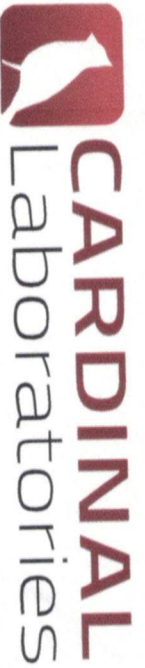
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO										ANALYSIS REQUEST															
Project Manager: Cason Spurlock		Company: Star Energy																											
Address: 5002 Carriage Rd		Attn:																											
City: Hobbs		Address:																											
State: NM zip: 88242		City:																											
Phone #: 575-631-6977		Fax #:																											
Project #:		State:																											
Project Name: 5-L State #5		Zip:																											
Project Location: Edinburg		Phone #:																											
Sample Name: Axel O. Pen		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME	
HB25010		M1		✓				✓																					
3		M2																											
4		M3																											
5		M4																											
6		M5																											
7		M6																											
8		M7																											
9		M8																											
10		M9																											
		M10																											



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: Cason Spurlock Address: 5002 Carriage Rd City: Hobbs State: NM zip: 88242 Phone #: 575-631-6977 Fax #: Project #: Project Owner: Project Name: Project Location: Sampler Name:				P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:					
FOR LAB USE ONLY				BILL TO					
Lab I.D.		Sample I.D.		MATRIX		PRESERV		SAMPLING	
11 12 13 14 15 16 17 18 19 20		S11 S12 S13 S14 S15 S16 S17 S18 S19 S20		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		DATE TIME		BTX TPH Chlorides	
Relinquished By: <i>Michelle Pina</i>		Date: <i>10/25/22</i> Time: <i>1342</i>		Received By: <i>Shodique</i>		Checked By: <i>SK</i>		REMARKS:	
Delivered By: (Circle One) <i>4.41 C.O.V.</i> Sampler - UPS - Bus - Other: <i>3.82 #113</i>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <i>SK</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <i>850-915-1234</i> Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:		SIGNATURE: <i>Michelle Pina</i>	



CARDINAL
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

[illegible]



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

October 28, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: JG STATE #5

Enclosed are the results of analyses for samples received by the laboratory on 10/27/22 16:26.

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: 10/27/2022
 Reported: 10/28/2022
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 10/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S 11 (H225088-01)

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	10/28/2022	ND	432	108	400	0.00	

Sample ID: S SW 4 (H225088-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/28/2022	ND	416	104	400	3.92	

Sample ID: W SW 1 (H225088-03)

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	10/28/2022	ND	416	104	400	3.92	

Sample ID: W SW 2 (H225088-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/28/2022	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

[illegible]



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

November 22, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: JG STATE #5

Enclosed are the results of analyses for samples received by the laboratory on 11/18/22 13:16.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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: 11/18/2022
 Reported: 11/22/2022
 Project Name: JG STATE #5
 Project Number: LEA, NM
 Project Location: SPUR - EDDY CO

Sampling Date: 11/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW - 1 (H225461-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.93	96.6	2.00	7.52	
Toluene*	<0.050	0.050	11/22/2022	ND	2.11	105	2.00	7.62	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.96	97.8	2.00	4.87	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.87	97.8	6.00	5.83	
Total BTEx	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/21/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2022	ND	196	97.9	200	3.95	
DRO >C10-C28*	<10.0	10.0	11/21/2022	ND	185	92.5	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	11/21/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Mike Snyder For 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 "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

January 16, 2023

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: JG STATE #5

Enclosed are the results of analyses for samples received by the laboratory on 01/13/23 9:06.

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

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 17 2' (H230189-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2023	ND	432	108	400	3.77		

Sample ID: S - 18 2' (H230189-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	432	108	400	3.77		

Sample ID: S - 19 2' (H230189-03)

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	01/16/2023	ND	432	108	400	3.77	

Sample ID: S - 20 2' (H230189-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	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
 CASON SPURLOCK
 5002 CARRAIGE RD
 HOBBS NM, 88242
 Fax To:

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 21 2' (H230189-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 22 2' (H230189-06)

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	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 23 2' (H230189-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 24 2' (H230189-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 25 2' (H230189-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/16/2023	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 26 2' (H230189-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 27 (H230189-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 28 (H230189-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 29 (H230189-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 30 (H230189-14)

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	01/16/2023	ND	400	100	400	7.69	

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Analytical Results For:

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

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 31 (H230189-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 32 (H230189-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 33 (H230189-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 34 (H230189-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 35 (H230189-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

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Analytical Results For:

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

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 36 (H230189-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 37 (H230189-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	400	100	400	7.69		

Sample ID: S - 38 (H230189-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 39 (H230189-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

Sample ID: S - 40 (H230189-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	400	100	400	7.69	

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Analytical Results For:

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

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 41 (H230189-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	432	108	400	0.00	

Sample ID: S - 42 (H230189-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	432	108	400	0.00		

Sample ID: S - 43 (H230189-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	432	108	400	0.00		

Sample ID: S - 44 (H230189-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/16/2023	ND	432	108	400	0.00	

Sample ID: S - 45 (H230189-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/13/2023
 Reported: 01/16/2023
 Project Name: JG STATE #5
 Project Number: NONE GIVEN
 Project Location: SPUR - EDDY CO

Sampling Date: 01/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 46 (H230189-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	432	108	400	0.00		

Sample ID: S - 47 (H230189-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2023	ND	432	108	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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO		ANALYSIS REQUEST															
Project Manager: Cason Spurlock		Company: S&W Energy																			
Address: 5002 Carriage Rd		Attn:																			
City: Hobbs		Address:																			
Phone #: 575-631-6977		City:																			
Fax #: 575-631-6977		State:																			
Project #: 1-12		Zip:																			
Project Name: Jct State #5		Phone #:																			
Project Location: Rte 63 & Hwy 1		Fax #:																			
Sampler Name: Hobbs & Telery																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING													
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :										
1	5-17 2'	1																			
2	5-18 2'																				
3	5-14 2'																				
4	5-20 2'																				
5	5-21 2'																				
6	5-22 2'																				
7	5-23 2'																				
8	5-24 2'																				
9	5-25 2'																				
10	5-26 2'																				
PLEASE NOTE: Liability and Damages. Cardinal'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 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: <i>Chad O. Pinc</i>		Date: 1-12-23		Received By: <i>Barbara W. Galt</i>		Date: 1-11-23		TIME		Chloride S									
Relinquished By: <i>Chad O. Pinc</i>		Date: 1-12-23		Received By: <i>Barbara W. Galt</i>		Date: 1-11-23		TIME		Chloride S											
Delivered By: (Circle One)		#13		Sample Condition		Cool		Intact		CHECKED BY: <i>Barbara W. Galt</i>											
Sampler - UPS - Bus - Other:		3.9 e / 3.3 e		Cool		Intact		CHECKED BY: <i>Barbara W. Galt</i>													
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" 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 #:															



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. #:		ANALYSIS REQUEST	
Project Manager: Cason Spurlock		Company: <i>Soil Energy</i>			
Address: 5002 Carriage Rd		Attn:			
City: Hobbs		Address:			
Phone #: 575-631-6977		City:			
Fax #:		State:			
Project #: <i>1-12</i>		Zip:			
Project Name: <i>S-G State #5</i>		Phone #:			
Project Location: <i>Rural Edley</i>		Fax #:			
Sampler Name: <i>Cheryl E. Jeremy</i>					

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					

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	Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
	Date: <i>1-12-08</i>	Date: <i>1-11-08</i>	REMARKS:	
	Time: <i>0900</i>	Time: <i>11:11</i>		
	Date: <i>0900</i>	Date: <i>11:11</i>		
	Time: <i>0900</i>	Time: <i>11:11</i>		
	Date: <i>0900</i>	Date: <i>11:11</i>		
	Time: <i>0900</i>	Time: <i>11:11</i>		
	Date: <i>0900</i>	Date: <i>11:11</i>		
	Time: <i>0900</i>	Time: <i>11:11</i>		

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: <i>3.9c/3.3c</i>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	<i>[Signature]</i>



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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[illegible]



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 State: NM zip: 88242 Phone #: 575-631-6977 Fax #: Project #: 1-12 Project Owner: SKE Energy Project Name: J-4 State #55 Project Location: Borca/Edly Sampler Name: April E Stearns				P.O. #: Company: SKE Energy Attn: Address: City: State: Zip: Phone #: Fax #:							
FOR LAB USE ONLY				LAB I.D.				Sample I.D.			
Date: 1-12-23 Time: 1000 Date: 1-11-23 Time:				Date: 1-12-23 Time: 1000 Date: 1-11-23 Time:				Date: 1-12-23 Time: 1000 Date: 1-11-23 Time:			
Relinquished By: [Signature] Received By: [Signature]				Relinquished By: [Signature] Received By: [Signature]				Relinquished By: [Signature] Received By: [Signature]			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.9c / 3.3c				Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.9c / 3.3c				Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.9c / 3.3c			
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
CHECKED BY: [Signature] (Initials)				CHECKED BY: [Signature] (Initials)				CHECKED BY: [Signature] (Initials)			
REMARKS:				REMARKS:				REMARKS:			

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

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

CONDITIONS

Action 176706

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 176706
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	2/6/2023