

Spur Spill Calculator.xlsx...ised 1.29.2021 copy copy

	A	B	C	D	E	F
1						
2	Spill Volume(Bbls) Calculator					
3	<i>Inputs in blue, Outputs in red</i>					
4	Length(Ft)	Width(Ft)	Depth(In)			
5	102.000	54.000	2.000			
6	Cubic Feet Impacted		918.000			
7	Barrels		163.49			
8	Soil Type		Clay/Sand			
9	Bbls Assuming 100% Saturation		24.52			
10	Saturation	Fluid present when squeezed				
11	Estimated Barrels Released		12.30000			
12						
13	Instructions					
14	1. Input spill measurements below. Length and width need to be input in feet and depth in inches.					
15	2. Select a soil type from the drop down menu.					
16	3. Select a saturation level from the drop down menu.					
17	(For data gathering instructions see appendix tab)					
18						
19	Measurements					
20						
21	Length (ft)	102				
22	Width (ft)	54				
23	Depth (in)	2				
24						
25						
26						
27						
28						
29						
30						
31						

fx

2



Calculator

Appendix





June 4, 2024

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, and Closure Request
HT 18 Federal #4
API No. 30-025-40252
GPS: Latitude 32.83410 Longitude -103.81340
UL "L", Sec. 18, T17S, R32E
Lea County, NM
NMOCD Ref. No. nAPP2333949663

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and conduct remediation activities for the release site known as the HT 18 Fed #4 (HT). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water & Crude Oil	Volume of Release:	12 bbls
		Volume Recovered:	11 bbls
Source of Release:	Gasket Failure	Date of Release:	12/02/23
Was Immediate Notice Given?	No	If, Yes, to Whom?	N/A
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	Federal
Manway gasket failed causing an oil and PW mix to spill onto the location pad.			

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

REGULATORY FRAMEWORK & SITE CHARACTERIZATION

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

- Depth to Groundwater in the affected area 100-500'
- Method to determine DTW NM OSE
- Did the release impact groundwater or surface water No

Depth to groundwater information is provided in Appendix A.

What are the minimum distances between the closest lateral extents of the release and the following surface areas:

- A Continuously flowing watercourse or any other significant watercourse- > 5 Mile
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- 1-5 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes- 1-5 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal fresh water well field- 1-5 mi
- A wetland- 1-5 mi
- A subsurface mine- >5 mi
- An (non-karst) unstable area- >5 mi
- Categorize the risk of this well/site being in a karst area geology- Low
- A 100-year floodplain- 1/2-1 mi
- Did the release impact areas not on an exploration, development, production, or storage site- No

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the 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 both Kermit-Palomas Fine Sands, with 0 to 12 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are excessively drained.

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

INITIAL SITE ASSESSMENT

On December 21, 2023, Paragon conducted an initial site assessment. During the initial site assessment, it was determined to gather samples in the area that resulted from the gasket failure and flowed onto the location pad. Six (6) soil samples were collected in this area in an effort to determine the vertical extent of soil impact. An additional Six (6) horizontal samples were taken to determine the horizontal extent of this spill. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A table summarizing laboratory analytical results from soil samples collected during the above-stated activities is provided below:

12-21-23 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50')								
Sample Date 12/21/23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BG5)	BTEX	Benzene	GRO	DRQ	MRQ	Total TPH	CHLORIDES
S-1	0-6"	0.53	ND	ND	1320	241	1561	2880
	2'	ND	ND	ND	110	15.7	125.7	224
S-2	0-6"	30.2	ND	435	2700	460	3595	5040
	2'	ND	ND	ND	ND	ND	0	96
S-3	0-6"	37.2	ND	1160	10800	1800	13760	48
S-4	0-6"	ND	ND	ND	ND	ND	ND	12800
	3'	ND	ND	ND	ND	ND	ND	176
S-5	0-6"	123	3.93	2090	4110	665	6865	416
S-6	0-6"	ND	ND	ND	ND	ND	ND	112
HZ-1	SURFACE	ND	ND	ND	ND	ND	ND	48
HZ-2	SURFACE	ND	ND	ND	ND	ND	ND	16
HZ-3	SURFACE	ND	ND	ND	ND	ND	ND	32
HZ-4	SURFACE	ND	ND	ND	ND	ND	ND	32
HZ-5	SURFACE	ND	ND	ND	ND	ND	ND	32
HZ-6	SURFACE	ND	ND	ND	ND	ND	ND	16

(ND) Analyte Not Detected

Laboratory data is attached in Appendix D

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

On April 14, 2024, 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.

- In the areas of S-2, S-3, and S-5, we excavated to a depth of 2 feet BGS. This area covered approximately 1845 S/F. We removed app. 136 C/Y.
- In the areas of S-1 and S-4, we excavated to a depth of 3 feet BGS. These two areas covered app. 800 S/F. We removed app. 90 C/Y of material here.

An email notification was sent to the NMOCD prior to obtaining confirmation samples. The bottom samples were representative of no more than 200 sq/ft, and the sidewall samples were obtained every 50 feet. The results of this sampling event are in the following data table.

4-24-24 Confirmation Laboratory Results

NMOC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 4/24/24		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	DRD	MRO	Total TPH	CHLORIDES
S-1	3'	ND	ND	ND	ND	ND	ND	3600
S-2	3'	ND	ND	ND	ND	ND	ND	2840
S-3	3'	ND	ND	ND	ND	ND	ND	2400
S-4	3'	ND	ND	ND	ND	ND	ND	3440
S-5	2'	ND	ND	ND	ND	ND	ND	112
S-6	2'	ND	ND	ND	ND	ND	ND	320
S-7	2'	ND	ND	ND	ND	ND	ND	352
S-8	2'	ND	ND	ND	ND	ND	ND	1120
S-9	2'	ND	ND	ND	ND	ND	ND	112
S-10	2'	ND	ND	ND	ND	ND	ND	192
S-11	2'	ND	ND	ND	ND	ND	ND	160
S-12	2'	ND	ND	ND	ND	ND	ND	320
S-13	2'	ND	ND	ND	ND	ND	ND	144
S-14	2'	ND	ND	ND	ND	ND	ND	96
SSW-1	3'	ND	ND	ND	19.4	ND	19.4	80
SSW-2	3'	ND	ND	ND	ND	ND	ND	336
ESW-1	3'	ND	ND	ND	ND	ND	ND	992
ESW-2	3'	ND	ND	ND	ND	ND	ND	1040
NSW-1	3'	ND	ND	ND	ND	ND	ND	160
NSW-2	3'	ND	ND	ND	ND	ND	ND	272
WSW-1	3'	ND	ND	ND	ND	ND	ND	464
WSW-2	3'	ND	ND	ND	ND	ND	ND	144
WSW-1	2'	ND	ND	ND	ND	ND	ND	96
WSW-2	2'	ND	ND	ND	ND	ND	ND	64
NSW-1	2'	ND	ND	ND	ND	ND	ND	144
NSW-2	2'	ND	ND	ND	ND	ND	ND	80
SSW-1	2'	ND	ND	ND	ND	ND	ND	112
SSW-2	2'	ND	ND	ND	ND	ND	ND	48
ESW-1	2'	ND	ND	ND	ND	ND	ND	192
ESW-2	2'	ND	ND	ND	22.4	ND	22.4	64
ESW-3	2'	ND	ND	ND	ND	ND	ND	80
ESW-4	2'	ND	ND	ND	ND	ND	ND	128

(ND) Analyte Not Detected

The results showed that samples S-1, S-2, S-3, S-4, S-8, ESW-1 3', and ESW-2 3' were above closure criteria.

We continued our excavation efforts in these areas. We extended our excavation depths by 6 inches for the bottoms and horizontally by 6 inches for the sidewall areas. We resampled these areas after this was completed. The results of these samples are in the following data table.

5-2-24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 5/2/24		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	3.5'	ND	ND	ND	ND	ND	ND	16
S-2	3.5'	ND	ND	ND	ND	ND	ND	16
S-3	3.5'	ND	ND	ND	ND	ND	ND	ND
S-4	3.5'	ND	ND	ND	ND	ND	ND	ND
S-8	2.5'	ND	ND	ND	ND	ND	ND	128
ESW-1	3.5'	ND	ND	ND	ND	ND	ND	16
ESW-2	3.5'	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

These laboratory analytical results showed that the confirmation soil samples were below NMOCD Closure Criteria. The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. After receiving laboratory analytical results below the closure criteria, the excavated areas were backfilled with “like” material obtained from a localized sand pit. The affected area was then contoured and machine-compacted to match the surrounding grade.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2333949663, 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)318-6841 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 Maps

Appendices:

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



Figures:

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

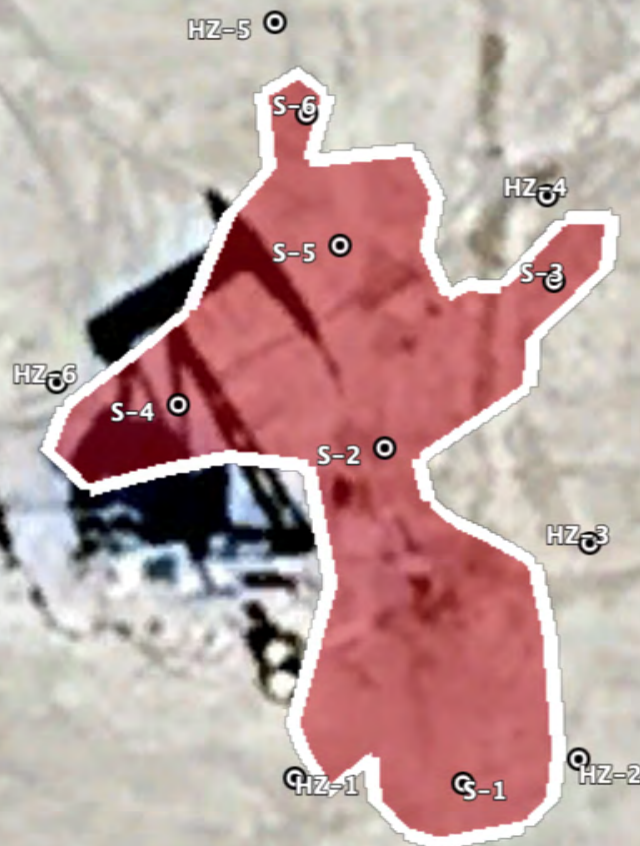
Spur Energy Partners

HT 18 Federal #4
API# 30-025-40252
Lea County, NM
Site Map

Legend

- Sample
- Spill Area

HT 18 Fed #4 32.8341,-103.8134

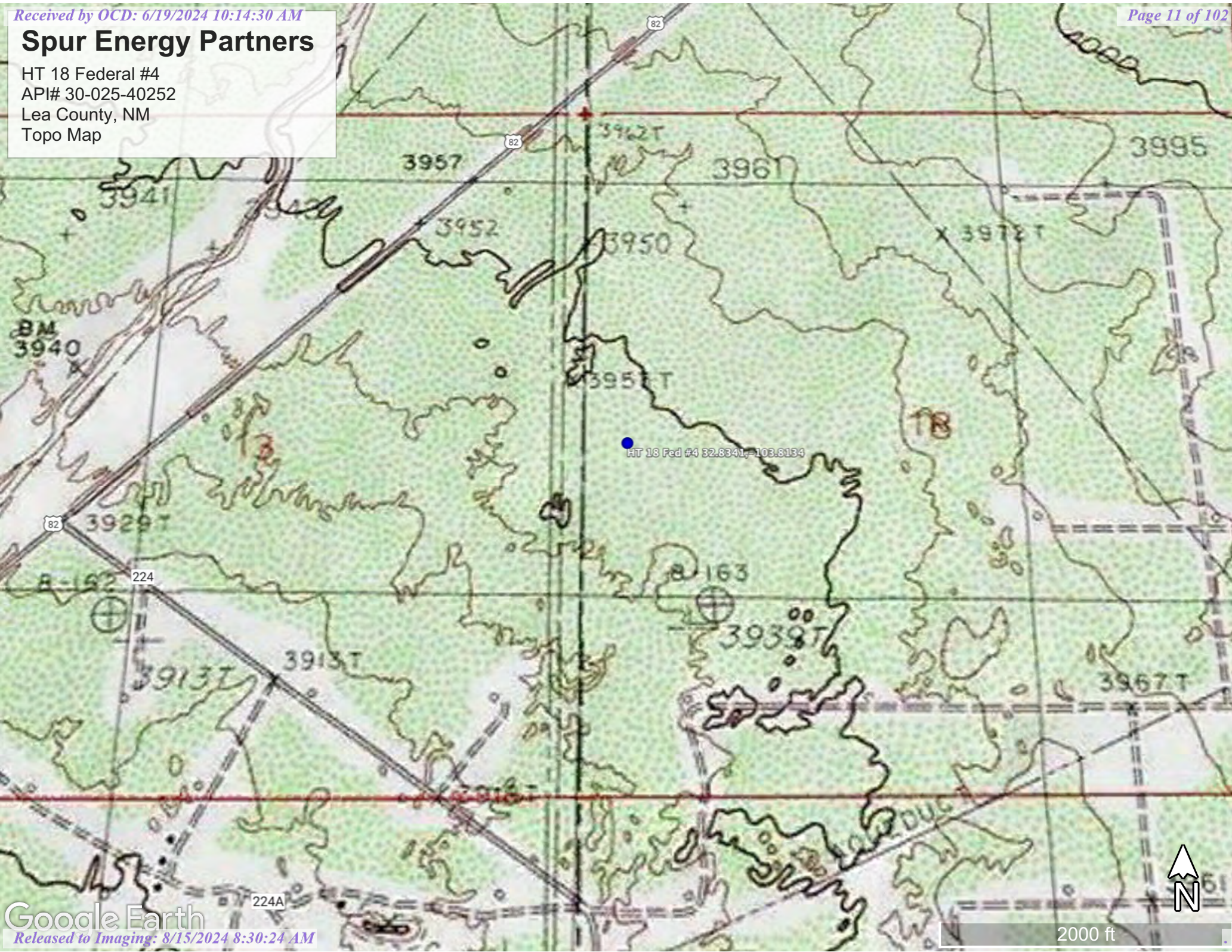


Google Earth



Spur Energy Partners

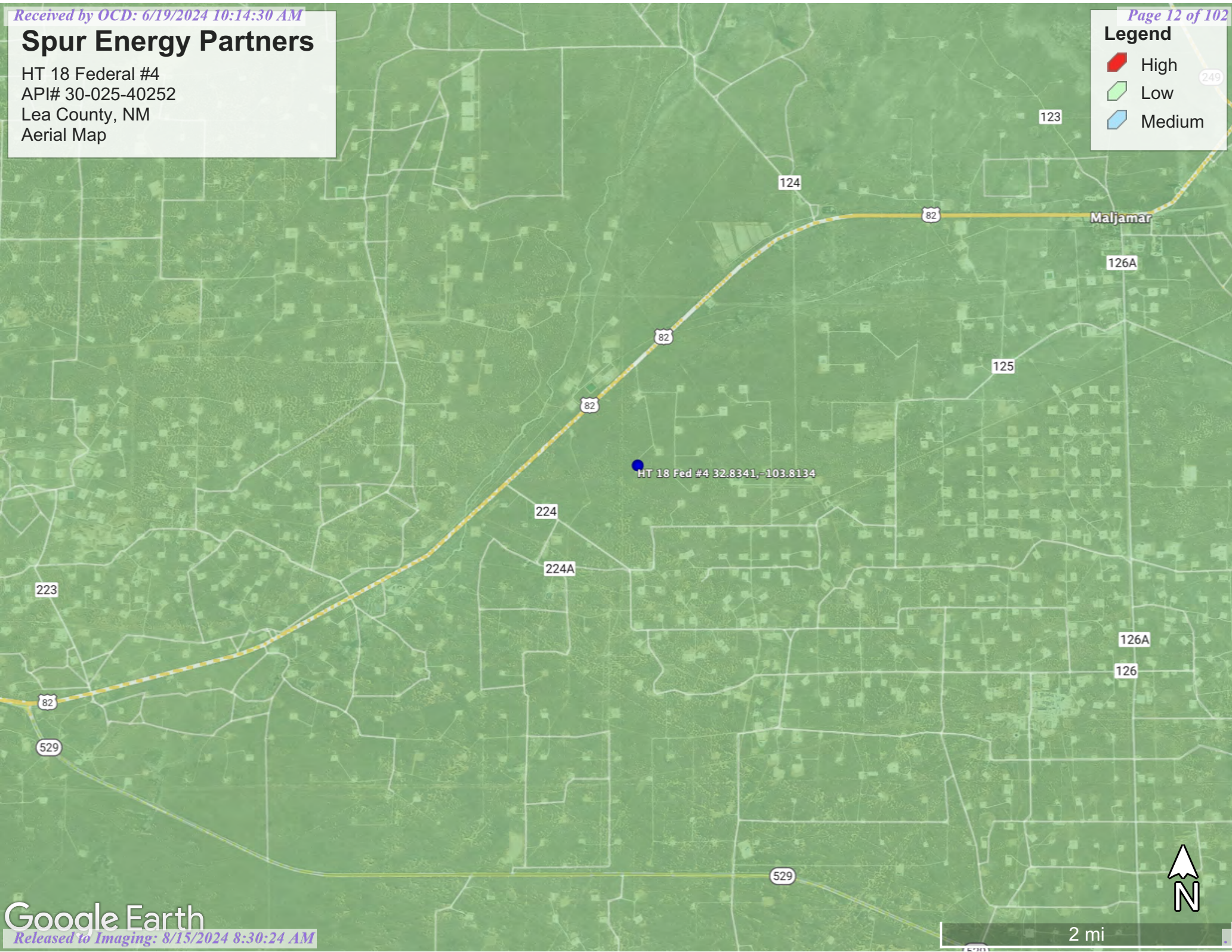
HT 18 Federal #4
API# 30-025-40252
Lea County, NM
Topo Map



Spur Energy Partners

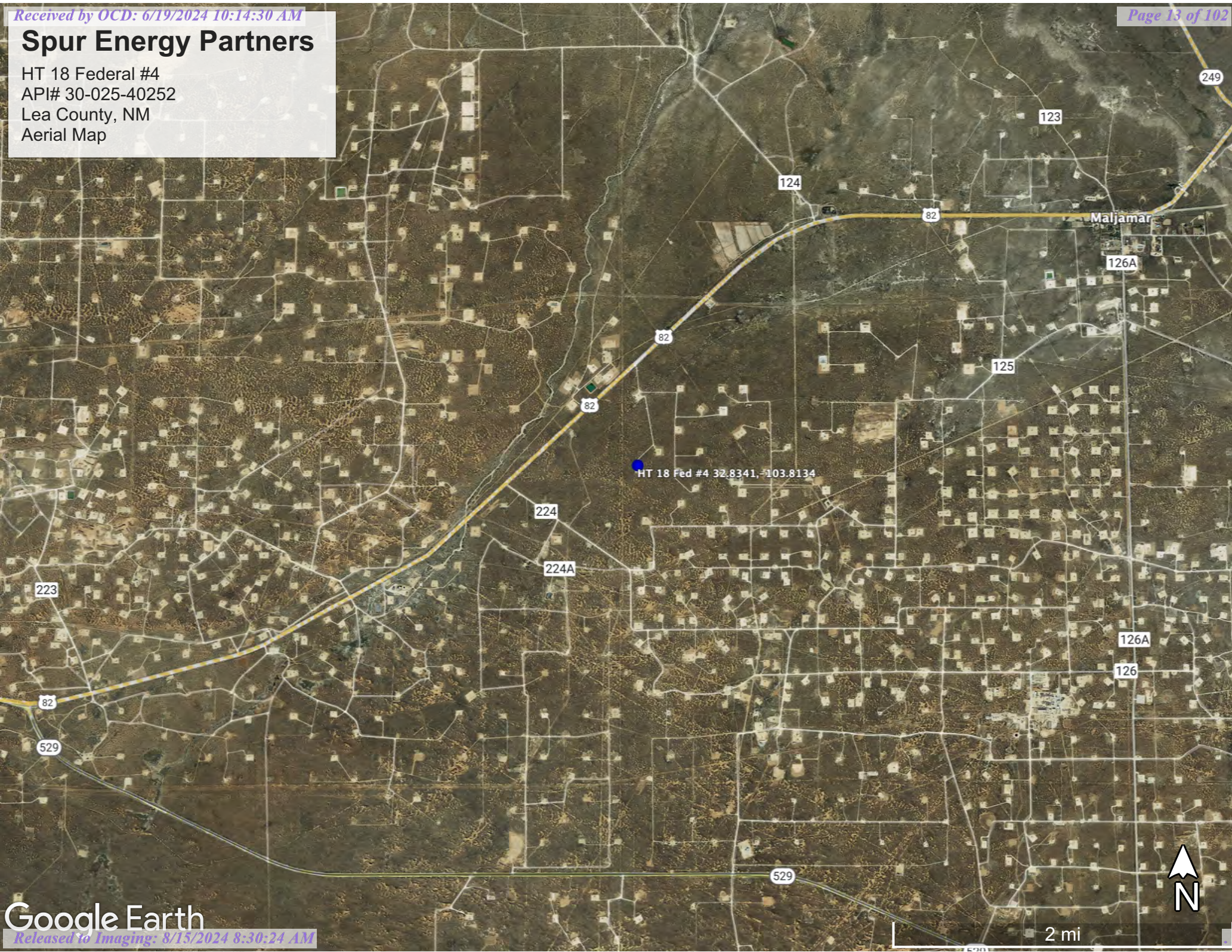
HT 18 Federal #4
API# 30-025-40252
Lea County, NM
Aerial Map

- Legend**
- High
 - Low
 - Medium



Spur Energy Partners

HT 18 Federal #4
API# 30-025-40252
Lea County, NM
Aerial Map



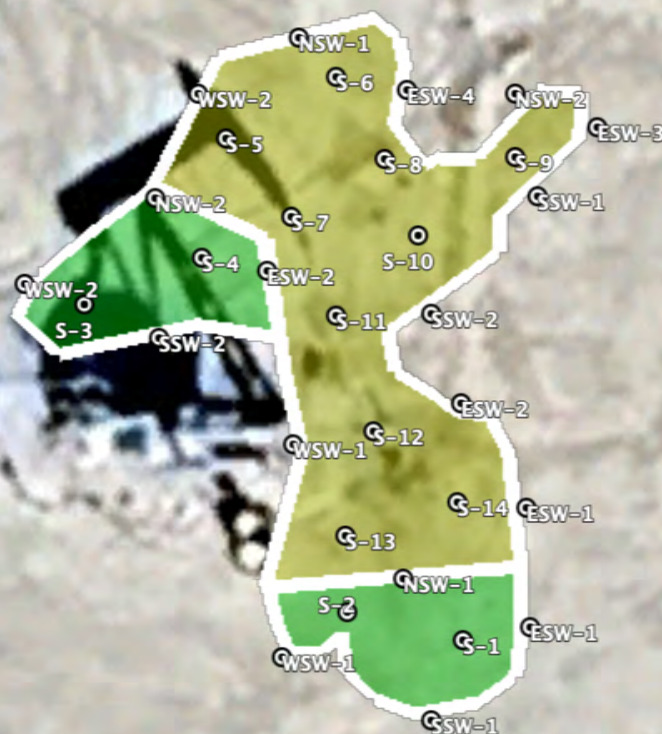
Spur Energy Partners

HT 18 Federal #4
API# 30-025-40252
Lea County, NM
Confirmation Map

Legend

- 2' Excavation 1845 S/F
- 3' Excavations Total 800 S/F
- Samples

HT 18 Fed #4 32.8341,-103.8134



Google Earth





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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 13286 POD1		RA	ED	2	4	4	12	17S	31E	610742	3634697		1221	101	
RA 13234 POD1		RA	LE	1	4	1	19	17S	32E	611435	3632294		1280	104	
Average Depth to Water:														--	
Minimum Depth:														--	
Maximum Depth:														--	

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 611058.379

Northing (Y): 3633518.503

Radius: 3000

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.



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpv

Elevation: 3,000 to 4,400 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

Kermit and similar soils: 70 percent

Palomas and similar soils: 20 percent

Minor components: 10 percent

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

Description of Kermit

Setting

Landform: Dunes

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

Landform position (three-dimensional): Side slope

Down-slope shape: Concave, convex, linear

Across-slope shape: Convex

Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand

C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Very low

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

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

Sodium adsorption ratio, maximum: 2.0

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

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 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: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pyote

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 4 percent

Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas

Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

National Flood Hazard Layer FIRMMette



103°49'7"W 32°50'18"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
MAP PANELS		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 6/4/2024 at 2:23 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C:

OCD Notification

Photographic Documentation



Angel Pena <angel@paragonenvironmental.net>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 336126

<OCDOnline@state.nm.us>

Mon, Apr 22 at 2:10 PM

To: <angel@paragonenvironmental.net>

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2333949663.

The sampling event is expected to take place:

When: 04/24/2024 @ 15:00

Where: L-18-17S-32E 0 FNL 0 FEL (32.83411,-103.81341)

Additional Information: Jeremy Maner
575-602-4231

Additional Instructions: 32.83410,-103.81340

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

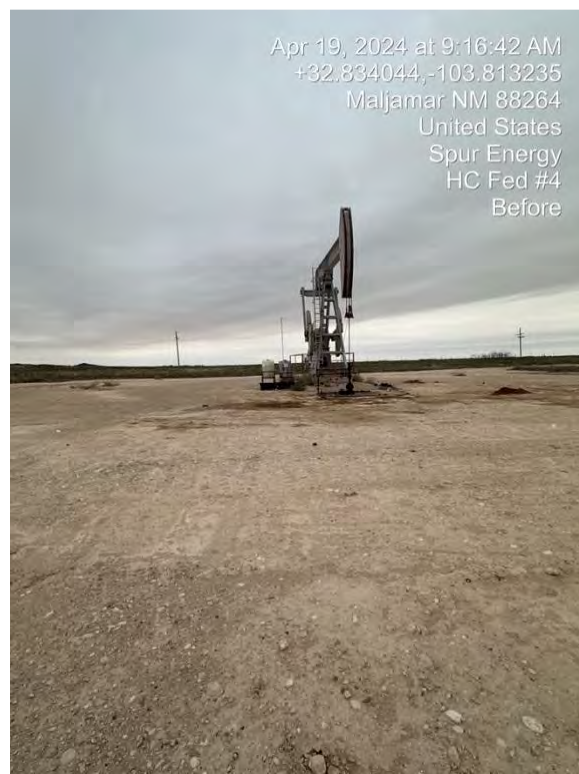
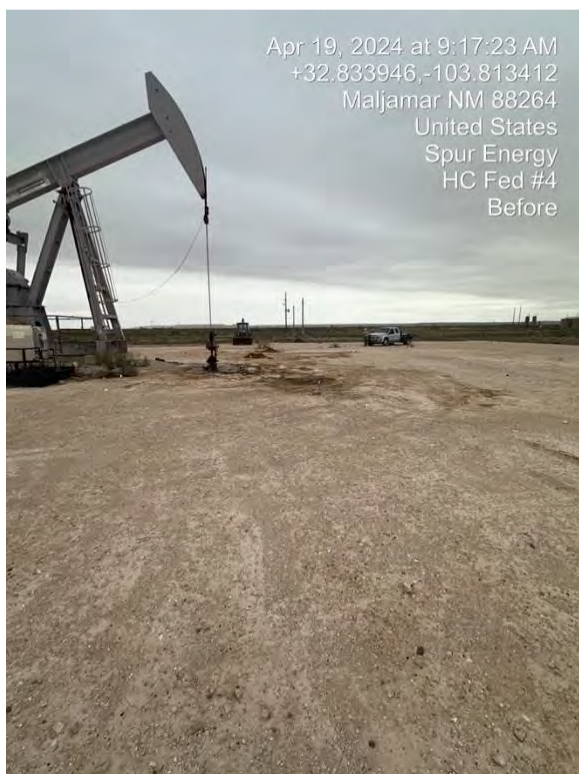
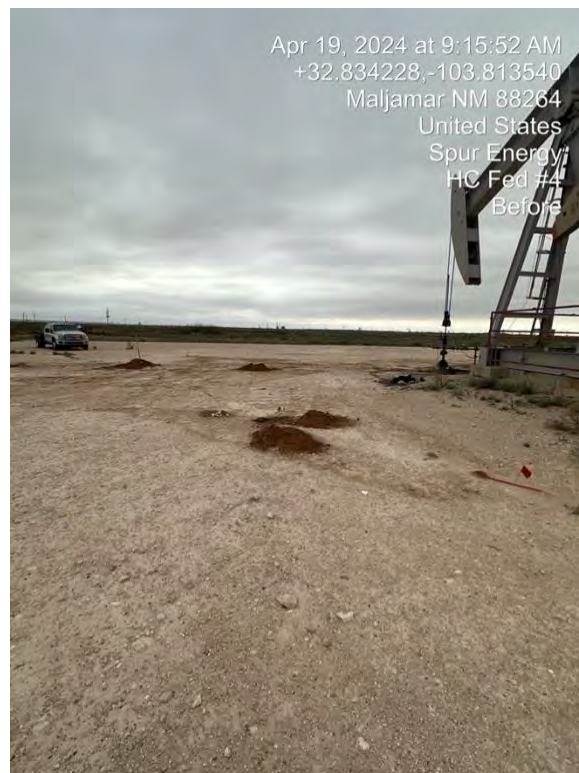
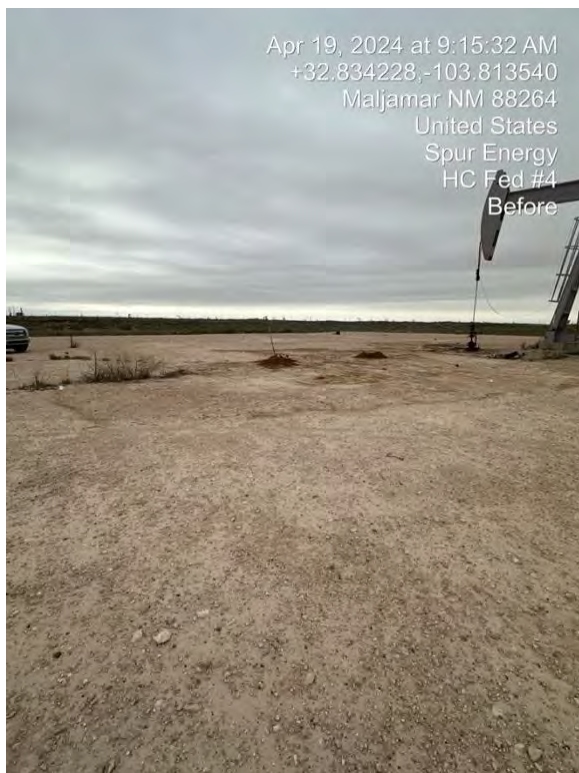
- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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



**Photographic Documentation
Before**



During



Completed





Appendix D:
Laboratory Results



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

December 29, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: HT FED. 18 #4

Enclosed are the results of analyses for samples received by the laboratory on 12/21/23 15:56.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 0-6" (H236811-01)

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	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	0.146	0.050	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	0.384	0.150	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTX	0.530	0.300	12/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	12/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	1320	50.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	241	50.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 2' (H236811-02)

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	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTEX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	110	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	15.7	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 0-6" (H236811-03)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	12/28/2023	ND	2.17	109	2.00	1.88	
Toluene*	5.39	0.100	12/28/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	10.2	0.100	12/28/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	14.7	0.300	12/28/2023	ND	6.20	103	6.00	1.05	
Total BTEX	30.2	0.600	12/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	12/28/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	435	50.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	2700	50.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	460	50.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 2' (H236811-04)

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	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 0-6" (H236811-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	1.20	0.500	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	11.6	0.500	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	24.4	1.50	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTEX	37.2	3.00	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1160	50.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	10800	50.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	1800	50.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 339 % 48.2-134

Surrogate: 1-Chlorooctadecane 246 % 49.1-148

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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 0-6" (H236811-06)

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	12/27/2023	ND	2.17	109	2.00	1.88		
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05		
Total BTX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 3' (H236811-07)

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	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	0.205	0.050	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	0.083	0.050	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTEx	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 0-6" (H236811-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.93	1.00	12/28/2023	ND	2.17	109	2.00	1.88	
Toluene*	40.2	1.00	12/28/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	35.5	1.00	12/28/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	43.6	3.00	12/28/2023	ND	6.20	103	6.00	1.05	
Total BTEX	123	6.00	12/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2090	50.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	4110	50.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	665	50.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 185 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 6 0-6" (H236811-09)

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	12/28/2023	ND	2.17	109	2.00	1.88		
Toluene*	<0.050	0.050	12/28/2023	ND	2.12	106	2.00	1.71		
Ethylbenzene*	<0.050	0.050	12/28/2023	ND	2.12	106	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/28/2023	ND	6.20	103	6.00	1.05		
Total BTEx	<0.300	0.300	12/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/28/2023	ND	432	108	400	0.00	QR-03
TPH 8015M		mg/kg		Analyzed By: MS					

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	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HZ - 1 SURFACE (H236811-10)

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	12/28/2023	ND	2.17	109	2.00	1.88		
Toluene*	<0.050	0.050	12/28/2023	ND	2.12	106	2.00	1.71		
Ethylbenzene*	<0.050	0.050	12/28/2023	ND	2.12	106	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/28/2023	ND	6.20	103	6.00	1.05		
Total BTX	<0.300	0.300	12/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HZ - 2 SURFACE (H236811-11)

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	12/27/2023	ND	2.17	109	2.00	1.88		
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05		
Total BTEx	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HZ - 3 SURFACE (H236811-12)

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	12/27/2023	ND	2.17	109	2.00	1.88		
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05		
Total BTEX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/28/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HZ - 4 SURFACE (H236811-13)

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	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/29/2023	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HZ - 5 SURFACE (H236811-14)

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	12/27/2023	ND	2.17	109	2.00	1.88		
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05		
Total BTEx	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/29/2023	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/21/2023
Reported: 12/29/2023
Project Name: HT FED. 18 #4
Project Number: NOT GIVEN
Project Location: SPUR - LEA

Sampling Date: 12/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HZ - 6 SURFACE (H236811-15)

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	12/27/2023	ND	2.17	109	2.00	1.88	
Toluene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.71	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.12	106	2.00	1.11	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.20	103	6.00	1.05	
Total BTEX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/29/2023	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	233	116	200	3.10	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	211	106	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental
Project Manager: Chris Jones
Address: 1601 N. Turner St., Ste 500
City: Hobbs
State: NM **Zip:** 88240
Phone #: 575-964-7814
Fax #:

P.O. #:
Company: Spix
Attn: Bradley Wolder
Address:
City:
State:
Zip:
Phone #:
Fax #:

Project Name: HT Fed. 18 #4
Project Location: Lea
Project #:
Project Owner: Spix

Sample Name: Hwy 18 Wender
FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH EX	BTX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H2310811	H2.2 Surface	G	1							12/21				
12	H2.3 Surface													
13	H2.4 Surface													
14	H2.5 Surface													
15	H2.6 Surface													

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Relinquished By: R.W.L.
Relinquished By:
Date: 2/14
Time: 1:55 PM
Date: 1/5/56
Time:
Received By:
Received By:

Sample Condition:
Cool ☒ Intact ☒
Yes ☒ No ☐
CHECKED BY: (Initials)
REMARKS:
Email results to Chris Jones



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

May 01, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: HT 18 FED. #4

Enclosed are the results of analyses for samples received by the laboratory on 04/25/24 14:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 3' (H242225-01)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 3' (H242225-02)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 3' (H242225-03)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 3' (H242225-04)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 2' (H242225-05)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 6 2' (H242225-06)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 7 2' (H242225-07)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 8 2' (H242225-08)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEx	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 9 2' (H242225-09)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 10 2' (H242225-10)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 11 2' (H242225-11)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 12 2' (H242225-12)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 13 2' (H242225-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 14 2' (H242225-14)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 3' (H242225-15)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	19.4	10.0	04/26/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 2 3' (H242225-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	05/01/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	05/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/27/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 3' (H242225-17)

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	04/26/2024	ND	1.79	89.3	2.00	7.30		
Toluene*	<0.050	0.050	04/26/2024	ND	1.73	86.6	2.00	7.64		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.70	85.1	2.00	7.96		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	4.95	82.4	6.00	8.11		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2024	ND	198	98.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	04/27/2024	ND	179	89.3	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 2 3' (H242225-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 3' (H242225-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 2 3' (H242225-20)

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	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 3' (H242225-21)

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	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 2 3' (H242225-22)

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	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 1 2' (H242225-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	35.6	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WSW - 2 2' (H242225-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222	
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139	
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827	
Total BTEX	<0.300	0.300	04/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 2' (H242225-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NSW - 2 2' (H242225-26)

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	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEx	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 1 2' (H242225-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 2 2' (H242225-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/26/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/26/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/26/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/29/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 2' (H242225-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/27/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/27/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/27/2024	ND	5.14	85.6	6.00	0.827		
Total BTEx	<0.300	0.300	04/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/24/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 2 2' (H242225-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/27/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/27/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/27/2024	ND	5.14	85.6	6.00	0.827		
Total BTEX	<0.300	0.300	04/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/29/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	22.4	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/25/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 3 2' (H242225-31)

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	04/27/2024	ND	1.69	84.7	2.00	0.222		
Toluene*	<0.050	0.050	04/27/2024	ND	1.71	85.6	2.00	0.859		
Ethylbenzene*	<0.050	0.050	04/27/2024	ND	1.73	86.5	2.00	0.139		
Total Xylenes*	<0.150	0.150	04/27/2024	ND	5.14	85.6	6.00	0.827		
Total BTX	<0.300	0.300	04/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/29/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2024
Reported: 05/01/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/25/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 4 2' (H242225-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/27/2024	ND	1.69	84.7	2.00	0.222	
Toluene*	<0.050	0.050	04/27/2024	ND	1.71	85.6	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/27/2024	ND	1.73	86.5	2.00	0.139	
Total Xylenes*	<0.150	0.150	04/27/2024	ND	5.14	85.6	6.00	0.827	
Total BTEX	<0.300	0.300	04/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2024	ND	205	102	200	0.999	
DRO >C10-C28*	<10.0	10.0	04/26/2024	ND	212	106	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	04/26/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Fairfax Environmental Project Manager: Chris Jones Address: 1601 N. Turner City: Hobbs State: NM Zip: 88240 Phone #: 575-631-6932 Fax #: Project #: Project Name: HTRed #4 Project Location: Rual Eddy Sampler Name: Jeremy Hane				BILL TO P.O. #: Company: SPUR Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST			
FOR LAB USE ONLY				LAB I.D.				SAMPLE I.D.			
PLEASE NOTE: Labeling and drawings. Containers, bottles and client's enclosure remain for any other testing whether based in contract or not. Labels be attached to the amount paid by the client for the service. 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 on any of the above stated reasons or otherwise.				(G)RAB OR (C)OMP.				# CONTAINERS			
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:			
Date: 4/15 Time: 1455 Date: 4/15 Time: 1455				Received By: [Signature] Received By: [Signature]				DATE TIME 4/12/24			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C: 24.2 Corrected Temp. °C:				Sample Condition Cool Intact: Yes [X] No [] Checked By: [Signature]			
Turnaround Time:				Standard [X] Rush []				Bacteria (only) Sample Condition Cool Intact: Yes [X] No [] Observed Temp. °C:			
REMARKS:				Verbal Result: Yes [] No [X] Add'l Phone #:				All Results are emailed. Please provide Email address:			



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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

11284

Company Name:		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager:		Company:					
Address:		Attn:					
City:		State:		Zip:			
Phone #:		Fax #:		Address:			
Project #:		Project Owner:		City:			
Project Name:		State:		Zip:			
Project Location:		Phone #:					
Sample Name:		Fax #:					
FOR LAB USE ONLY		PRESERV.		SAMPLING			
Lab I.D.		(G)RAB OR (C)OMP.		DATE		TIME	
Sample I.D.		# CONTAINERS					
		GROUNDWATER					
		WASTEWATER					
		SOIL					
		OIL					
		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					

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Relinquished By: *[Signature]* Date: 7/12/25 Received By: *[Signature]* Date: 7/12/25

Requisitioned By: *[Signature]* Date: 7/12/25 Received By: *[Signature]* Date: 7/12/25

Delivered By: (Circle One) Observed Temp. °C: 24.2 Corrected Temp. °C: Sample Condition: Cool Intact ☒ Yes ☐ No Checked BY: (Initials) *[Signature]* Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) Sample Condition: Cool Intact ☒ Yes ☐ No Corrected Temp. °C: Thermometer ID #140 Correction Factor 0°C: ☐ Yes ☒ No

REMARKS:

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

404

[illegible]



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

May 08, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: HT 18 FED. #4

Enclosed are the results of analyses for samples received by the laboratory on 05/02/24 8:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 3 1/2 (H242356-01)

BTEx 8021B		mg / kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTEx	<0.300	0.300	05/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 3 1/2 (H242356-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTEX	<0.300	0.300	05/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 3 1/2 (H242356-03)

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	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTEx	<0.300	0.300	05/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 3 1/2 (H242356-04)

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	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTX	<0.300	0.300	05/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S - 8 2 1/2 (H242356-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTEx	<0.300	0.300	05/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/07/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: ESW - 1 3 1/2 (H242356-06)

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	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTEX	<0.300	0.300	05/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/02/2024
Reported: 05/08/2024
Project Name: HT 18 FED. #4
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 05/02/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: ESW - 2 3 1/2 (H242356-07)

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	05/04/2024	ND	1.91	95.5	2.00	3.83		
Toluene*	<0.050	0.050	05/04/2024	ND	1.97	98.7	2.00	4.92		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.16	108	2.00	4.63		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.62	110	6.00	3.29		
Total BTEx	<0.300	0.300	05/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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



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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental				BILL TO				ANALYSIS REQUEST			
Project Manager: Chris Jones				P.O. #:							
Address: 1601 N. Turner St., Ste 500				Company:							
City: Hobbs				Attn:							
State: NM Zip: 88240				Address:							
Phone #: 575-964-7814 Fax #:				City:							
Project #:				State:							
Project Name: HT18 Federal #4				Zip:							
Project Location: Rural Eddy				Phone #:							
Sampler Name: Angel A. Pena				Fax #:							

FOR LAB USE ONLY		MATRIX		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:	Date:	Received By:	Date:
	5-2-04	Stockingmeyer	0803
Relinquished By:	Date:	Received By:	Date:

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

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

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

QUESTIONS

Action 355841

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	355841
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333949663
Incident Name	NAPP2333949663 HT 18 FEDERAL #004 @ 30-025-40252
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-40252] HT 18 FEDERAL #004

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HT 18 FEDERAL #004
Date Release Discovered	12/02/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Gasket Crude Oil Released: 6 BBL Recovered: 6 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Gasket Produced Water Released: 6 BBL Recovered: 5 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	MANWAY GASKET FAILED RESULTING IN OIL AND PRODUCED WATER MIX TO SPILL ONTO THE PAD

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QUESTIONS, Page 2

Action 355841

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	355841
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/19/2024
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QUESTIONS, Page 3

Action 355841

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	355841
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	12800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	13760
GRO+DRO	(EPA SW-846 Method 8015M)	11960
BTEX	(EPA SW-846 Method 8021B or 8260B)	123
Benzene	(EPA SW-846 Method 8021B or 8260B)	3.9

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

On what estimated date will the remediation commence	04/14/2024
On what date will (or did) the final sampling or liner inspection occur	04/24/2024
On what date will (or was) the remediation complete(d)	05/02/2024
What is the estimated surface area (in square feet) that will be reclaimed	2645
What is the estimated volume (in cubic yards) that will be reclaimed	226
What is the estimated surface area (in square feet) that will be remediated	2645
What is the estimated volume (in cubic yards) that will be remediated	226

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 355841

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	355841
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/19/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 355841

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355841
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 355841

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	355841
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	336126
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/24/2024
What was the (estimated) number of samples that were to be gathered	34
What was the sampling surface area in square feet	3100

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2645
What was the total volume (cubic yards) remediated	226
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2645
What was the total volume (in cubic yards) reclaimed	226
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/19/2024
--	--

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QUESTIONS, Page 7

Action 355841

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355841
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 355841

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 355841
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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/15/2024