

Incident ID	NRH2003443103
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 11/15/2022

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 11/15/2022

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

Closure Approved by: Robert Hamlet Date: 2/10/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



October 13, 2022

NMOCD District 2
Mr. Mike Bratcher
Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Report
Huber Federal #11H
API No. 30-015-44709
GPS: Latitude 32.611063 Longitude -104.471129
UL "O", Sec. 34, T19S, R25E
Eddy County, NM
NMOCD Ref. No. NRH2003443103

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and remediation activities for the Release Site known as the Huber Federal #11H (Huber). Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil	Volume of Release:	5 bbls
		Volume Recovered:	3 bbls
Source of Release:	Well Head	Date of Release:	12/14/19
Was Immediate Notice Given?	N/A	If, Yes, to Whom?	N/A
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	Federal
Wellhead piping before the BPV (Back Pressure Valve) caused approximately 5 barrels of oil to be released onto the pad. A vacuum truck was dispatched and was able to recover approximately 3 barrels of fluid and hauled it to disposal.			

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

REGULATORY FRAMEWORK

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

Site Characteristics	
Approximate Depth to Groundwater	<50'
Within 330 ft. of any continuously flowing or significant watercourse?	NO
Within 200 ft. of any lakebed, sinkhole, or playa lake?	NO
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	NO
Within 500 ft. of a spring, or private, domestic fresh water well?	NO
Within 1000 ft. of any fresh water well?	NO
Within the incorporated municipal boundaries or within a municipal well field?	NO
Within 300 ft. of a wetland?	NO
Within the area overlying a subsurface mine?	NO
Within an unstable area such as Karst?	YES
Within a 100-year floodplain?	NO

A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average groundwater depth within and identify any registered water wells within ½ Mile of the Release Site. The data initially found on the State Engineers website could not locate any water data within the ½ mile radius, so we treated this site as if it had groundwater at <50'.

Depth to groundwater information is provided in Appendix A.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Piedmont alluvial deposits (Holocene to lower Pleistocene)—Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Reagan Upton association, with 0 to 9 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained. There IS a high potential for karst geology to be present around the Huber (Figure #3).

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

TABLE I CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE			
	Constituent	Method	Limit
<50 Feet	Chloride	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

INITIAL SITE ASSESSMENT & SOIL SAMPLING EVENT

This incident was originally cleaned by another company, and the person that conducted the remediation had left the company. Ms. Eads had questions and concerns during her review of the closure report that couldn't be answered. Spur then hired Paragon to conduct an additional assessment to get closure on this incident.

On July 20, 2022, Paragon went to the site and conducted an assessment, and obtained random soil samples in the previous spill area to determine if any further remediation was needed. Based on the sample results, we moved to remediate the areas still above the closure criteria.

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:

7-20-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 7-20-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	Surface	ND	ND	ND	ND	ND	ND	9800
	1'	ND	ND	ND	ND	ND	ND	2640
	2'	ND	ND	ND	ND	ND	ND	304
	3'	ND	ND	ND	ND	ND	ND	560
S-2	Surface	ND	ND	ND	ND	ND	ND	26400
	1'	ND	ND	ND	ND	ND	ND	3440
	2'	ND	ND	ND	ND	ND	ND	256
	3'	ND	ND	ND	ND	ND	ND	176
S-3	Surface	ND	ND	ND	ND	ND	ND	112
	1'	ND	ND	ND	ND	ND	ND	144
	2'	ND	ND	ND	ND	ND	ND	96
	3'	ND	ND	ND	ND	ND	ND	16
S-4	Surface	ND	ND	ND	ND	ND	ND	32
	1'	ND	ND	ND	ND	ND	ND	16
S-5	Surface	ND	ND	ND	ND	ND	ND	ND
	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND

ND-Analyte Not Detected

All Laboratory analytical reports are provided in Appendix E. A Site Map & Sample Maps are provided in Figures #1, #5, and #6.

REMEDIATION ACTIVITIES

On September 19, 2022, Paragon mobilized personnel and heavy equipment to conduct remedial activities. Based on the analytical results, site characteristics, and field observations made during the site assessment, the following remedial activities were undertaken to advance toward an approved closure:

- Utilizing mechanical and hand equipment, we excavated the impacted soil of S-1 and S-2 to a depth of 2 feet BGS.
- Once the area was excavated to the specific depth, we emailed the NMOCD and obtained confirmation samples. We utilized 5-point composite sampling, where each sample was representative of no more than 200 sq/ft.
- A copy of the email notification for confirmation samples can be found in Appendix D
- Within the excavation area, originally labeled S-1 and S-2, the confirmation samples obtained in these areas were labeled S-1 to S-5. The results of this event are in the following data table:

9-22-22 Preliminary Bottom Samples

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 9-22-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg	Combined Closure Criteria ≤ 100 mg/kg			Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S1-Comp	2'	ND	ND	ND	ND	ND	0	16
S2-Comp	2'	ND	ND	ND	ND	ND	0	32
S3-Comp	2'	ND	ND	ND	ND	ND	0	64
S4-Comp	2'	ND	ND	ND	ND	ND	0	64
S5-Comp	2'	ND	ND	ND	ND	ND	0	304
S SW-Comp	2'	ND	ND	ND	ND	ND	0	128
N SW-Comp	2'	ND	ND	ND	ND	ND	0	96
E SW-Comp	2'	ND	ND	ND	ND	ND	0	368
W SW-Comp	2'	ND	ND	ND	ND	ND	0	640

ND- Analyte Not Detected

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

CLOSURE REQUEST

After careful review, Paragon requests that this incident, **NRH2003443103**, 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

Tristan Jones
Project Coordinator
Paragon Environmental, LLC



A handwritten signature in blue ink, appearing to read "Chris Jones".

Chris Jones
Environmental Professional
Paragon Environmental



Attachments

Figures:

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

Appendices:

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



Figures:

- 1- Site Map
- 2- TOPO Map
- 3- Karst Map
- 4- Aerial Map
- 5- Preliminary Sample Map
- 6- Confirmation Sample Map

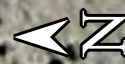
Legend

- Huber Federal #11H 32.611063,-104.471129
- Spill Area

Huber Federal #11H 32.611063,-104.471129

Spur Energy Partners

Huber Federal #11H
API# 30-015-44709
Eddy County, NM
Site Map



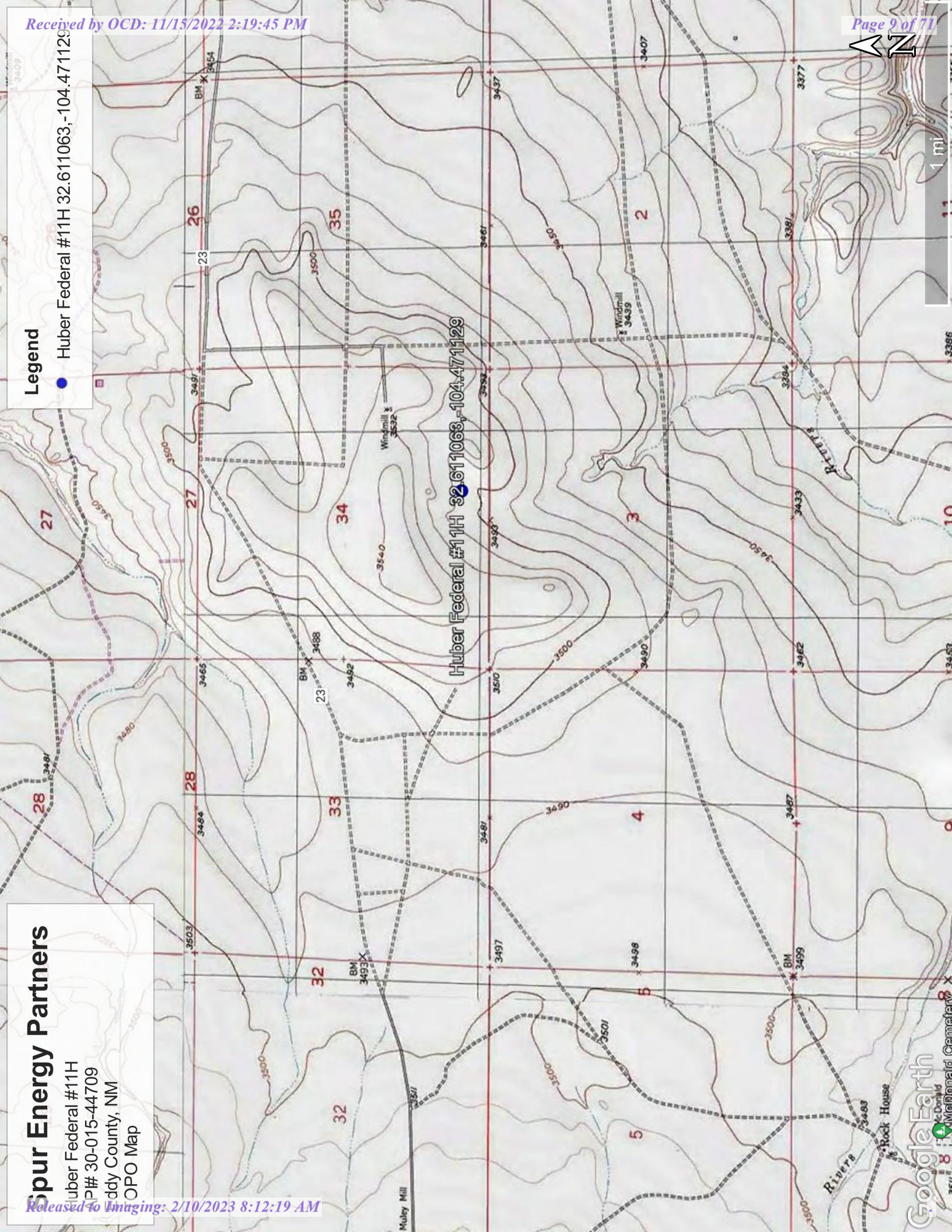
100 ft

Legend

- Huber Federal #11H 32.611063,-104.471129

Spur Energy Partners

Huber Federal #11H
P# 30-015-44709
ddy County, NM
OPO Map



Spur Energy Partners

Huber Federal #11H
P# 30-015-44709
ddy County, NM
OPO Map

Legend

- High
- Huber Federal #11H 32.611063, -104.471129
- Low
- Medium

763

763

Huber Federal #11H 32.611063, -104.471129

Seven Rivers

Pecos River

Brantley Lake State Park

285

285

7 mi

Google Earth

Legend

- Huber Federal #11H 32.611063, -104.471129

Spur Energy Partners

Huber Federal #11H
P# 30-015-44709
ddy County, NM
erial Map

Huber Federal #11H 32.611063, -104.471129

Seven Rivers

Pecos River
Brantley Lake State Park

Spur Energy Partners

Huber Federal #11H
P# 30-015-44709
ddy County, NM
reliminary Sample Map

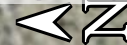
Released to Imaging: 2/10/2023 8:12:19 AM

Legend

- Feature 1
- Huber Federal #11H 32.611063,-104.471129

Received by OCD: 11/15/2022 2:19:45 PM

Page 12 of 71



100 ft

Google Earth



Spur Energy Partners

Huber Federal #11H

API# 30-015-44709

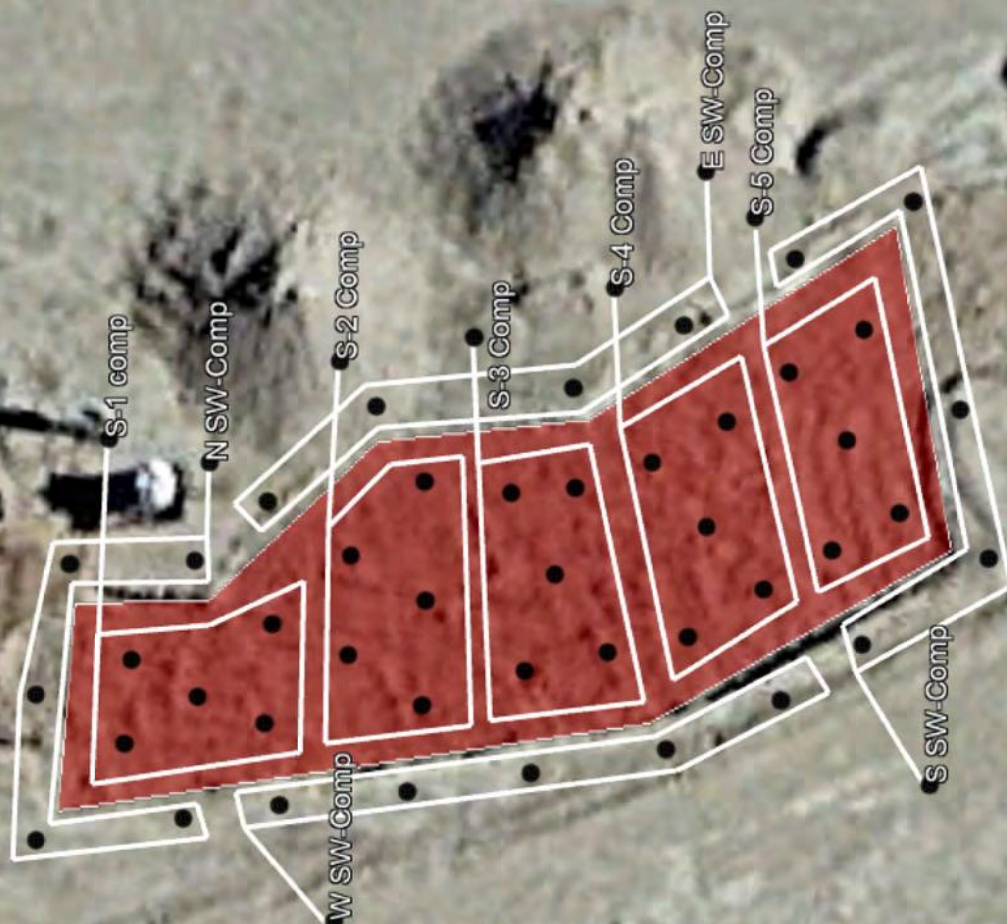
Eddy County, NM

Confirmation Sample Map

Legend

- Huber Federal #11H 32.611063, -104.471129
- Spill Area

Huber Federal #11H 32.611063





Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

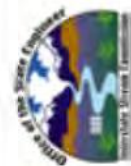
(A CLW#### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(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	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 1	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water
	Code		ED	ED	ED	ED	ED	ED	ED	ED	ED	ED	ED	ED	ED	ED
RA 02958	RA	ED	1	4	34	19S	25E	549681	3608740*	450	450	450	450	450	450	450
RA 03018	RA	ED	3	2	4	19S	25E	549987	3608639*	502	530	502	530	502	530	502
RA 10779	RA	ED	1	3	2	10S	25E	549580	3606026*	2267	1300	2267	1300	2267	1300	2267
RA 03304	RA	ED	1	27	19S	25E	549081	3610973*	2733	130	60	70	130	60	70	130
RA 10898	RA	ED	2	1	3	01S	25E	552198	3607248*	2780	810	121	689	2780	810	121
RA 05458	RA	ED	3	3	01S	25E	552101	3606747*	2922	500	95	405	500	95	405	500
RA 10817	RA	ED	1	1	12	20S	25E	552002	3606443*	3014	743	102	641	3014	743	102
RA 05973	RA	ED	4	3	10S	25E	549280	3605111	3200	200	130	70	200	130	70	200
RA 08986	RA	ED	1	3	3	22S	25E	548825	3611507	3311	320	220	100	3311	320	220
RA 10918	RA	ED	3	2	4	11S	25E	551600	3605434*	3477	694	70	624	3477	694	70
RA 10496	RA	ED	3	3	4	25S	25E	552801	3609865*	3546	110	40	70	3546	110	40



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag POD Number (quarters are 1=NW 2=NE 3=SW 4=SE)
RA 02958 Q64 Q16 Q4 (quarters are smallest to largest)
1 4 34 19S 25E (NAD83 UTM in meters)
549681 3608740* X Y Y

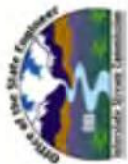
Driller License: 46 Driller Company: ABBOTT BROTHERS COMPANY
Driller Name:
Drill Start Date: Drill Finish Date: Plug Date:
Log File Date: PCW Rcv Date: Source:
Pump Type: Pipe Discharge Size: Estimated Yield:
Casing Size: 7.00 Depth Well: 450 feet Depth Water:

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/13/22 10:32 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 03018		3	2	4	34	19S	25E	549987	3608639*

Driller License: 46 Driller Company: ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT BROS.

Drill Start Date: Drill Finish Date: 02/01/1953 Plug Date:

Log File Date: 08/26/1953 PCW Rev Date: Source:

Pump Type: Pipe Discharge Size: Estimated Yield:

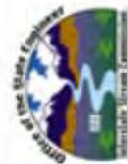
Casing Size: 7.00 Depth Well: 530 feet Depth Water:

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC makes no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/13/22 10:54 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 10779		1	3	2	10	20S	25E	549580	3606026*

Driller License:	Driller Company:
Driller Name: NM LICENSED DRILLER	
Drill Start Date:	Drill Finish Date:
Log File Date:	PCW Rcv Date:
Pump Type:	Pipe Discharge Size:
Casing Size:	Depth Well:
13.38	1300 feet
	Plug Date:
	Source:
	Estimated Yield:
	Depth Water:

*UTM location was derived from PLSS - see Help

The data is furnished by the NMJOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/13/22 10:55 AM

POINT OF DIVERSION SUMMARY



Appendix B
Soil Survey:

U.S.D.A.
FEMA Flood Map

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RE—Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d

Elevation: 1,100 to 5,400 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 180 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent

Upton and similar soils: 25 percent

Minor components: 5 percent

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

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 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: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6e

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R042CY153NM - Loamy
Hydric soil rating: No

Description of Upton

Setting

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042CY159NM - Shallow Loamy
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Pima

Percent of map unit: 2 percent
Ecological site: R070BC017NM - Bottomland

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

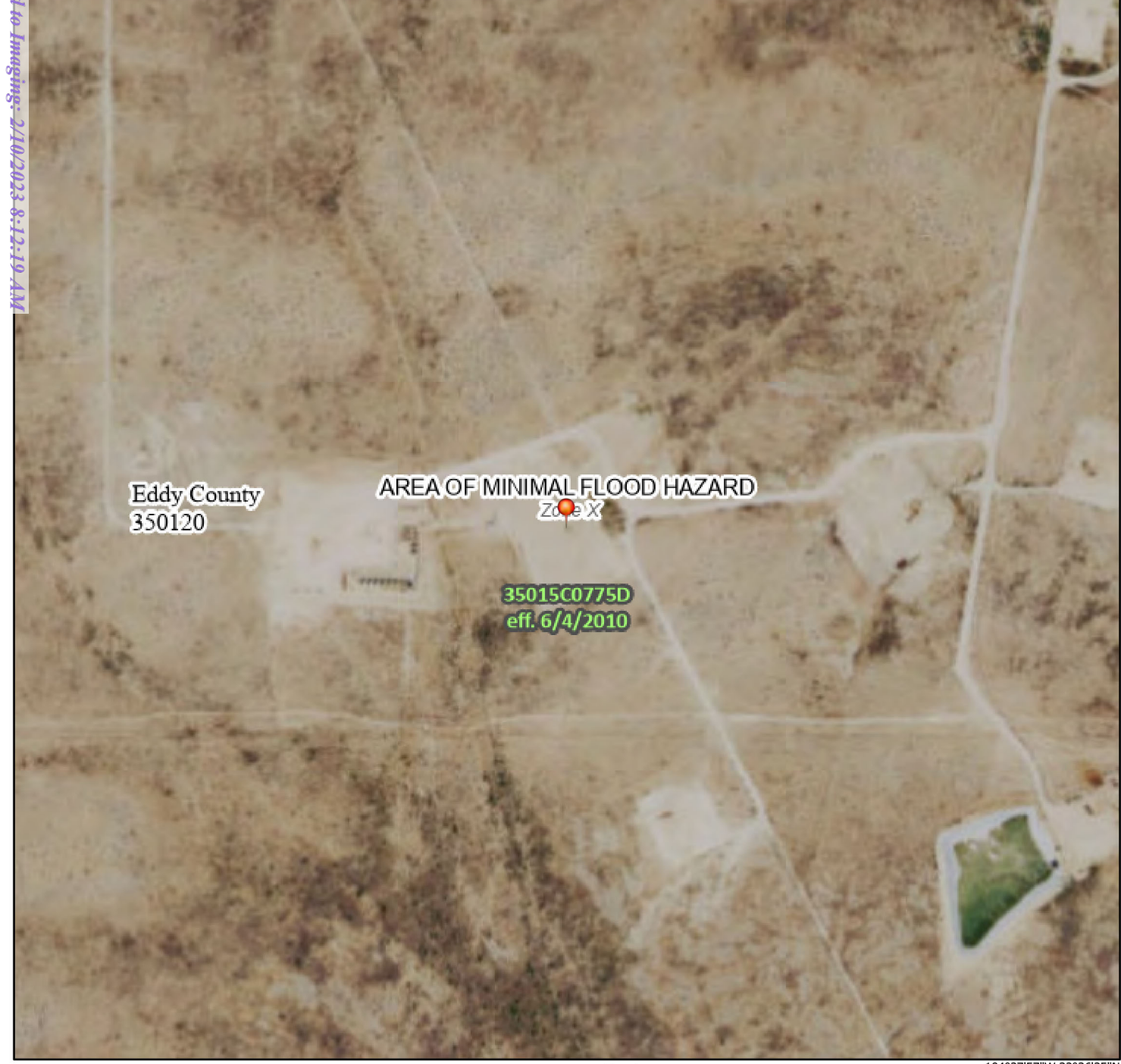
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMMette



104°28'35"W 32°36'55"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°27'57"W 32°36'25"N
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
		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
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
MAP PANELS		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		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 **10/13/2022 at 2:28 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.

Released to Imaging: 2/10/2023 8:12:19 AM

Received by OCD: 11/13/2022 2:19:45 PM

Page 23 of 71



Appendix C:

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NRH2003443103
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SPUR ENERGY PARTNERS	OGRID 325855 Correct OGRID 328947 RH
Contact Name KENNY KIDD	Contact Telephone 575-616-5400
Contact email kkidd@spurepllc.com	Incident # (assigned by OCD)
Contact mailing address 919 MILAM STREET SUITE 2475 HOUSTON TEXAS 77002	

Location of Release Source

Latitude **32.611063**

Longitude **-104.471129**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name HUBER FEDERAL #011H	Site Type OIL & GAS
Date Release Discovered 12-14-19	API# 30-015-44709

Unit Letter	Section	Township	Range	County
O	34	19S	25E	EDDY

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: BOTH MINERAL AND SURFACE _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls) 5BBL	Volume Recovered (bbls) 3BBLs
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

WELL HEAD PIPING BEFORE THE BPV (BACK PRESSURE VALVE) CAUSED APPROX. 5BBLs OF OIL TO BE RELEASED ONTO THE PAD. A VACUUM TRUCK WAS DISPATCHED OUT TO RECOVER APPROX. 3BBLs OF FLUID AND HAULED TO DISPOSAL.

Form C-141

State of New Mexico
Oil Conservation Division


Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: A ROUSTABOUT CREW WASHED OUT THE FITTINGS AND NIPPLES AND REPLACED.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>NATALIE GLADDEN</u> Title: <u>ENVIRONMENTAL AND REGULATORY</u> DIRECTOR	
Signature: <u></u>	Date: <u>12-20-19</u>
email: <u>NGLADDEN@HUNGRY-HORSE.COM</u>	Telephone: <u>575-390-6397</u>
OCD Only Received by: <u>Robert Hamlet</u> Date: <u>2/3/2020</u>	

State of New Mexico
Oil Conservation Division

Form C-141

Incident ID	NRH2003443103
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	60 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan

Incident ID	NRH2003443103
District RP	
Facility ID	
Application ID	

and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 11/15/2022

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 11/15/2022

Incident ID	NRH2003443103
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Kathy Purvis.

Title: HSE Coordinator

Signature: Katherine Purvis

Date: 11/15/2022

email: katherine.purvis@spurenergy.com

Telephone: 575-441-8619

OCD Only

Received by: Jocelyn Harimon

Date: 11/15/2022

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix D:

Email Notification
Photographic Documentation



Tristan Jones <tristan@paragonenvironmental.net>

Confirmation Samples

2 messages

Chris Jones <chris@paragonenvironmental.net>

To: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>
<Jennifer.Nobui@state.nm.us>

Cc: Chad Hensley <chensley@spurenergy.com>, Braidy Moulder <bmoulder@spurenergy.com>, Angel Pena <angel@paragonenvironmental.net>, Tristan Jones <tristan@paragonenvironmental.net>

Wed, Sep 21, 2022 at 9:33 AM
"Nobui, Jennifer, EMNRD"

Mike,

This is to inform you we will be obtaining confirmation soil samples at the following locations on 9-22-22 at approximately 8 am.

NRH2003443103- Huber Federal #11H- We are completing the dig-out today and will be collecting samples on 9-22-22 at 8 am.

NAPP2104927763- State S 19 #4- We should be finished with the dig-out on this project by noon tomorrow and will collect samples on 9-22-22 at approximately 1-2 pm.

If you have any concerns or questions, please advise, and if you want to coordinate to be onsite, we can accommodate and schedule a time you can be there.

Thank You,

Chris Jones

Environmental Professional

1601 N. Turner Ste. 500

Hobbs, NM 88240

Chris Jones Mail - Confirmation Samples

10/17/22, 10:13 AM

chris@paragonenvironmental.net

575-631-6977 cell



“We do not inherit the Earth
from our ancestors; we borrow
it from our children.”

Chief Seattle

Chris Jones <chris@paragonenvironmental.net>
To: Tristan Jones <tristan@paragonenvironmental.net>

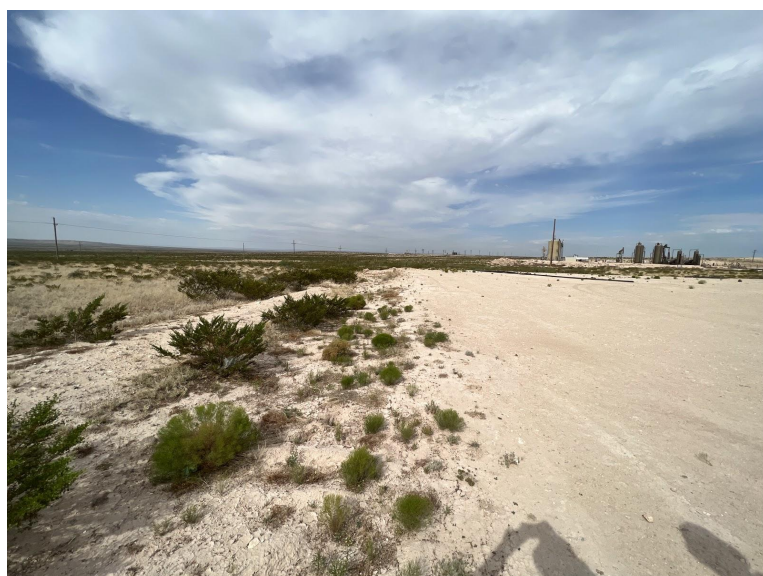
Mon, Oct 17, 2022 at 10:06 AM

Here ya go, you were on that email. I'm trying to remember to add you to things like this so you'll have them too.

[Quoted text hidden]



**Photographic Documentation
Before Remediation**





**Photographic Documentation
During Remediation**





**Photographic Documentation
Post Remediation**





Appendix E:
Laboratory Results



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

August 04, 2022

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: HUBER FEDERAL 11 H

Enclosed are the results of analyses for samples received by the laboratory on 07/29/22 9:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 SURFACE (H223351-01)

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	08/02/2022	ND	1.99	99.3	2.00	11.3	
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5	
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5	
Total BTEx	<0.300	0.300	08/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	222	111	200	5.98	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	220	110	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 62.6 % 43-149

Surrogate: 1-Chlorooctadecane 66.2 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 1' (H223351-02)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2022	ND	1.99	99.3	2.00	11.3	
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5	
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5	
Total BTX	<0.300	0.300	08/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	222	111	200	5.98	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	220	110	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 63.7 % 43-149

Surrogate: 1-Chlorooctadecane 70.8 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 2' (H223351-03)

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	08/02/2022	ND	1.99	99.3	2.00	11.3		
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5		
Total BTEx	<0.300	0.300	08/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	222	111	200	5.98	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	220	110	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 61.0 % 43-149

Surrogate: 1-Chlorooctadecane 67.6 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 3' (H223351-04)

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	08/02/2022	ND	1.99	99.3	2.00	11.3		
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5		
Total BTEX	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	222	111	200	5.98	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	220	110	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 54.9 % 43-149

Surrogate: 1-Chlorooctadecane 61.4 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 SURFACE (H223351-05)

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	08/02/2022	ND	1.99	99.3	2.00	11.3		
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5		
Total BTEX	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26400	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	222	111	200	5.98	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	220	110	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 59.4 % 43-149

Surrogate: 1-Chlorooctadecane 64.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 1' (H223351-06)

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	08/02/2022	ND	1.99	99.3	2.00	11.3		
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5		
Total BTEx	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	222	111	200	5.98	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	220	110	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 68.1 % 43-149

Surrogate: 1-Chlorooctadecane 74.9 % 42.5-161

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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 2' (H223351-07)

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	08/02/2022	ND	1.99	99.3	2.00	11.3		
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5		
Total BTEx	<0.300	0.300	08/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 84.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 3' (H223351-08)

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	08/02/2022	ND	1.99	99.3	2.00	11.3		
Toluene*	<0.050	0.050	08/02/2022	ND	2.06	103	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.09	104	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.35	106	6.00	10.5		
Total BTEX	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 SURFACE (H223351-09)

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	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTEx	<0.300	0.300	08/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 43-149

Surrogate: 1-Chlorooctadecane 79.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 1' (H223351-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTEx	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 2' (H223351-11)

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	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTEx	<0.300	0.300	08/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 3' (H223351-12)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2022	ND	1.89	94.4	2.00	1.74	
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69	
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74	
Total BTX	<0.300	0.300	08/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 SURFACE (H223351-13)

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	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTEx	<0.300	0.300	08/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 1' (H223351-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2022	ND	1.89	94.4	2.00	1.74	
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69	
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74	
Total BTX	<0.300	0.300	08/02/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 SURFACE (H223351-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTX	<0.300	0.300	08/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 64.9 % 43-149

Surrogate: 1-Chlorooctadecane 75.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 1' (H223351-16)

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	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTEx	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 65.2 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 2' (H223351-17)

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	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTX	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 87.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/29/2022
Reported: 08/04/2022
Project Name: HUBER FEDERAL 11 H
Project Number: NOT GIVEN
Project Location: SPUR - EDDY, NM

Sampling Date: 07/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 3' (H223351-18)

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	08/02/2022	ND	1.89	94.4	2.00	1.74		
Toluene*	<0.050	0.050	08/02/2022	ND	2.03	102	2.00	2.69		
Ethylbenzene*	<0.050	0.050	08/02/2022	ND	2.01	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/02/2022	ND	6.32	105	6.00	1.74		
Total BTEx	<0.300	0.300	08/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	197	98.7	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	104	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 43-149

Surrogate: 1-Chlorooctadecane 85.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental

Project Manager: Chris Jones

Address: 225 Billy Walker Rd

city: Hobbs

Phone #: (515) 631-6977

Project #:

Project Name: Huber Federal 11 #

Project Location: Edley, MN

Sampler Name: Tristan Jones

FOR USE ONLY

Lab I.D. _____

Sample I.D.

#2235

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analysts. All claims, including those for negligence and any other causes of action, in no event shall Cardinal be liable for incidental or consequential damages.

Kellnau

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Delivered By: (Circle One) 2.8c

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal chan

† Cardinal cannot accept verbal change.

[illegible]

Page 21 of 22



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO		ANALYSIS REQUEST													
Project Manager: Chris Jones		Company:																	
Address: 225 Billy Walker Rd		Attn:																	
City: Hobbs		State: NM		Zip: 88240															
Phone #: (575)631-6977		Fax #:																	
Project #:		Project Owner:		City:															
Project Name:		State:		Zip:															
Project Location:		Phone #:																	
Fax #:																			
Sampler Name:		PRESERV		SAMPLING															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	EXT	BTEX	Chlorides	
1103351	2'		1										7-20						
11	2'																		
12	3'																		
13	Surface																		
14	Surface																		
15	Surface																		
16	1'																		
17	2'																		
18	3'																		
PLEASE NOTE: Liability and Damages: Cardinal's liability and coverage are limited to the amount paid by the client for the analysis. All claims including those for negligence and any other claims shall be limited to the amount paid by the client for the analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated theories of liability.		Relinquished By: [Signature]		Time: 4:20		Date: 7/20		Received By: [Signature]		Time: 7:20		Date: 7-20		REMARKS:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Delivered By: (Circle One) 2.82° C-0.64		Sample Condition		Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: [Signature]											
Sampler - UPS - Bus - Other: 2.82° #113		Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															



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

September 23, 2022

CASON SPURLOCK

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: HUBER FEDERAL 11 H

Enclosed are the results of analyses for samples received by the laboratory on 09/22/22 15:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S 1 - COMP 2' (H224414-01)

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	09/22/2022	ND	1.98	99.1	2.00	0.589	
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691	
Total BTX	<0.300	0.300	09/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/23/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 74.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S 2 - COMP 2' (H224414-02)

BTX 8021B		mg/ kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/23/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S 3 - COMP 2' (H224414-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/23/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S 4 - COMP 2' (H224414-04)

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	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTEx	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/23/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S 5 - COMP 2' (H224414-05)

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	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTEX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/23/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S SW - COMP (H224414-06)

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	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTEX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/23/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: N SW - COMP (H224414-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/23/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 81.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: E SW - COMP (H224414-08)

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	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTEX	<0.300	0.300	09/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/23/2022	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2022
 Reported: 09/23/2022
 Project Name: HUBER FEDERAL 11 H
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 09/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W SW - COMP (H224414-09)

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	09/22/2022	ND	1.98	99.1	2.00	0.589		
Toluene*	<0.050	0.050	09/22/2022	ND	1.95	97.3	2.00	0.800		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.90	94.9	2.00	0.824		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.85	97.5	6.00	0.691		
Total BTX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	09/23/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	194	97.2	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	180	90.2	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental				BILL TO				ANALYSIS REQUEST							
Project Manager: Cason Spurlock				P.O. #:											
Address: 5002 Carriage Rd				Company: <i>Spur Energy</i>											
City: Hobbs				Attn:											
State: NM zip: 88242				Address:											
Phone #: 575-631-6977				City:											
Fax #:				State:											
Project #:				Zip:											
Project Name: <i>Huber 11 H</i>				Phone #:											
Project Location: <i>Kursi Caddy</i>				Fax #:											
Sample Name: <i>Good W. Pond</i>															
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		DATE		TIME		<i>Chlorides</i> <i>TPH</i> <i>BTEX</i>					
				# CONTAINERS											
														GROUNDWATER	
														WASTEWATER	
														SOIL	
														OIL	
														SLUDGE	
														OTHER :	
														ACID/BASE:	
														ICE / COOL	
														OTHER :	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for this service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Reinquired By: <i>[Signature]</i>		Date: <i>8-22-22</i>		Received By: <i>[Signature]</i>		Time: <i>1:58</i>	
Relinquished By: <i>[Signature]</i>		Date: <i>8-22-22</i>		Received By: <i>[Signature]</i>		Time: <i>1:58</i>	

Delivered By: (Circle One) *3.9e/3.3e #113*

Sampler - UPS - Bus - Other: *3.9e/3.3e #113*

Sample Condition		CHECKED BY: <i>[Signature]</i>	
Cool	Intact		
<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes		
<input type="checkbox"/> No	<input type="checkbox"/> No		

REMARKS: *Push!*

24hr.

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

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

CONDITIONS

Action 159045

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 159045
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRH2003443103 HUBER FEDERAL #11H, thank you. This closure is approved.	2/10/2023