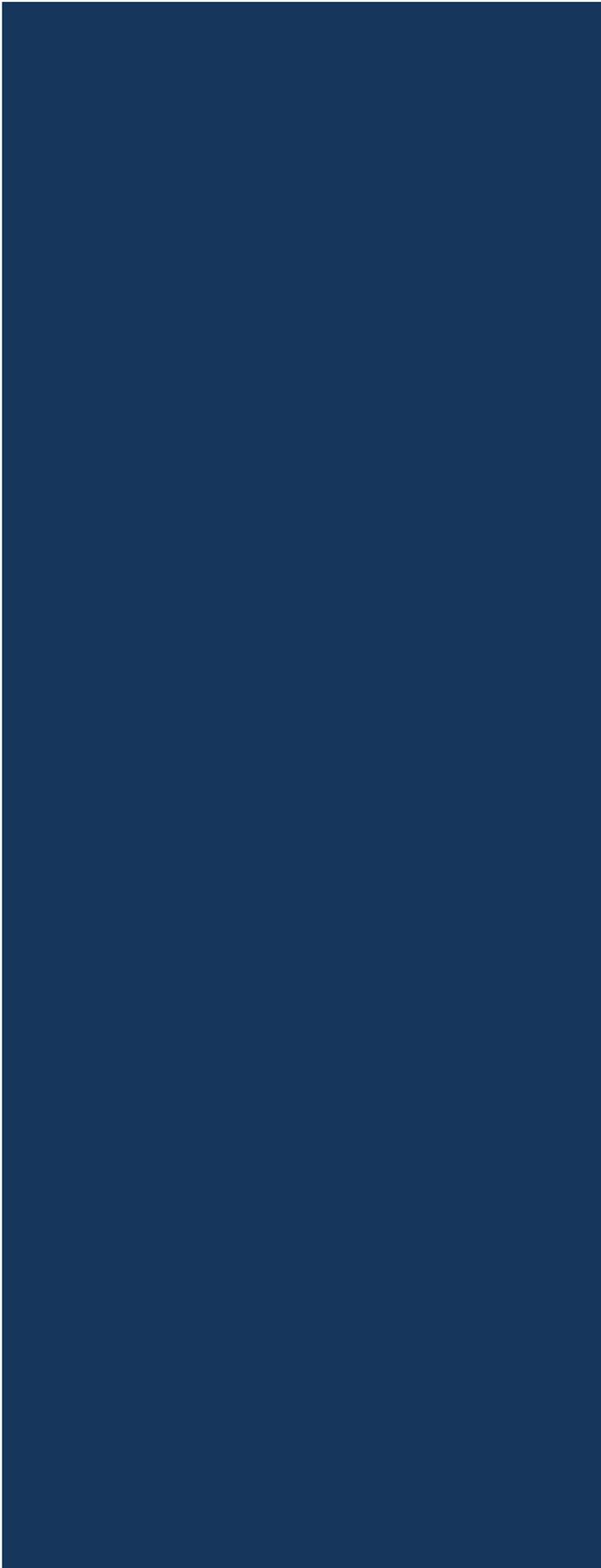


Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Length(Ft)	Width(Ft)	Depth(In)
50.000	25.000	14.000
Cubic Feet Impacted		1458.333
Barrels		259.72
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		38.96
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		39.00000

Instructions
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	50
Width (ft)	25
Depth (in)	14.000









February 28, 2024

NMOCD District 2
 Mike Bratcher
 Artesia, NM 88210

Bureau of Land Management
 Crisha Morgan
 Carlsbad Field Office

Re: Site Assessment, Remediation, and Closure Report
Sandy Crossing 32 SC #1 Battery (Nearest Well: Exxon 33 Fed Com #1)
API No. 30-015-29021
GPS: Latitude 32.792896 Longitude -104.288669
UL "E", Sec. 33, T17S, R27E
Eddy County, NM
NMOCD Ref. No. nAPP2104839453

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities, and reclaim the old containment area for the release site known as the Sandy Crossing 32 SC #1 Battery (Sandy). Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil / Produced Water	Volume of Release:	40 bbls
		Volume Recovered:	5 bbls
Source of Release:	Tank Valve	Date of Release:	2/15/21
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	Mike Bratcher, NMOCD
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	Federal
The 3-inch valve off of the water tank froze and busted. This caused a release of fluid inside the unlined containment. Some fluid went over the containment berm onto the location.			

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

REGULATORY FRAMEWORK

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

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

A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average groundwater depth within one (1) Mile radius of the Release Site and identify any registered water wells within ½ Mile of the Release Site. The data initially found on the State Engineers website showed there was NO water data within a ½ mile radius. With this we contracted Atkins Engineering Associates INC. to drill a water well to show the depth to ground water. We found that the depth to groundwater is greater than 100'.

Depth to groundwater information is provided in Appendix A.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Paleozoic Formation- and is made up of Artesia Group (Guadalupian)—Shelf facies forming broad south-southeast trending outcrop from Glorieta to Artesia area; includes Tansill, Yates, Seven Rivers, Queen and Grayburg Formations (Guadalupian). May locally include Moenkopi Formation (Triassic) at top (Pat). The soil in this area is made up of Reeves-Gypsum Land Complex, with 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained. There is a high potential for karst geology to be present around the Sandy and so closure criteria was adhered to based on this characteristic (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
>100 Feet	Chloride	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

INITIAL SITE ASSESSMENT

On December 13, 2022, Paragon conducted an initial site assessment. During the initial site assessment, we sampled inside and outside the battery inside the footprint from the incident. The results of this sampling event are detailed in the following data table.

12-13-22 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 12-13-22		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	0-6"	ND	ND	ND	ND	ND	ND	976
	1'	ND	ND	ND	ND	ND	ND	880
	2'	ND	ND	ND	ND	ND	ND	224
	3'	ND	ND	ND	ND	ND	ND	464
	4'	ND	ND	ND	ND	ND	ND	192
S-2	0-6"	ND	ND	ND	ND	ND	ND	80
	1'	ND	ND	ND	ND	ND	ND	304
	2'	ND	ND	ND	ND	ND	ND	896
	3'	ND	ND	ND	ND	ND	ND	224
	4'	ND	ND	ND	ND	ND	ND	384
S-3	0-6"	ND	ND	ND	ND	ND	ND	288
	1'	ND	ND	ND	ND	ND	ND	704
	2'	ND	ND	ND	ND	ND	ND	4760
	3'	ND	ND	ND	ND	ND	ND	1580
	4'	ND	ND	ND	ND	ND	ND	784
S-4	0-6"	ND	ND	ND	ND	ND	ND	17200
	1'	ND	ND	ND	ND	ND	ND	15100
	2'	ND	ND	ND	ND	ND	ND	5040
	3'	ND	ND	ND	ND	ND	ND	1680
	4'	ND	ND	ND	ND	ND	ND	1090

ND- Analyte Not Detected
 Laboratory Report can be found in Appendix D

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

On January 23, 2024, Paragon mobilized equipment and personnel to the Sandy to begin remediation activities. The following tasks were performed in accordance with Rule 19.15.29.12.

- In the area of S-1, we excavated to a depth of 2 feet BGS.
- In the area of S-2, we excavated to a depth of 3 feet BGS.
- In the areas of S-3 and S-4, we excavated to a depth of 4.5 feet BGS.

Once these areas were excavated to the specified depths, we advised the OCD through the portal that we would be obtaining confirmation samples on 1/29/24. Bottom samples were obtained utilizing 5-point composite sampling. Sidewall samples were obtained, with each sample representing no more than 200 s/f. The results of this sampling event are in the following data table:

1/29/24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 100')								
Sample Date 1/29/24		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRD	MRO	Total TPH	CHLORIDES
S-1	2'	ND	ND	11.7	ND	ND	11.7	208
S-2	3'	ND	ND	ND	ND	ND	ND	64
S-3	3'	ND	ND	ND	ND	ND	ND	64
S-4	4.5	ND	ND	ND	ND	ND	ND	128
NSW-1	2'	ND	ND	ND	ND	ND	ND	64
NSW-2	4.5	ND	ND	ND	ND	ND	ND	208
SSW-1	2'	ND	ND	ND	ND	ND	ND	176
SSW-2	3'	ND	ND	ND	ND	ND	ND	224
SSW-3	4.5'	ND	ND	ND	ND	ND	ND	240
ESW-1	2'	ND	ND	ND	ND	ND	ND	176
ESW-2	3'	ND	ND	ND	ND	ND	ND	32
ESW-3	3'	ND	ND	ND	ND	ND	ND	64
ESW-4	4.5'	ND	ND	ND	ND	ND	ND	272
WSW-1	2'	ND	ND	ND	ND	ND	ND	240
WSW-2	3'	ND	ND	ND	ND	ND	ND	32
WSW-3	4.5'	ND	ND	ND	ND	ND	ND	176

ND- Analyte Not Detected

Upon reviewing the closure report it was decided to resample the original footprint area to ensure closure would be obtained. We extended our sampling labels from the confirmation sampling to stay in order and for the site map to be read more easily. The results from this sampling event are in the following data table:

2/21/24 Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 2/21/24		Closure Criteria ≤50 mg/kg	Closure Criteria ≤10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRD	MRO	Total TPH	CHLORIDES
S-5	0-6"	ND	ND	ND	ND	ND	ND	352
S-6	0-6"	ND	ND	ND	ND	ND	ND	400
S-7	0-6"	ND	ND	ND	ND	ND	ND	352
S-8	0-6"	ND	ND	ND	ND	ND	ND	160
S-9	0-6"	ND	ND	ND	ND	ND	ND	368
S-10	0-6"	ND	ND	ND	ND	ND	ND	576
NSW-3	0-6"	ND	ND	ND	ND	ND	ND	224
NSW-4	0-6"	ND	ND	ND	ND	ND	ND	256
NSW-5	0-6"	ND	ND	ND	ND	ND	ND	512
ESW-5	0-6"	ND	ND	ND	ND	ND	ND	224
ESW-6	0-6"	ND	ND	ND	ND	ND	ND	320
ESW-7	0-6"	ND	ND	ND	ND	ND	ND	176
SSW-4	0-6"	ND	ND	ND	ND	ND	ND	288
SSW-5	0-6"	ND	ND	ND	ND	ND	ND	528
SSW-6	0-6"	ND	ND	ND	ND	ND	ND	208
SSW-7	0-6"	ND	ND	ND	ND	ND	ND	320
WSW-4	0-6"	ND	ND	ND	ND	ND	ND	272
WSW-5	0-6"	ND	ND	ND	ND	ND	ND	208
WSW-6	0-6"	ND	ND	ND	ND	ND	ND	240

ND- Analyte Not Detected

CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2104839453, 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 contact Chris Jones by phone at (575)964-7814 or email chris@paragonenvironmental.net

Respectfully,



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys & RA-13283 POD1
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – C-141
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Figures:

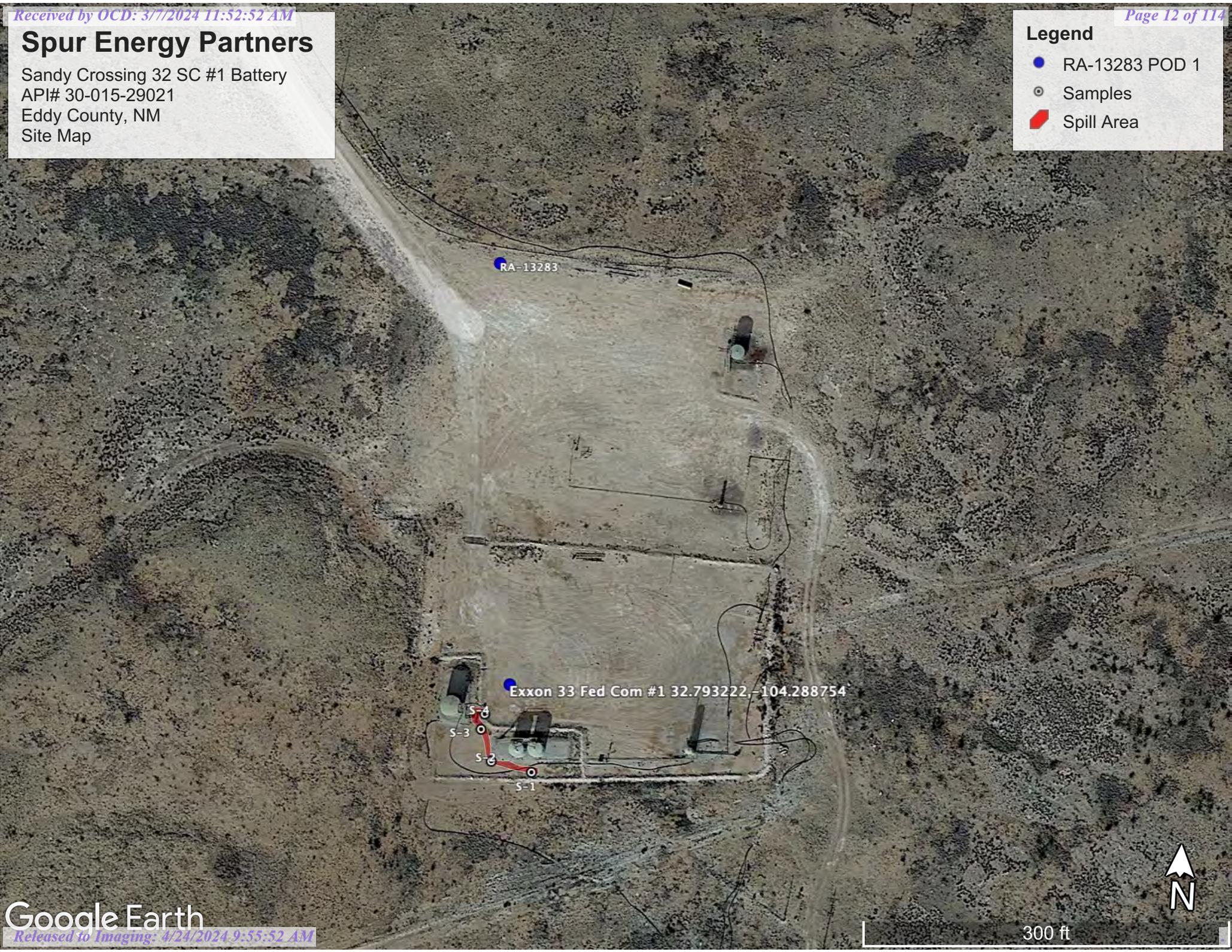
- 1-Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Aerial Map
- 5- Confirmation Map

Spur Energy Partners

Sandy Crossing 32 SC #1 Battery
API# 30-015-29021
Eddy County, NM
Site Map

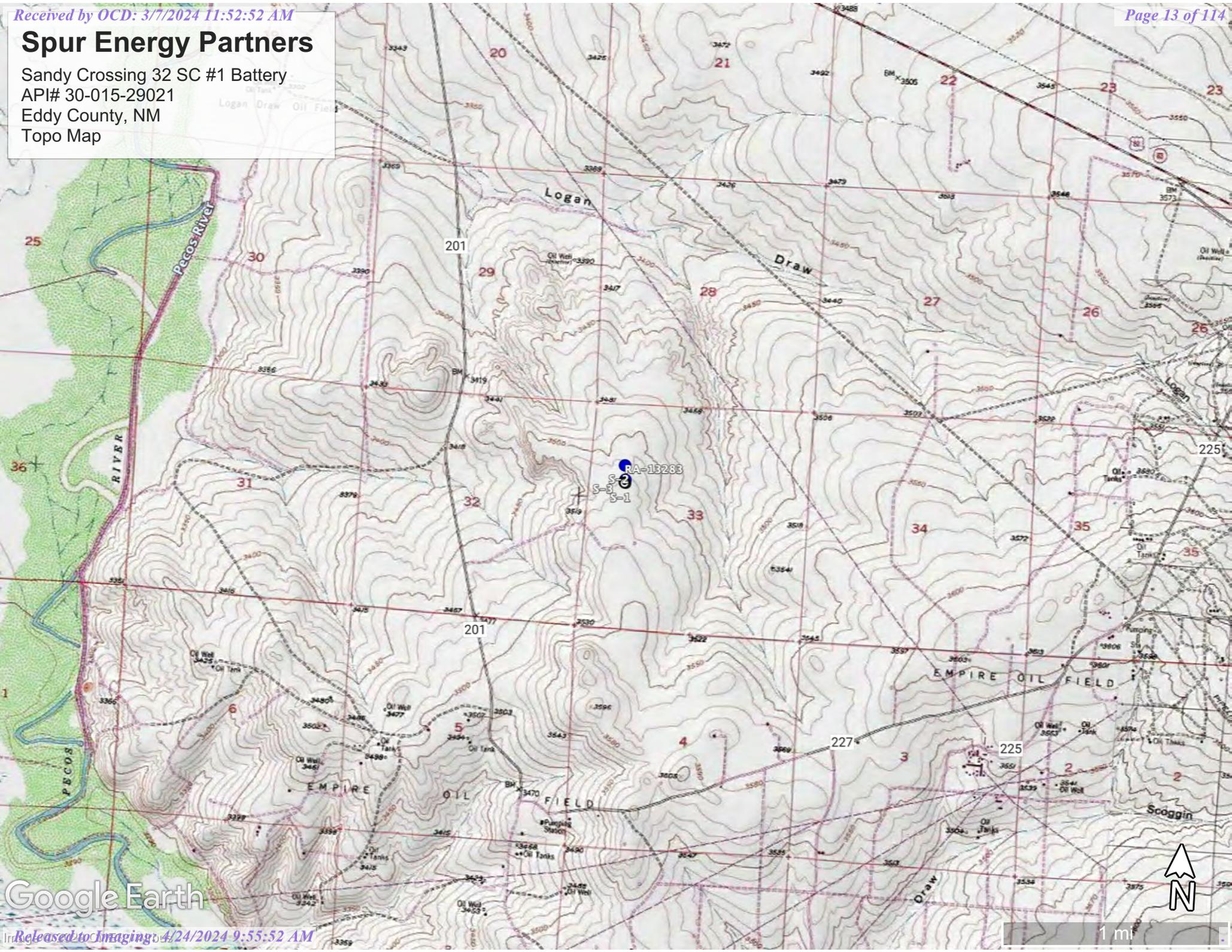
Legend

- RA-13283 POD 1
- Samples
- Spill Area



Spur Energy Partners

Sandy Crossing 32 SC #1 Battery
API# 30-015-29021
Eddy County, NM
Topo Map



Google Earth

1 mi

Spur Energy Partners

Sandy Crossing 32 SC #1 Battery
API# 30-015-29021
Eddy County, NM
Karst Map

Legend

-  32.792896, -104.288669
-  Exxon 33 Fed Com 1
-  High
-  Low
-  Medium

32.792896, -104.288669  Exxon 33 Fed Com 1



Spur Energy Partners

Sandy Crossing 32 SC #1 Battery
API# 30-015-29021
Eddy County, NM
Aerial Map

Legend

-  32.792896, -104.288669
-  Exxon 33 Fed Com 1

32.792896, -104.288669  Exxon 33 Fed Com 1

Google Earth

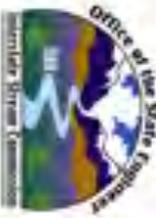


5 mi



Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 1	Q 2	Q 3	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 03661	RA	ED	3	2	3	32	17S	27E	565186	3628038*		1509	330	140	190	
RA 03664	RA	CH	3	2	3	32	17S	27E	565186	3628038*		1509	400	100	300	

Average Depth to Water: **120 feet**
 Minimum Depth: **100 feet**
 Maximum Depth: **140 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 566605.99

Northing (Y): 3628551.11

Radius: 2000

***UTM location was derived from PLSS - see Help**

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

12/21/22 11:18 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

April 4, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: RA-13283 Pod-1- Corrected Log

To whom it may concern:

Attached please find the corrected well log & record and a plugging record and the original timestamped log that need to be corrected, in duplicate, for a one (1) soil borings, RA-13283 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive style.

Lucas Middleton

Enclosures: as noted above

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RA-13283-POD1-WR-20 Well Record and Log-packetforsign

Final Audit Report

2023-04-10

Created:	2023-04-10
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAnr_fN5dTzPLTf2PMDw3WcaV4E4hR0mQK

"RA-13283-POD1-WR-20 Well Record and Log-packetforsign" History

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2023-04-10 - 6:05:14 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-04-10 - 6:45:11 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-04-10 - 6:46:58 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-04-10 - 6:46:58 PM GMT

Names and email addresses are entered into the Acrobat Sign service by Acrobat Sign users and are unverified unless otherwise noted.

USE DT JUN 15 2023 PM 1:42

USE 2023 PM 2:47





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). RA-13283		
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL) 832-930-8502		
	WELL OWNER MAILING ADDRESS 9644 Katy Freeway, Suite 500				CITY Houston	STATE ZIP TX 77024	
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 47	SECONDS 37.83	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE 104		17	19.43		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW SW Sec.10 T17S R29E, NMPM							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 03/29/2023		DRILLING ENDED 03/29/2023	DEPTH OF COMPLETED WELL (FT) 101	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 04/03/2023	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	6.25"	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.		POD NO.		TRN NO.	
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13283 POD-1

Well owner: Spur Energy Partners LLC Phone No.: 832-930-8502

Mailing address: 9655 Katy Freeway Suit 500

City: Houston State: Texas Zip code: 77024

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 04/03/2023 Date well plugging concluded: 04/03/2023
- 5) GPS Well Location: Latitude: 32 deg, 47 min, 37.83 sec
Longitude: 104 deg, 17 min, 19.43 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 02/27/2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

USE OF JUN 15 2023 PML 43

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-101'	Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	

095 001 JUN 15 2023 PM 01:43

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

6/15/23

Date

RA-13283-pod1-log-correction-forgsin

Final Audit Report

2023-06-15

Created:	2023-06-15
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAdr1u70LdAwCh4i2xiMfr1GHb4Ay8a7L

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Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

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

Eddy Area, New Mexico

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

Map Unit Setting

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

Map Unit Composition

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

Description of Reeves

Setting

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

Typical profile

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

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

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

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Description of Gypsum Land

Setting

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

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 5 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Reagan

Percent of map unit: 5 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



104°17'38"W 32°47'51"N



Legend

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

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D
 - OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
 - GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
 - OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



1:6,000

104°17'1"W 32°47'20"N

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 2/5/2024 at 12:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C:

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SPUR ENERGY PARTNERS	OGRID 328947
Contact Name BRAIDY MOULDER	Contact Telephone 713-264-2517
Contact email bmoulder@spurepllc.com	Incident # (assigned by OCD)
Contact mailing address 919 MILAM STREET SUITE 2475 HOUSTON, TX 77002	

Location of Release Source

Latitude 32.792896 Longitude -104.288669
(NAD 83 in decimal degrees to 5 decimal places)

Site Name SANDY CROSSING 32 SC #1 BATTERY (Nearest well: Exxon 33 Fed Com #001)	Site Type PRODUCTION
Date Release Discovered 2/15/2021	API# (if applicable) 30-015-29021

Unit Letter	Section	Township	Range	County
E	33	17S	27E	EDDY

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1BBL	Volume Recovered (bbls) 1BBLs
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 39BBLs	Volume Recovered (bbls) 4BBLs
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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

3" VALVE OFF OF THE WATER TANK, FROZE AND BUSTED. RELEASING THE FLUID INSIDE THE UNLINED CONTAINMENT. SOME FLUID WENT OVER THE CONTAINMENT BERM ONTO THE LOCATION.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? MAJOR RELEASE DUE TO BEING OVER A 25BBL RELEASE
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? SPUR (KENNY KIDD) EMAILED THE OCD ON 2/16/21 AT 9:25AM. EMAIL WAS SENT TO VENEGAS, BRATCHER, GRISWALL, HAMLET	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>NATALIE GLADDEN</u> Title: <u>DIRECTOR OF ENVIRONMENTAL AND REGULATORY</u> Signature: <u></u> Date: <u>2/17/2021</u> email: <u>natalie@energystaffingllc.com</u> Telephone: <u>575-390-6397</u>
<u>OCD Only</u> Received by: _____ Date: _____



Appendix D:
NMOCD Notification
Photographic Documentation

Monday, February 5, 2024 at 09:56:33 Central Standard Time

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 307470
Date: Wednesday, January 24, 2024 at 4:21:45 PM Central Standard Time
From: OCDOnline@state.nm.us
To: chris@paragonenvironmental.net

To whom it may concern (c/o Chris Jones for Paragon Environmental LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2104839453.

The sampling event is expected to take place:

When: 01/29/2024 @ 08:30

Where: E-33-17S-27E 0 FNL 0 FEL (32.792896,-104.288669)

Additional Information: Jeremy Maner 575-602-4231

Additional Instructions: GPS 32.793222,-104.288754

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

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

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

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



Photographic Documentation

Before

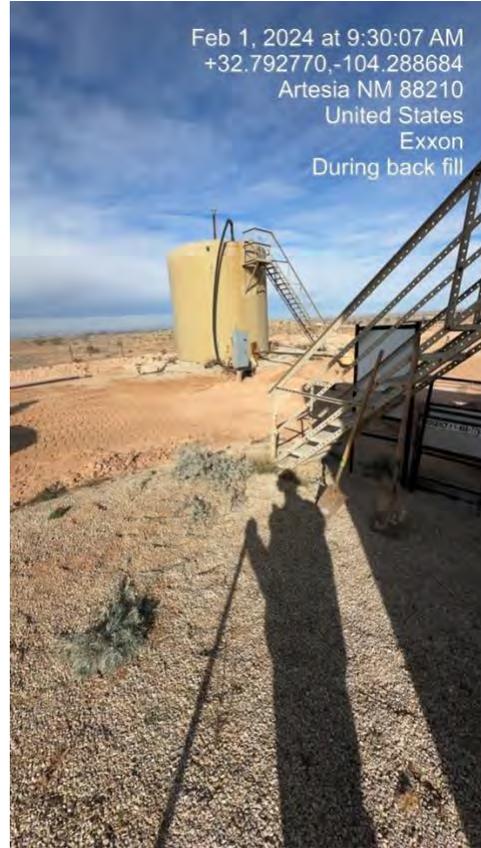




During



After





Appendix E:
Laboratory Results



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

December 16, 2022

CASON SPURLOCK
PARAGON ENVIROMENTAL
5002 CARRAIGE RD
HOBBS, NM 88242

RE: EXXON 33

Enclosed are the results of analyses for samples received by the laboratory on 12/13/22 16:46.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 1 0-6 (H225883-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	976	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.7 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 1 1 (H225883-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	880	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.4 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 1 2 (H225883-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	224	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 1 3 (H225883-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35		
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	464	16.0	12/15/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5		
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2		
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND						

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 1 4 (H225883-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	192	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 2 0-6 (H225883-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	80.0	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.9 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 2 1 (H225883-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	304	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 2 2 (H225883-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	896	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 2 3 (H225883-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	224	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 2 4 (H225883-10)

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	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	384	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 81.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 3 0-6 (H225883-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	288	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/13/2022
 Reported: 12/16/2022
 Project Name: EXXON 33
 Project Number: NOT GIVEN
 Project Location: SPUR - RURAL EDDY

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 1 (H225883-12)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	704	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.2 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 3 2 (H225883-13)

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	12/15/2022	ND	2.11	106	2.00	3.98		
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36		
Total BTEX	<0.300	0.300	12/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4760	16.0	12/15/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660		
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND						

Surrogate: 1-Chlorooctane 94.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 3 3 (H225883-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1580	16.0	12/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 3 4 (H225883-15)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	784	16.0	12/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.7 % 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: 12/13/2022
 Reported: 12/16/2022
 Project Name: EXXON 33
 Project Number: NOT GIVEN
 Project Location: SPUR - RURAL EDDY

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 0-6 (H225883-16)

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	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	17200	16.0	12/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.9 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 4 1 (H225883-17)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	15100	16.0	12/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 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: 12/13/2022
 Reported: 12/16/2022
 Project Name: EXXON 33
 Project Number: NOT GIVEN
 Project Location: SPUR - RURAL EDDY

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 2 (H225883-18)

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	12/15/2022	ND	2.11	106	2.00	3.98		
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	5040	16.0	12/15/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660		
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND						

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.5 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 4 3 (H225883-19)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98		
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1680	16.0	12/15/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660		
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND						

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 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:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	EXXON 33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 4 4 (H225883-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.98	
Toluene*	<0.050	0.050	12/15/2022	ND	2.11	106	2.00	3.13	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.09	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.50	108	6.00	5.36	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1090	16.0	12/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	209	105	200	0.660	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	200	100	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental
 Project Manager: Cason Spurlock
 Address: 5002 Carriage Rd
 City: Hobbs State: NM Zip: 88242
 Phone #: 575-631-6977 Fax #:
 Project #: Project Owner: Spur Energy
 Project Name: EXXON 33
 Project Location: Bysal Field
 Sampler Name: Paul D. Pans
 P.O. #:
 Company: Spur
 Attn:
 Address:
 City: State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV			
HA05883	5-1 0-6	4								12/12		Chilled BTEX TPH	
1	5-1 1												
2	5-1 2												
3	5-1 3												
4	5-1 4												
5	5-2 0-1												
6	5-2 1												
7	5-2 2												
8	5-2 3												
9	5-2 4												
10	5-2 4												

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Relinquished By: *Amal D. Pans* Date: *12/13/12* Received By: *Sheldineburg*
 Relinquished By: *Amal D. Pans* Date: *12/12* Received By: *Sheldineburg*

Delivered By: (Circle One) *1.41/C-0.00* Sample Condition: Intact Cool Yes No
 Sampler - UPS - Bus - Other: *0.82 #113* CHECKED BY: *SR*

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

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental
 Project Manager: Cason Spurlock
 P.O. #: **BILL TO**
 ANALYSIS REQUEST

Address: 5002 Carriage Rd
 City: Hobbs
 State: NM zip: 88242
 Company: **SPUR**

Phone #: 575-631-6977
 Fax #: **SPUR**
 Address:

Project #: **EXXON 33**
 Project Owner: **SPUR Energy**
 City: State: Zip:

Project Name: **EXXON 33**
 Project Location: **Raytal Eds**
 State: Zip:

Sampler Name: **Angie O. Pen**
 Phone #: Fax #:

FOR LAB USE ONLY
 Lab I.D. Sample I.D.
 (G)RAB OR (C)OMP.
 # CONTAINERS
 GROUNDWATER
 WASTEWATER
 SOIL
 OIL
 SLUDGE
 OTHER :
 ACID/BASE:
 ICE / COOL
 OTHER :

DATE TIME
 12/12

Chlorides
 TBH
 13TCX

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS REQUEST
H025883	S-3	SR	1				12/12		Chlorides
11	S-3	SR	1						TBH
12	S-3	SR	2						13TCX
13	S-3	SR	3						
14	S-3	SR	4						
15	S-4	SR	1						
16	S-4	SR	2						
17	S-4	SR	3						
18	S-4	SR	4						
19	S-4	SR	1						
20	S-4	SR	2						

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Relinquished By: **Angie O. Pen**
 Date: **12/12/10**
 Received By: **Spur Energy**
 Date: **12/12/10**
 Time: **10:10**

Delivered By: (Circle One) **UPS**
 Sample Condition: Intact
 Checked By: **SPUR**

Sampler - UPS - Bus - Other: **UPS**
 14 JCO-0-0-0
 0.8: #113
 Phone Result: Yes No
 Add'l Phone #:
 Fax Result: Yes No
 Add'l Fax #:
 REMARKS:

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



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

January 31, 2024

CASON SPURLOCK
PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS, NM 88240

RE: EXXON

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 16:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 1 2' (H240406-01)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.7	10.0	01/30/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 2 3' (H240406-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 3 3' (H240406-03)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 4 4.5' (H240406-04)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: NSW - 1 2' (H240406-05)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: NSW - 2 4.5' (H240406-06)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 1 2' (H240406-07)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	194	97.2	200	4.58	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	212	106	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 2 3' (H240406-08)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 3 4.5' (H240406-09)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 1 2' (H240406-10)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 2 3' (H240406-11)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 3 3' (H240406-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 4 4.5' (H240406-13)

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	01/30/2024	ND	2.41	120	2.00	2.12	
Toluene*	<0.050	0.050	01/30/2024	ND	2.34	117	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.44	122	2.00	2.92	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	7.32	122	6.00	3.60	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: WSW - 1 2' (H240406-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.01	100	2.00	11.3	
Toluene*	<0.050	0.050	01/30/2024	ND	2.06	103	2.00	13.4	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.17	109	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.59	110	6.00	13.9	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: WSW - 2 3' (H240406-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.01	100	2.00	11.3	
Toluene*	<0.050	0.050	01/30/2024	ND	2.06	103	2.00	13.4	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.17	109	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.59	110	6.00	13.9	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: WSW - 3 4.5' (H240406-16)

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	01/30/2024	ND	2.01	100	2.00	11.3	
Toluene*	<0.050	0.050	01/30/2024	ND	2.06	103	2.00	13.4	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.17	109	2.00	13.7	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.59	110	6.00	13.9	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/30/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	225	112	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	232	116	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental
Project Manager: Cason Spurlock

Address: 5002 Carriage Rd
City: Hobbs

Phone #: 575-631-6977

Project #:

Project Name: Exxon

Project Location: Eddy County
Severn, Warner

Sampler Name: Severn Warner

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Spur
Attn: Bradley Walker

Address:

City:

State: Zip:

Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TPH Ext	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:							
H240466	1	S.1	2'													
	2	S.2	3'													
	3	S.3	3'													
	4	S.4	4.5'													
	5	NSW.1	2'													
	6	NSW.2	4.5'													
	7	SSW.1	2'													
	8	SSW.2	3'													
	9	SSW.3	4.5'													
	10	ESW.1	2'													

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Relinquished By: [Signature]
Date: 01/24

Received By: [Signature]
Date: 01/24

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

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: #140

CHECKED BY: [Signature]
Sample Condition: Cool Intact Yes No
Phone Result: Yes No
Fax Result: Yes No
Add'l Phone #:
Add'l Fax #:
REMARKS:

Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2476
Email results to Chris Jones & Severn Warner
Push! added 1/30/24 @ 0958
4.5e



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

February 27, 2024

CASON SPURLOCK
PARAGON ENVIROMENTAL
1601 N TURNER ST., STE 500
HOBBS, NM 88240

RE: EXXON

Enclosed are the results of analyses for samples received by the laboratory on 02/21/24 17:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 5 0-6" (H240870-01)

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	02/24/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/24/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/26/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 62.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 6 0-6" (H240870-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/24/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/26/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 61.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 7 0-6" (H240870-03)

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	02/24/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/24/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/26/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 8 0-6" (H240870-04)

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	02/24/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/24/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/26/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 63.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 9 0-6" (H240870-05)

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	02/24/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/24/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/26/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: S - 10 0-6" (H240870-06)

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	02/24/2024	ND	2.17	108	2.00	3.39	
Toluene*	<0.050	0.050	02/24/2024	ND	2.10	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	2.13	106	2.00	12.2	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.29	105	6.00	12.7	
Total BTEX	<0.300	0.300	02/24/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/26/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 61.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: NSW - 3 0-6" (H240870-07)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/24/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/24/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/24/2024	ND					

Surrogate: 1-Chlorooctane 55.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.1 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: NSW - 4 0-6" (H240870-08)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: NSW - 5 0-6" (H240870-09)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 54.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 51.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 5 (H240870-10)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 6 0-6" (H240870-11)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 59.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: ESW - 7 0-6" (H240870-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 61.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 4 0-6" (H240870-13)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 5 0-6" (H240870-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 6 0-6" (H240870-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: SSW - 7 0-6" (H240870-16)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: WSW - 4 0-6" (H240870-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: WSW - 5 0-6" (H240870-18)

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	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/24/2024	ND	196	97.8	200	0.691	
DRO >C10-C28*	<10.0	10.0	02/24/2024	ND	196	98.2	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/24/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Analytical Results For:

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

Received:	02/21/2024	Sampling Date:	02/21/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	EXXON	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY		

Sample ID: WSW - 6 0-6" (H240870-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2024	ND	1.93	96.5	2.00	1.38	
Toluene*	<0.050	0.050	02/25/2024	ND	2.03	101	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/25/2024	ND	2.02	101	2.00	1.38	
Total Xylenes*	<0.150	0.150	02/25/2024	ND	6.14	102	6.00	1.26	
Total BTEX	<0.300	0.300	02/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/26/2024	ND	464	116	400	7.14	

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	02/23/2024	ND	194	96.8	200	0.356	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	208	104	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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

BILL TO

ANALYSIS REQUEST

Company Name: Paragon Environmental
 Project Manager: Cason Spurlock
 Address: 5002 Carriage Rd
 City: Hobbs State: NM zip: 88242
 Phone #: 575-631-6977 Fax #: _____
 Project #: _____ Project Owner: Spurlock
 Project Name: Eads
 Project Location: Eads
 Sampler Name: Victoria Moore
 FOR LAB USE ONLY

P.O. #: _____ Company: Spurlock
 Attn: Bradley Welden
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV	SAMPLING	DATE	TIME	TPH Ext.	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							
H240870	1	S-5	0.6														
	2	S-6	0.6														
	3	S-7	0.6														
	4	S-8	0.6														
	5	S-9	0.6														
	6	S-10	0.6														
	7	NSW-3	0.6														
	8	NSW-4	0.6														
	9	NSW-5	0.6														
	10	ESW-5															

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Relinquished By: *AR* Date: *01/21*
 Received By: *[Signature]* Date: *7/05*
 Delivered By: (Circle One) *#140*
 Sampler - UPS - Bus - Other: *-0.5°C*
 Sample Condition: Cool Intact
 Checked By: *[Signature]*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: *Email results to Chris Jones*

† Cardinal cannot accept verbal changes. Please fax written changes to 12721 249 2490



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental
Project Manager: Cason Spurlock
Address: 5002 Carriage Rd
City: Hobbs State: NM zip: 88242
Phone #: 575-631-6977 Fax #:
Project #: Project Owner: Spix
Project Name: Exxon
Project Location: Eddy
Sampler Name: Sherry Murray
FOR LAB USE ONLY

BILL TO
P.O. #:
Company: Spix
Attn: Bradley Miller
Address:
City: State: Zip:
Phone #: Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TPH Ext	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H240870	11 ESU-6 0-6"										02/21					
	12 ESU-7 0-6"															
	13 SSU-4 0-6"															
	14 SSU-5 0-6"															
	15 SSU-6 0-6"															
	16 SSU-9 0-6"															
	17 WSU-4 0-6"															
	18 WSU-5 0-6"															
	19 WSU-6 0-6"															

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Relinquished By: [Signature] Date: 2/21/21
Received By: [Signature] Date: 7/05/21
Time: [Blank] Time: [Blank]

Delivered By: (Circle One) #140
Sampler - UPS - Bus - Other: -0.5c
Sample Condition: Cool Intact Yes Yes No No
Checked By: [Signature] (Initials) [Signature]
REMARKS: Email results to Chris Jones

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393.2126

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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 321218

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2104839453
Incident Name	NAPP2104839453 SANDY CROSSING 32 SC #1 BATTERY @ 30-015-29021
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-29021] EXXON 33 FEDERAL COM #001

Location of Release Source

Please answer all the questions in this group.

Site Name	SANDY CROSSING 32 SC #1 BATTERY
Date Release Discovered	02/15/2021
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Freeze Valve Crude Oil Released: 1 BBL Recovered: 1 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Freeze Valve Produced Water Released: 39 BBL Recovered: 4 BBL Lost: 35 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 321218

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 03/07/2024
--	--

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QUESTIONS, Page 3

Action 321218

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	576
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	11.7
GRO+DRO (EPA SW-846 Method 8015M)	11.7
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/23/2024
On what date will (or did) the final sampling or liner inspection occur	02/21/2024
On what date will (or was) the remediation complete(d)	02/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	70

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

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

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District III
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 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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QUESTIONS, Page 4

Action 321218

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 03/07/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 321218

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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QUESTIONS, Page 6

Action 321218

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	314321
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2024
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	1070

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1600
What was the total volume (cubic yards) remediated	65
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	n/a

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 03/07/2024
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QUESTIONS, Page 7

Action 321218

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 321218

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 321218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	4/24/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/24/2024