

Spill Volume(Bbls) Calculator*Inputs in blue, Outputs in red*

Length(Ft)	Width(Ft)	Depth(In)
<u>100.000</u>	<u>10.000</u>	<u>2.000</u>
Cubic Feet Impacted		<u>166.667</u>
Barrels		<u>29.68</u>
Soil Type		Lined Containment
Bbls Assuming 100% Saturation		<u>29.68</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		29.70000

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)	100
Width (ft)	10
Depth (in)	2



June 4, 2024

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, and Closure Request
Moore State Tank Battery
API No. N/A
GPS: Latitude 32.79191 Longitude -104.15668
UL "H", Sec. 34, T17S, R28E
Eddy County, NM
NMOCD Ref. No. nAPP2333952697

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

Release Details			
Type of Release:	Produced Water	Volume of Release:	30 bbls
		Volume Recovered:	28 bbls
Source of Release:	Circulating Line	Date of Release:	12/05/23
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	NMOCD Portal
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	State	Mineral Owner:	State
The circulating line developed a pinhole due to internal corrosion, releasing produced water into the unlined containment.			

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

REGULATORY FRAMEWORK & SITE CHARACTERIZATION

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

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

Depth to groundwater information is provided in Appendix A.

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

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

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Ogallala Formation (Lower Pliocene to middle Miocene)- Alluvial and eolian deposits, and petrocalcic southern High Plains. Locally includes Qoa (To). The soil in this area is made up of Kimbrough-Stegall loams, 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.

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

INITIAL SITE ASSESSMENT

On December 22, 2023, Paragon conducted an initial site assessment. During the initial site assessment, it was determined to gather samples in the stained battery that resulted from line failure. Five (5) soil samples were collected in this area in an effort to determine the vertical extent of soil impact. An additional Five (5) horizontal samples were taken to determine the horizontal extent of this spill. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A table summarizing laboratory analytical results from soil samples collected during the above-stated activities is provided below:

12-22-23 Laboratory Results

NMOC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 12/22/23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRD	MRO	Total TPH	CHLORIDES
S-1	0-6"	652	35.6	7120	12100	1550	20770	128
S-2	0-6"	1110	91.9	9910	15000	2120	27030	32
S-3	0-6"	1230	117	8730	12400	1580	22710	32
S-4	0-6"	1360	167	13600	20200	2830	36630	16
S-5	0-6"	1060	111	17800	25700	3940	47440	96
HZ-1	0-6"	ND	ND	ND	ND	ND	ND	16
HZ-2	0-6"	ND	ND	ND	ND	ND	ND	48
HZ-3	0-6"	ND	ND	ND	ND	ND	ND	96
HZ-4	0-6"	ND	ND	ND	ND	ND	ND	16
HZ-5	0-6"	ND	ND	ND	ND	ND	ND	ND

(ND) Analyte Not Detected

Laboratory data is attached in Appendix D

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

On April 14, 2024, Paragon mobilized personnel and heavy equipment to conduct remedial activities. Based on the site characteristics and field observations made during the site assessment, the following details the remedial activities we conducted to advance the Release Site toward an NMOCD-approved site closure.

- In the area of S-1, we excavated to a depth of 2 feet BGS. This area covered approximately 185 S/F. We removed app. 13 C/Y.
- In the areas of S-2 and S-4, we excavated to a depth of 5 feet BGS. These two areas covered 1150 S/F. We removed app. 213 C/Y of material here.
- In the area of S-3, we excavated to a depth of 3 feet BGS. This area covered 260 S/F. We removed app. 28 C/Y of material from this area.
- In the area of S-5, we excavated to a depth of 4 feet BGS. This area measured 490 S/F. We removed app. 72 C/Y of material from this area.

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

4-29-24 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 4/29/24	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 500 mg/kg
Sample ID	BTEX	Benzene	GRQ	DRO	MRO	Total TPH	CHLORIDES
S - 1 2'	ND	ND	ND	ND	ND	0	16
S - 2 5'	ND	ND	ND	ND	ND	0	16
S - 3 5'	ND	ND	ND	ND	ND	0	16
S - 4 5'	ND	ND	ND	ND	ND	0	16
S - 5 5'	ND	ND	ND	ND	ND	0	288
S - 6 5'	ND	ND	ND	10.3	ND	10.3	ND
S - 7 5'	ND	ND	ND	ND	ND	0	ND
S - 8 3'	ND	ND	ND	12.5	ND	12.5	16
S - 9 4'	ND	ND	ND	ND	ND	0	256
S - 10 4'	ND	ND	ND	12.9	ND	12.9	ND
ESW - 1 2'	ND	ND	ND	ND	ND	0	240
NSW - 1 2'	ND	ND	ND	ND	ND	0	288
SSW 1 - 2'	ND	ND	ND	32.1	ND	32.1	ND
SSW 2 - 3'	ND	ND	ND	ND	ND	0	ND
NSW - 2 4'	ND	ND	ND	ND	ND	0	32
SSW - 3 4'	ND	ND	ND	ND	ND	0	240
WSW - 1 4'	ND	ND	ND	29.9	ND	29.9	32
ESW - 2 5'	ND	ND	ND	11.5	ND	11.5	48
ESW - 3 5'	ND	ND	ND	ND	ND	0	32
NSW - 3 5'	ND	ND	ND	ND	ND	0	16
NSW - 4 5'	ND	ND	ND	ND	ND	0	48
SSW - 4 5'	ND	ND	ND	ND	ND	0	256
SSW - 5 5'	ND	ND	ND	ND	ND	0	48
SSW - 6 5'	ND	ND	ND	ND	ND	0	16
WSW - 2 5'	ND	ND	ND	ND	ND	0	16
WSW - 3 5'	ND	ND	ND	ND	ND	0	224

(ND) Analyte Not Detected

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

CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2333952697, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)318-6841 or email at tristan@paragonenvironmental.net.

Respectfully,



Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

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

Appendices:

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



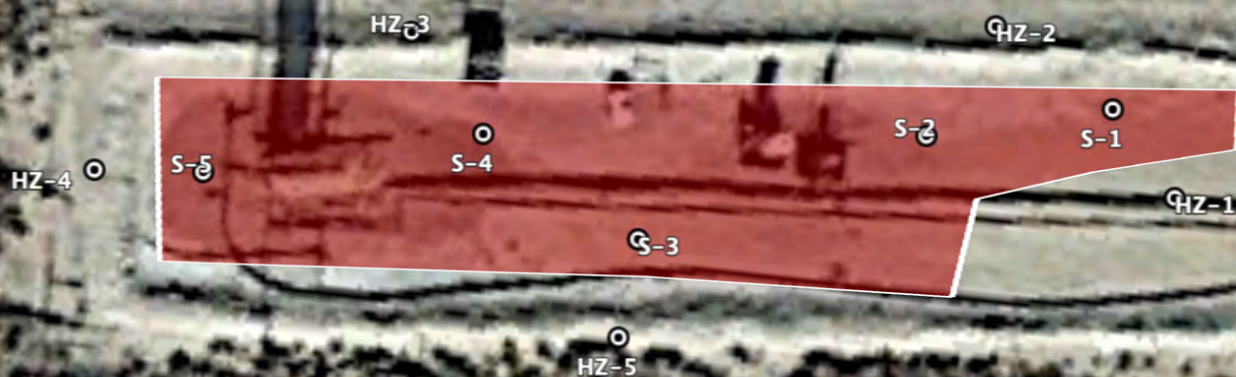
Figures:

- 1- Site Map
- 2- Topo Map
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- 5- Confirmation Map

Spur Energy Partners

Moore St TK Battery
Eddy County, NM
Site Map

Moore St TB 32.7919,-104.1566

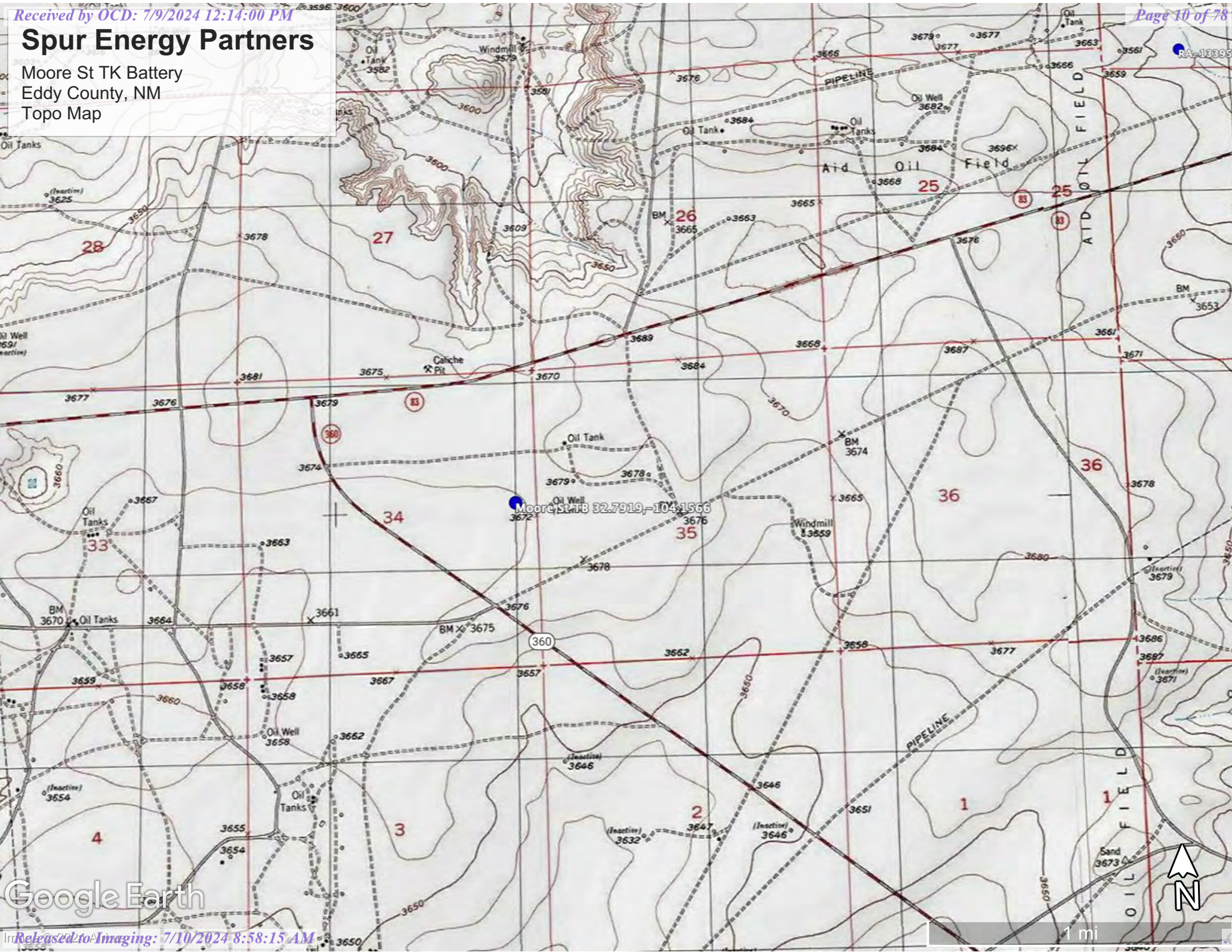


60 ft

Spur Energy Partners

Moore St TK Battery
Eddy County, NM
Topo Map

RA-18896



Google Earth

Spur Energy Partners

Moore St TK Battery
Eddy County, NM
Karst Map

Legend

- High
- Low
- Medium

RA-13395 POD 1 (TW

Moore St TB 32.7919,-104.1566

360



2 mi

Google Earth

Spur Energy Partners

Moore St TK Battery
Eddy County, NM
Aerial Map

Moore St TB 32:7919.-104:1566

360



3000 ft

Google Earth

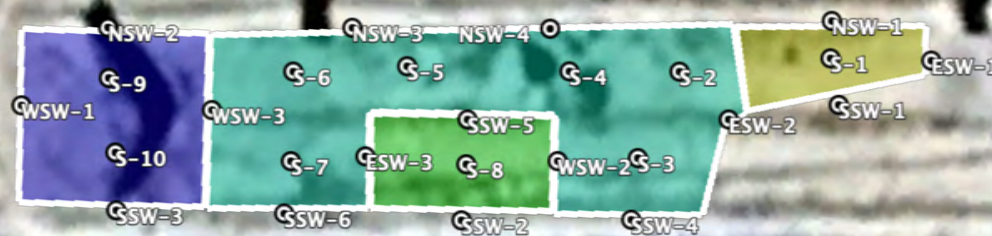
Spur Energy Partners

Moore State Tank Battery
Eddy County, NM
Confirmation Map

Legend

- 2' Excavation 185 S/F
- 3' Excavation 260 S/F
- 4' Excavation 490 S/F
- 5' Excavation 1150 S/F
- Samples

Moore St TB 32.7919,-104.1566



Google Earth



80 ft



Appendix A
Referenced Water Data:

New Mexico State of Engineers Office



New Mexico Office of the State Engineer

Water Column/Average Depth to Water


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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 11857 POD1		RA	ED	1	1	2	05	18S	26E	577784	3625988		2839	235	95 140
													Average Depth to Water:		95 feet
													Minimum Depth:		95 feet
													Maximum Depth:		95 feet

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 578975.218

Northing (Y): 3628566

Radius: 3000

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



Appendix B
Soil Survey:

U.S.D.A.

FEMA Flood Map

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4t

Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 70 percent

Stegall and similar soils: 25 percent

Minor components: 5 percent

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

Description of Kimbrough

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 3 inches: loam

H2 - 3 to 9 inches: loam

H3 - 9 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very 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: 15 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Description of Stegall

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

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

Minor Components

Simona

Percent of map unit: 5 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

National Flood Hazard Layer FIRMette



104°9'43"W 32°47'46"N



1:6,000

104°9'5"W 32°47'16"N

Released to Imaging: 7/10/2024 8:38:15 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/5/2024 at 3:30 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:

NMOCD Notification

Photographic Documentation



OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	337631	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , MOORE STATE TANK BATTERY , nAPP2333952697		
Status:	APPROVED		
Status Date:	04/25/2024		
References (1):	nAPP2333952697		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2333952697
Incident Name	NAPP2333952697 MOORE STATE TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	MOORE STATE TANK BATTERY
Date Release Discovered	12/05/2023
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,085
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2024
Time sampling will commence	12:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Jeremy Maner 575-602-4231
Please provide any information necessary for navigation to sampling site	32.7919,-104.1566

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary:	apena (4/25/2024), 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.
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Reasons

No reasons found for this submission.

Go Back

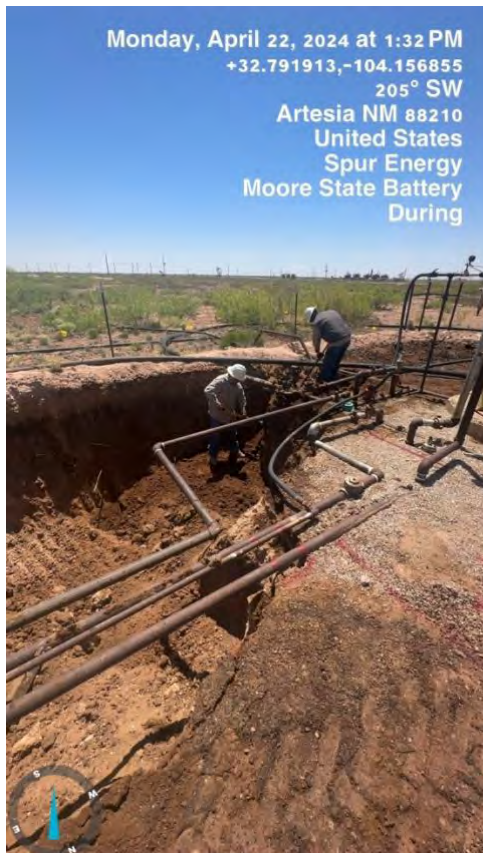
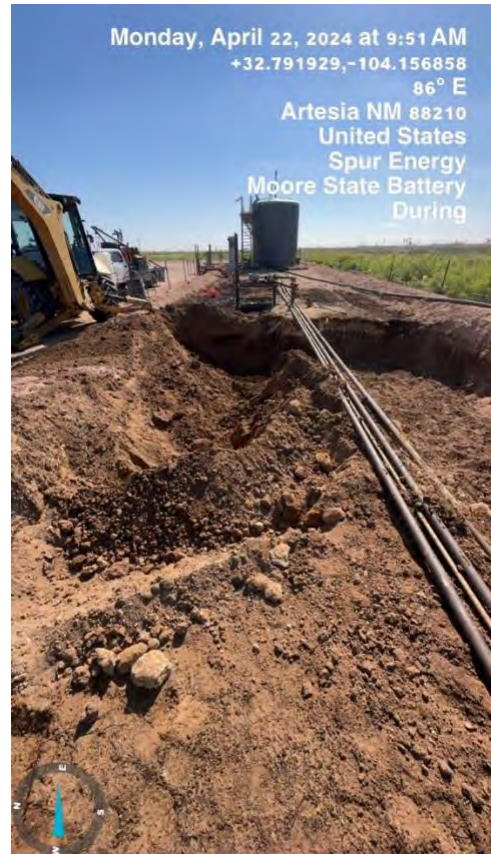


**Photographic Documentation
Before**





During



Completed





Appendix D:
Laboratory Results



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

December 29, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MOORE STATE TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/22/23 12:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: S - 1 0-6" (H236825-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	35.6	10.0	12/27/2023	ND	2.41	120	2.00	6.68	QM-07, QR-03
Toluene*	234	10.0	12/27/2023	ND	2.35	118	2.00	9.94	QM-07, QR-03
Ethylbenzene*	162	10.0	12/27/2023	ND	2.41	121	2.00	10.0	QM-07, QR-03
Total Xylenes*	221	30.0	12/27/2023	ND	7.21	120	6.00	10.3	QM-07, QR-03
Total BTX	652	60.0	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	7120	100	12/27/2023	ND	232	116	200	8.49		
DRO >C10-C28*	12100	100	12/27/2023	ND	226	113	200	6.61		
EXT DRO >C28-C36	1550	100	12/27/2023	ND						

Surrogate: 1-Chlorooctane 188 % 48.2-134

Surrogate: 1-Chlorooctadecane 242 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: S - 2 0-6" (H236825-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	91.9	10.0	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	411	10.0	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	285	10.0	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	323	30.0	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	1110	60.0	12/27/2023	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	32.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	9910	100	12/27/2023	ND	232	116	200	8.49		
DRO >C10-C28*	15000	100	12/27/2023	ND	226	113	200	6.61		
EXT DRO >C28-C36	2120	100	12/27/2023	ND						

Surrogate: 1-Chlorooctane 367 % 48.2-134

Surrogate: 1-Chlorooctadecane 291 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: S - 3 0-6" (H236825-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	117	10.0	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	457	10.0	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	308	10.0	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	344	30.0	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	1230	60.0	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	32.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8730	100	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	12400	100	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	1580	100	12/27/2023	ND					

Surrogate: 1-Chlorooctane 318 % 48.2-134

Surrogate: 1-Chlorooctadecane 246 % 49.1-148

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Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: S - 4 0-6" (H236825-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	167	10.0	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	512	10.0	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	317	10.0	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	367	30.0	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	1360	60.0	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	16.0	16.0	12/28/2023	ND	416	104	400	8.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13600	100	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	20200	100	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	2830	100	12/27/2023	ND					

Surrogate: 1-Chlorooctane 573 % 48.2-134

Surrogate: 1-Chlorooctadecane 389 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: S - 5 0-6" (H236825-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	111	10.0	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	391	10.0	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	259	10.0	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	294	30.0	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	1060	60.0	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	96.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17800	100	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	25700	100	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	3940	100	12/27/2023	ND					

Surrogate: 1-Chlorooctane 748 % 48.2-134

Surrogate: 1-Chlorooctadecane 473 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: HZ - 1 SURFACE (H236825-06)

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	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	<0.050	0.050	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	<0.300	0.300	12/27/2023	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	16.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	8.49	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: HZ - 2 SURFACE (H236825-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	<0.050	0.050	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: HZ - 3 SURFACE (H236825-08)

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	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	<0.050	0.050	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	96.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/22/2023
Reported: 12/29/2023
Project Name: MOORE STATE TANK BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 12/22/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: HZ - 4 SURFACE (H236825-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	<0.050	0.050	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	<0.300	0.300	12/27/2023	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	16.0	16.0	12/28/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/22/2023	Sampling Date:	12/22/2023
Reported:	12/29/2023	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shari Cisneros
Project Location:	SPUR - EDDY		

Sample ID: HZ - 5 SURFACE (H236825-10)

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	12/27/2023	ND	2.41	120	2.00	6.68	
Toluene*	<0.050	0.050	12/27/2023	ND	2.35	118	2.00	9.94	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.41	121	2.00	10.0	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	7.21	120	6.00	10.3	
Total BTEX	<0.300	0.300	12/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/28/2023	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2023	ND	232	116	200	8.49	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	226	113	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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



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

May 03, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: MOORE STATE TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/29/24 14:28.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2024
Reported: 05/03/2024
Project Name: MOORE STATE TANK BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/29/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 2' (H242271-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 2 5' (H242271-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTEX	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 3 5' (H242271-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48		
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98		
Total BTEX	<0.300	0.300	05/01/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 4 5' (H242271-04)

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	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTEX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 5 5' (H242271-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/02/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 6 5' (H242271-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48		
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98		
Total BTEx	<0.300	0.300	05/01/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	10.3	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 7 5' (H242271-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48		
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98		
Total BTEX	<0.300	0.300	05/01/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	210	105	200	1.39	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	223	111	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 8 3' (H242271-08)

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	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTEx	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	12.5	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 9 4' (H242271-09)

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	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTEX	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/02/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: S - 10 4' (H242271-10)

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	05/01/2024	ND	2.13	107	2.00	6.48		
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98		
Total BTEX	<0.300	0.300	05/01/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	12.9	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 1 2' (H242271-11)

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	05/01/2024	ND	2.13	107	2.00	6.48		
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98		
Total BTEx	<0.300	0.300	05/01/2024	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	288	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 2 4' (H242271-12)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTX	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 3 5' (H242271-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: NSW - 4 5' (H242271-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTX	<0.300	0.300	05/01/2024	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	48.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: ESW - 1 2' (H242271-15)

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	05/01/2024	ND	2.13	107	2.00	6.48		
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98		
Total BTEx	<0.300	0.300	05/01/2024	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	240	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: ESW - 2 5' (H242271-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTEX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	11.5	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2024
Reported: 05/03/2024
Project Name: MOORE STATE TANK BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/29/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ESW - 3 5' (H242271-17)

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	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTEX	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW 1 - 2' (H242271-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	2.13	107	2.00	6.48	
Toluene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.04	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	2.17	109	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	6.60	110	6.00	4.98	
Total BTX	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	32.1	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW 2 - 3' (H242271-19)

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	05/01/2024	ND	1.92	95.8	2.00	1.03		
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53		
Total BTEx	<0.300	0.300	05/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	<16.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2024
Reported: 05/03/2024
Project Name: MOORE STATE TANK BATTERY
Project Number: NOT GIVEN
Project Location: SPUR - EDDY

Sampling Date: 04/29/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SSW - 3 4' (H242271-20)

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	05/01/2024	ND	1.92	95.8	2.00	1.03	
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53	
Total BTEX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 4 5' (H242271-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	1.92	95.8	2.00	1.03	
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53	
Total BTEX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 5 5' (H242271-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2024	ND	1.92	95.8	2.00	1.03		
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758		
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966		
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53		
Total BTEX	<0.300	0.300	05/01/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: SSW - 6 5' (H242271-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	1.92	95.8	2.00	1.03	
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53	
Total BTEX	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: WSW - 1 4' (H242271-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	1.92	95.8	2.00	1.03	
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53	
Total BTEX	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	32.0	16.0	05/01/2024	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	04/30/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	29.9	10.0	04/30/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: WSW - 2 5' (H242271-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	1.92	95.8	2.00	1.03	
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53	
Total BTEx	<0.300	0.300	05/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	16.0	16.0	05/01/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/01/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/01/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 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
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2024	Sampling Date:	04/29/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	MOORE STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY		

Sample ID: WSW - 3 5' (H242271-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2024	ND	1.92	95.8	2.00	1.03	
Toluene*	<0.050	0.050	05/01/2024	ND	1.96	98.0	2.00	0.758	
Ethylbenzene*	<0.050	0.050	05/01/2024	ND	1.98	99.2	2.00	0.966	
Total Xylenes*	<0.150	0.150	05/01/2024	ND	5.82	97.0	6.00	1.53	
Total BTEx	<0.300	0.300	05/01/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/01/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/01/2024	ND	190	94.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/01/2024	ND	198	99.0	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/01/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO										ANALYSIS REQUEST											
Project Manager: Chris Jones																									
Address: 1601 N. Turner St., Ste 500																									
City: Hobbs		State: NM Zip: 88240		Company: Spur																					
Phone #: 575-964-7814		Fax #:		Attn: Bradley Wolder																					
Project #:		Project Owner: Spur		Address:																					
Project Name: Moore State Battery		City:		State:																					
Project Location: Eddy		Phone #:		Zip:																					
Sampler Name: Beverly Warner		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING													
								GROUNDWATER																	
								WASTEWATER																	
								SOIL																	
								OIL																	
								SLUDGE																	
								OTHER :																	
								ACID/BASE:																	
								ICE / COOL																	
								OTHER :																	
H242271		5.1 2'		C								DATE		TIME		TPH Ext.									
1		5.2 5'														BTEX									
2		5.3 5'														Chlorides									
3		5.4 5'																							
4		5.5 5'																							
5		5.6 5'																							
6		5.7 5'																							
7		5.8 3'																							
8		5.9 4'																							
9		5.10 4'																							
10																									
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Relinquished By: [Signature]		Date: 04/24		Received By: [Signature]		Date: 04/24		Time: 1428		Sample Condition		CHECKED BY: (Initials)		REMARKS: Email results to Chris Jones											
Relinquished By: [Signature]		Date: 04-29-24		Received By: [Signature]		Date: 04-29-24		Time: 1428		Sample Condition		CHECKED BY: (Initials)													
Delivered By: (Circle One) 2. UPS		Time: 1428		Sample Condition		CHECKED BY: (Initials)																			
Sampler - UPS - Bus - Other: 140				Cool Intact																					
				Yes No																					
				Yes No																					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO											
Project Manager: Chris Jones		Company: Spar		ANALYSIS REQUEST											
Address: 1601 N. Turner St., Ste 500		Attn: Bradley Wolden													
City: Hobbs		Address:													
Phone #: 575-964-7814		City:													
Fax #: 575-964-7814		State:													
Project #:		Zip:													
Project Name: Moore State Battery		Phone #:													
Project Location: Eddy		Fax #:													
Sample Name: Sewerly Manor															
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING			
11 NSW. 1 2															
12 NSW. 2 4															
13 NSW. 3 5															
14 NSW. 4 5															
15 ESW. 1 2															
16 ESW. 2 5															
17 ESW. 3 5															
18 SSW. 1 2															
19 SSW. 2 3															
20 SSW. 3 4															
DATE		TIME		DATE		TIME		TPH Ext.		BTEX		Chlorides			
04/24				04/24											
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Relinquished By: <i>PCW</i>		Date: 04/24		Time: 1428		Received By: <i>ADP</i>		Date: 04/24		Time: 1428		REMARKS: Email results to Chris Jones			
Delivered By: (Circle One) <i>2600</i>		Sample Condition		Cool Intact		Checked By: <i>ADP</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Sampler - UPS - Bus - Other: <i>140</i>		Sample Condition		Cool Intact		Checked By: <i>ADP</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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[illegible]

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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 362240

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	362240
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333952697
Incident Name	NAPP2333952697 MOORE STATE TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	MOORE STATE TANK BATTERY
Date Release Discovered	12/05/2023
Surface Owner	State

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	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 30 BBL Recovered: 28 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	CIRCULATING LINE DEVELOPED A PINHOLE FROM CORROSION RELEASING PRODUCED WATER INTO UNLINED CONTAINMENT

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QUESTIONS, Page 2

Action 362240

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 362240
	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.
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.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 07/09/2024
--	--

District I

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QUESTIONS, Page 3

Action 362240

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	362240
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

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

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

Remediation Plan

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	288
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	47440
GRO+DRO	(EPA SW-846 Method 8015M)	43500
BTEX	(EPA SW-846 Method 8021B or 8260B)	1360
Benzene	(EPA SW-846 Method 8021B or 8260B)	167

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

On what estimated date will the remediation commence	04/14/2024
On what date will (or did) the final sampling or liner inspection occur	04/29/2024
On what date will (or was) the remediation complete(d)	04/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	2085
What is the estimated volume (in cubic yards) that will be reclaimed	326
What is the estimated surface area (in square feet) that will be remediated	2085
What is the estimated volume (in cubic yards) that will be remediated	326

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.

District I

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QUESTIONS, Page 4

Action 362240

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	362240
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 07/09/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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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 362240

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	362240
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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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

District IV

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QUESTIONS, Page 6

Action 362240

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	362240
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	337631
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2024
What was the (estimated) number of samples that were to be gathered	27
What was the sampling surface area in square feet	2085

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2085
What was the total volume (cubic yards) remediated	326
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	2085
What was the total volume (in cubic yards) reclaimed	326
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: 07/09/2024
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QUESTIONS, Page 7

Action 362240

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 362240
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 362240

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 362240
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2333952697 MOORE STATE TANK BATTERY, thank you. This Remediation Closure Report is approved.	7/10/2024