Spill Volume(Bbls) Calculator *Inputs in blue, Outputs in red*		
Length(Ft)	Width(Ft)	Depth(In)
40.000	20.000	0.000
Cubic Feet Impacted		0.000
Barrels		0.00
Soil Type		Lined Containment
Bbls Assuming 100% Saturation		0.00
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		0.00000

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

Measurements	
	THE FIRE CONSUMED THE LIQUID.
Length (ft)	40
Width (ft)	20
Depth (in)	0.000

Remediation Summary and Closure Request

Spur Energy Partners, LLC
Halberd A State 27
Eddy County, New Mexico
Unit Letter "D", Section 26, Township 17 South, Range 28 East
Latitude 32.810886 North, Longitude 104.155008 West
NMOCD Incident # nAPP2220566580

Prepared For:

Spur Energy Partners, LLC
2407 Pecos Avenue
Artesia, NM 88210

Prepared By:

Hungry Horse, LLC
4024 Plains Hwy
Lovington, NM 88260
Office: (575) 393-3386

June 2024

Bradley Wells
Project Manager
bwells@hungry-horse.com

Daniel Dominguez
Environmental Manager
ddominguez@hungry-horse.com

Table Of Contents

Background	1
NMOCD Site Classification	1
Delineation and Remediation Activities	2
Restoration, Reclamation, and Re-Vegetation	2
Closure Request	2
Limitations	2
Distribution	3

Figures

Figure 1 – Topographic Map
Figure 2 – OSE POD Locations Map
Figure 3 – USGS Well Locations Map
Figure 4 – Closure Sample Map

Tables

Table 1 – Summary of Soil Sample Laboratory Analytical Results

Attachments

Attachment I – Karst, Wetland, and Soil Maps
Attachment II – NMOCD Correspondence
Attachment III – Site Photographs
Attachment IV – Depth to Groundwater
Attachment V – Field Data
Attachment VI – Laboratory Analytical Reports

HUNGRY HORSE, LLC

The following *Remediation Summary and Closure Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter D (NW/NW), Section 26, Township 17 South, Range 28 East, approximately twelve miles West of Loco Hills, in Eddy County, New Mexico. The site is located on New Mexico State Trust land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The reportable event occurred on an active well pad; Latitude 32.810886 North, Longitude 104.155008 West. The Notification of Release indicates that on July 23, 2022, during frac operations a fuel line broke spraying diesel fuel on a turbo causing the pump to catch fire, spreading to the other vehicles. An unknown amount of fluid was released; however, all fluid was consumed by the fire. Previously submitted pages of the NMOCD Notice of Release Form are available on the NMOCD Imaging System.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is located in a Gypsum Karst designated area. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

Four USGS water wells were located within a half mile of the release area. However, as the site is located in a Gypsum Karst designated area, the site was remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
<50’	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of reclamation. Based on the Web Soil Survey the area is located in the Largo-Stony land complex comprised of loam soils with 0 to 25 percent slopes. As the release occurred on an active well pad, no seeding will be required. Karst, Wetland, and Soil Maps are provided as Attachment I.

Delineation and Remediation Activities:

On May 30, 2024, Hungry Horse conducted an initial site assessment consisting of mapping and photographing the release area. On June 21, 2024, Hungry Horse LLC notified NMOCD that closure samples would be collected on June 26, 2024. Correspondence is provided as Attachment II.

On June 26, 2024, thirty-three composite confirmation soil samples were collected from the affected, with each sample representing no more than 200 square feet. Soil samples FL1 through FL18 and SW1 through SW15, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The affected area measured approximately three thousand six hundred square feet. As all released fluids were consumed by the fire, no excavation activities were required.

A Closure Sample Map is provided as Figure 4. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

Restoration, Reclamation, and Re-Vegetation:

As the fire consumed all released fluids, and based upon laboratory analytical results from composite confirmation soil samples, no excavation of the affected area was required.

Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results, Spur Energy Partners, LLC respectfully requests closure of the Halberd A State 27 location, nAPP2220566580.

Limitations:

Hungry Horse, LLC, has prepared this *Remediation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

Distribution:

Spur Energy Partners, LLC
2407 Pecos Avenue
Artesia, NM 88210

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First St.
Artesia, NM 88210

New Mexico State Land Office
914 N. Linam St.
Hobbs, NM 88240

Figures

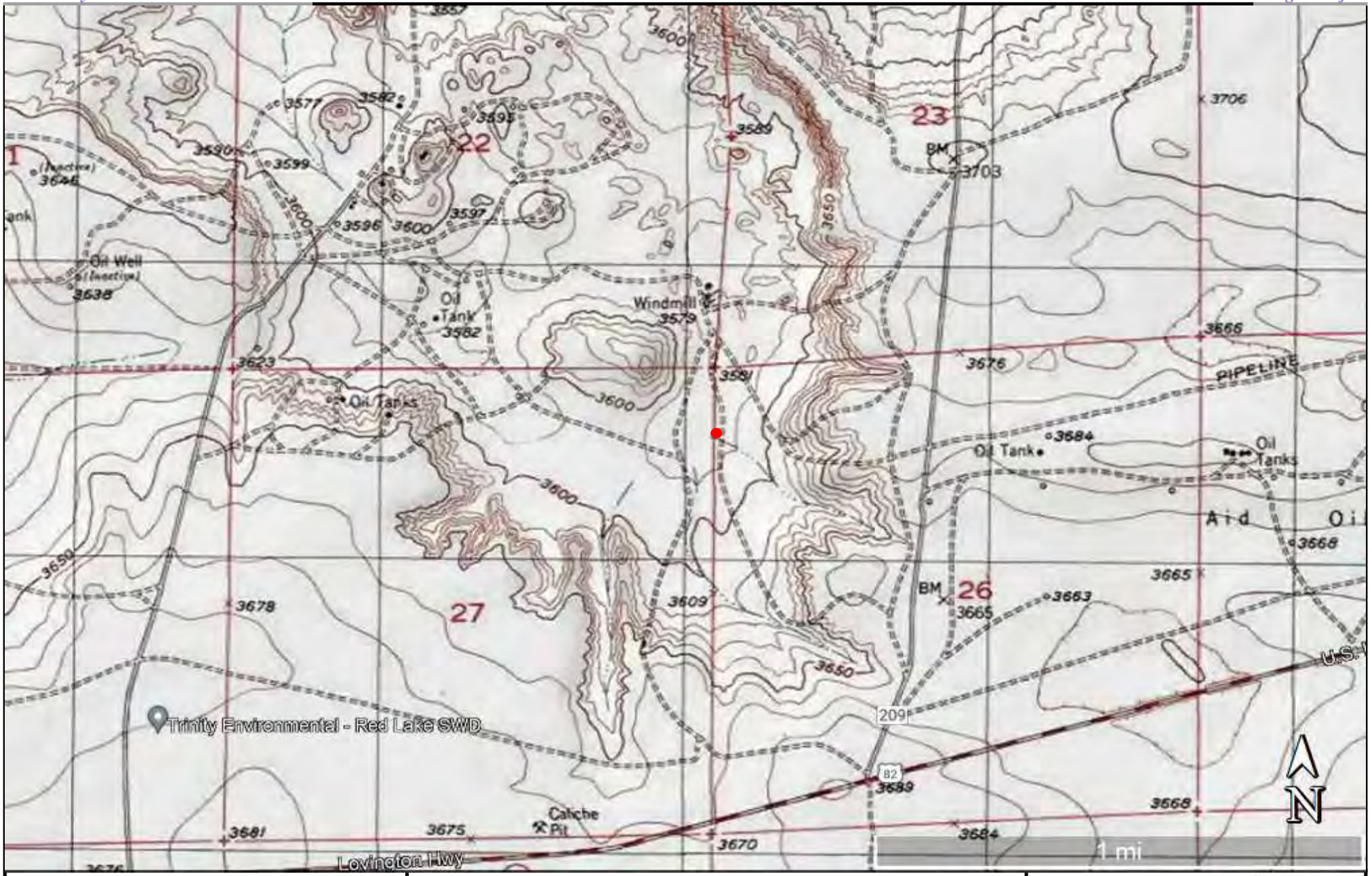


Figure 1
Topographic Map
Spur Energy Partners, LLC
Halberd A State 27
GPS: 32.810886, -104.155008
Eddy County

Legend:
- Halberd A State 27 Location

Drafted: dd
Checked: bw
Date: 6/17/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 2

OSE POD Locations Map

Spur Energy Partners, LLC

Halberd A State 27

GPS: 32.810886, -104.155008

Eddy County

Legend:

- Halberd A State 27 Location
- Pending OSE Water Well

OSE POD Locations (state.nm.us)

Drafted: dd

Checked: bw

Date: 6/17/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 3
USGS Well Locations Map
Spur Energy Partners, LLC
Halberd A State 27
GPS: 32.810886, -104.155008
Eddy County

Legend:
- Halberd A State 27 Location
- USGS Well Location

Water Resources of the United States—National Water Information System (NWIS) Mapper (usgs.gov)

Drafted: dd
Checked: bw
Date: 6/17/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Figure 4
Closure Sample Map
Spur Energy Partners, LLC
Halberd A State 27
GPS: 32.810886, -104.155008
Eddy County

Legend:
- Release Area
- FL1 — Composite Confirmation Sample Location

Drafted: dd
Checked: bw
Date: 6/17/24

HUNGRY HORSE ENVIRONMENTAL & CONSTRUCTION

Table

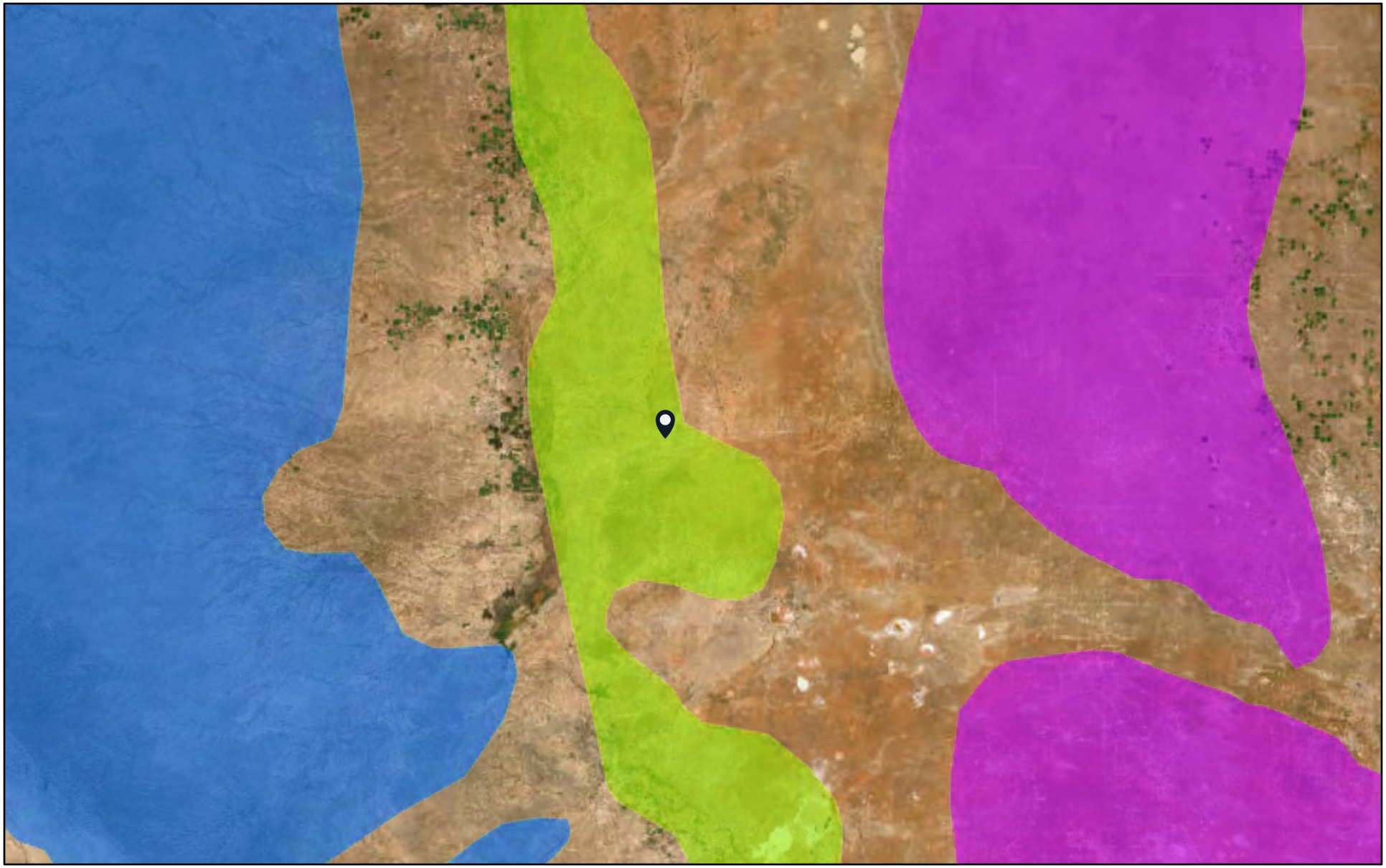
TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Spur Energy Partners, LLC
Halberd A State 27
NMOCD Ref. #: nAPP2220566580

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
FL1	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	80.8
FL2	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	101
FL3	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	85.6
FL4	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	97.2
FL5	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	94.0
FL6	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	89.8
FL7	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	96.5
FL8	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	108
FL9	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	90.7
FL10	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	81.7
FL11	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	115
FL12	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	112
FL13	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	111
FL14	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	60.6
FL15	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	96.3
FL16	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	73.8
FL17	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	80.9
FL18	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	67.4
SW1	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	65.2
SW2	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	86.8
SW3	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	85.4
SW4	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	90.5
SW5	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	52.0
SW6	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	68.1
SW7	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	59.5
SW8	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	39.9
SW9	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	35.4
SW10	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	49.4
SW11	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	66.0
SW12	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	60.4
SW13	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	42.6
SW14	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	59.4
SW15	6/26/24	0.5	In-Situ	ND	ND	ND	ND	ND	ND	ND	67.1
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**NA**	**-**	**100**	**600**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I
Karst, Wetland, and Soil Maps

Halberd A State 27



6/26/2024

Karst Type

- Carbonate
- Erosional
- Gypsum
- Volcanic

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

150m Resolution Metadata

1:876,317

0 5 10 20 mi

0 10 20 40 km

U.S. Geological Survey Open-File Report 2004-1352, Caves and Karst in the U.S. National Park Service, AGI Karst Map of the US., Earthstar Geographics

U.S. Fish and Wildlife Service
National Wetlands Inventory

Halberd A State 27

June 26, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

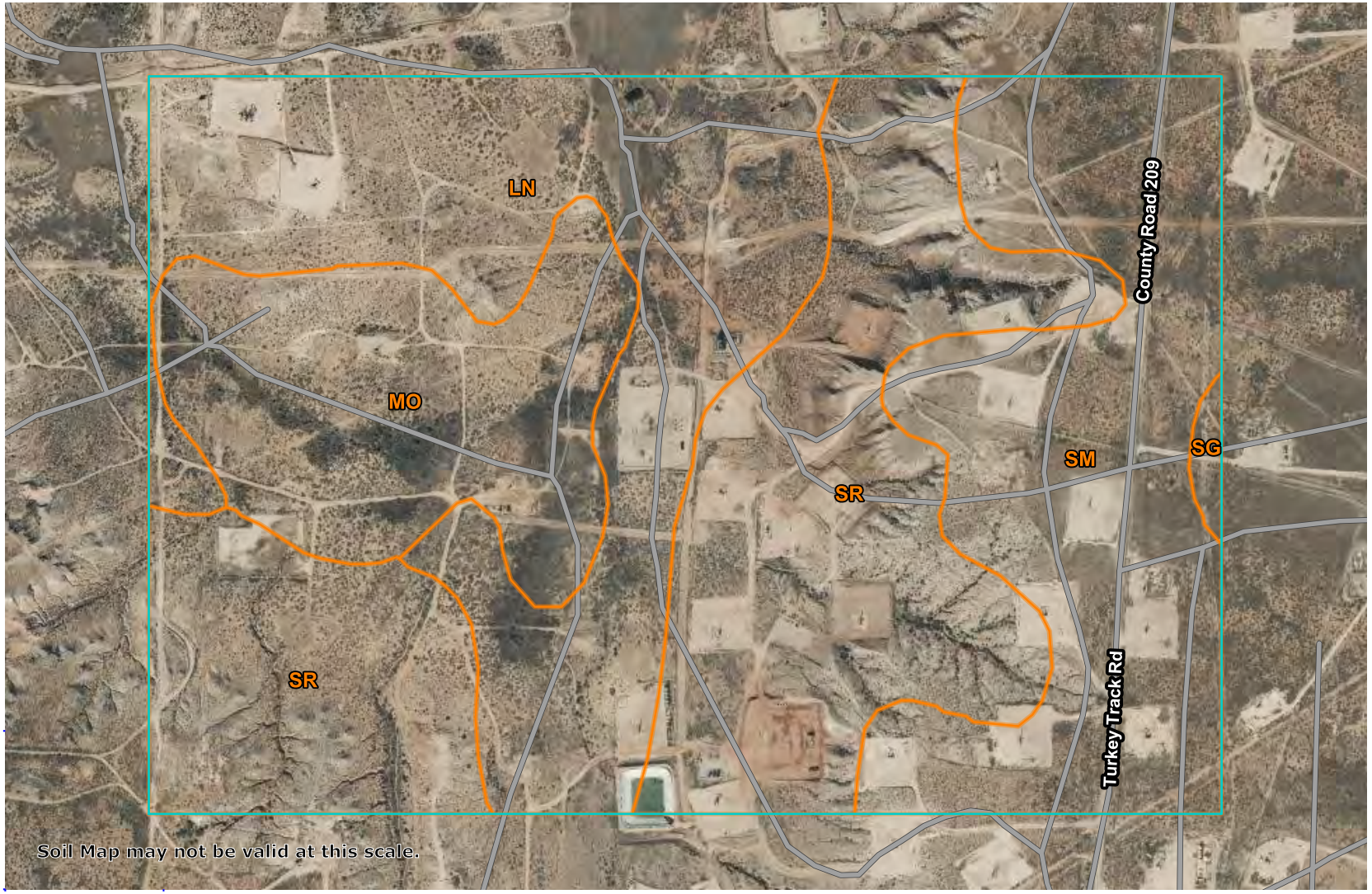
Soil Map—Eddy Area, New Mexico
(Halberd A State 27)

104° 9' 55" W

104° 8' 39" W

32° 48' 58" N

32° 48' 17" N



Map Scale: 1:8,950 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 100 200 400 600

Feet
0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84

Soil Map—Eddy Area, New Mexico
(Halberd A State 27)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

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

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
LN	Largo-Stony land complex, 0 to 25 percent slopes	111.5	27.6%
MO	Mobeetie fine sandy loam, 1 to 5 percent slopes	62.0	15.4%
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	2.0	0.5%
SM	Simona-Bippus complex, 0 to 5 percent slopes	93.6	23.2%
SR	Stony and Rough broken land	134.0	33.2%
Totals for Area of Interest		**403.1**	**100.0%**

Eddy Area, New Mexico

LN—Largo-Stony land complex, 0 to 25 percent slopes

Map Unit Setting

National map unit symbol: 1w50
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Largo and similar soils: 41 percent
Stony land: 40 percent
Minor components: 19 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Largo

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Calcareous alluvium

Typical profile

H1 - 0 to 4 inches: loam
H2 - 4 to 47 inches: silt loam
H3 - 47 to 65 inches: loam

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 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: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 10.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Simona
Percent of map unit: 7 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Largo
Percent of map unit: 6 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Pajarito
Percent of map unit: 6 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

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

Attachment II
NMOCD Correspondence

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

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

QUESTIONS

Action 356742

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 356742
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2220566580**
Incident Name	**NAPP2220566580 HALBERD A STATE 27 #2H, #20H, & #70H @ 30-015-49357**
Incident Type	**Fire**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-49357] HALBERD 27 STATE COM #020H**

Location of Release Source	
Site Name	**HALBERD A STATE 27 #2H, #20H, & #70H**
Date Release Discovered	**07/23/2022**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,600
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/26/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639 18 Floor samples and 15 Sidewall samples
Please provide any information necessary for navigation to sampling site	32.810886, -104.155008

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

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

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 356742
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
hungry horse	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.	6/21/2024

Attachment III
Site Photographs

Photographs

Photo: 1	Description: Area where fire occurred

Photo: 2	Description: Area where fire occurred

Photographs

Photo: 3	Description: Area where fire occurred

Photo: 4	Description: Area where fire occurred

Attachment IV
Depth to Groundwater

New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 579047.27 **Northing (Y):** 3630630.27 **Radius:** 805

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20E8F	RA 13054 POD1	2	4	4	22	17S	28E	579011	3631087

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324855104093101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324855104093101 17S.28E.22.34242

Eddy County, New Mexico
Latitude 32°48'55", Longitude 104°09'31" NAD27
Land-surface elevation 3,578 feet above NGVD29
The depth of the well is 95.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1986-05-20		D	62610		3502.60	NGVD29		S		
1986-05-20		D	62611		3504.15	NAVD88		S		
1986-05-20		D	72019	75.40				S		
1990-09-19		D	62610		3501.81	NGVD29		S		
1990-09-19		D	62611		3503.36	NAVD88		S		
1990-09-19		D	72019	76.19				S		
1994-03-01		D	62610		3500.68	NGVD29		S		
1994-03-01		D	62611		3502.23	NAVD88		S		
1994-03-01		D	72019	77.32				S		
1999-01-13		D	62610		3499.45	NGVD29	1	S	USGS	
1999-01-13		D	62611		3501.00	NAVD88	1	S	USGS	
1999-01-13		D	72019	78.55			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		The reported water-level measurement represents a static level
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324857104091901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324857104091901 17S.28E.22.44244

Eddy County, New Mexico
Latitude 32°48'57", Longitude 104°09'19" NAD27
Land-surface elevation 3,582 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-04-13		D	62610		3503.97	NGVD29	1	Z		
1983-04-13		D	62611		3505.52	NAVD88	1	Z		
1983-04-13		D	72019	76.48			1	Z		
1989-01-31		D	62610		3508.25	NGVD29	1	S		
1989-01-31		D	62611		3509.80	NAVD88	1	S		
1989-01-31		D	72019	72.20			1	S		
1994-03-01		D	62610		3505.62	NGVD29	1	S		
1994-03-01		D	62611		3507.17	NAVD88	1	S		
1994-03-01		D	72019	74.83			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2024-06-26 17:05:58 EDT
1.64 0.24 nadww02

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324858104091901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324858104091901 17S.28E.22.442442

Eddy County, New Mexico
Latitude 32°48'58", Longitude 104°09'19" NAD27
Land-surface elevation 3,582 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measure
1948-12-01		D	62610		3534.95	NGVD29	1	Z		
1948-12-01		D	62611		3536.50	NAVD88	1	Z		
1948-12-01		D	72019	45.50			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2024-06-26 17:07:16 EDT
0.29 0.23 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Water Quality | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Water Quality Samples for the Nation

Discrete water samples data are undergoing modernization with this page no longer being updated with the latest data starting March 11, 2024
with a full decommission expected 6 months later. Learn more about the upcoming change and where to find the new samples data in our blog.

USGS 324903104091901 17S.28E.22.442 DIAMOND A

Available data for this site | Water-Quality: Field/Lab samples | GO

Eddy County, New Mexico
Latitude 32°48'54", Longitude 104°09'18" NAD27
Land-surface elevation 3,579 feet above NGVD29
Site Type: Well
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chalk Bluff Formation (313CKBF) local aquifer.

Period of record

Begin Date	End Date	Samples
1957-04-30	1957-04-30	1

Choose Output Format

Retrieve Water-Quality Samples for Selected Sites
Choose one of the following options for displaying data for the sites meeting the criteria above

---

○
?
Parameter Group Period of Record table
○
?
Inventory of water-quality data For printing
○

Attachment V
Field Data

Sample Log

Hungry Horse, LLC
Project: Halberd A State 27
Karst: Yes Water: 50'-100'
Standard: TPH 100mg/kg, Chloride 600mg/kg

Date: 6-26-2024
GPS: 32.810886, -104.155008
Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SP 1	6"	ND	2.8 @ 82x4 = 328	
SP 2	6"		3.0 @ 92x4 = 368	
SP 3	6"		3.2 @ 102x4 = 408	
SP 4	6"		2.8 @ 82x4 = 328	
SP 5	6"		2.6 @ 73x4 = 292	
SP 6	6"		3.2 @ 102x4 = 408	
SP 7	6"		3.4 @ 113x4 = 452	
SP 8	6"		3.0 @ 92x4 = 368	
SP 9	6"		2.8 @ 82x4 = 328	
SP 10	6"		3.0 @ 92x4 = 368	
SP 11	6"		2.8 @ 82x4 = 328	
SP 12	6"		2.6 @ 73x4 = 292	
SP 13	6"		2.8 @ 82x4 = 328	
SP 14	6"		3.0 @ 92x4 = 368	
SP 15	6"		2.8 @ 82x4 = 328	
SP 16	6"		2.8 @ 82x4 = 328	
SP 17	6"		3.0 @ 92x4 = 368	
SP 18	6"	ND	2.8 @ 82x4 = 328	

Sample Point = SP1 @ ## etc
Floor = FL1 etc
Sidewall = SW1 etc

Horizontal = HZ1 etc
Refusal = SP1 @ 4'-R
GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##
Resamples= SP1b @ 5' or SW #1b
Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC
Project: Halberd A State 27
Karst: Yes Water: 50'-100'
Standard: TPH 100mg/kg, Chloride 600mg/kg

Date: 06-26-2024
GPS: 32.810886, -104.155008
Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SW 1		ND	3.0 @ 92X4=368	
SW 2			2.6 @ 73X4=292	
SW 3			2.8 @ 82X4=328	
SW 4			3.2 @ 102X4=408	
SW 5			2.8 @ 82X4=328	
SW 6			2.6 @ 73X4=292	
SW 7			2.8 @ 82X4=328	
SW 8			3.0 @ 92X4=368	
SW 9			2.8 @ 82X4=328	
SW 10			2.6 @ 73X4=292	
SW 11			2.4 @ 64X4=256	
SW 12			2.8 @ 82X4=328	
SW 13			2.8 @ 82X4=328	
SW 14			2.8 @ 82X4=328	
SW 15		ND	2.6 @ 73X4=292	

Sample Point = SP1 @ ## etc
Floor = FL1 etc
Sidewall = SW1 etc

Horizontal = HZ1 etc
Refusal = SP1 @ 4'-R
GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##
Resamples= SP1b @ 5' or SW #1b
Stockpile = Stockpile #1

Attachment VI
Laboratory Analytical Reports

Report to:

Daniel Dominguez

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur Energy Partners

Project Name:	Halberd A State 27
Work Order:	E406245
Job Number:	21068-0001
Received:	6/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/28/24

Date Reported: 6/28/24

Daniel Dominguez
PO Box 1058
Houston, TX 77279

Project Name: Halberd A State 27
Workorder: E406245
Date Received: 6/27/2024 5:30:00AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2024 5:30:00AM, under the Project Name: Halberd A State 27.

The analytical test results summarized in this report with the Project Name: Halberd A State 27 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FL1 0.5 6

FL2 0.5 7

FL3 0.5 8

FL4 0.5 9

FL5 0.5 10

FL6 0.5 11

FL7 0.5 12

FL8 0.5 13

FL9 0.5 14

FL10 0.5 15

FL11 0.5 16

FL12 0.5 17

FL13 0.5 18

FL14 0.5 19

FL15 0.5 20

FL16 0.5 21

FL17 0.5 22

FL18 0.5 23

SW1 0.5 24

SW2 0.5 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organic Compounds by EPA8260B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	06/28/24 14:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL1 0.5	E406245-01A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL2 0.5	E406245-02A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL3 0.5	E406245-03A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL4 0.5	E406245-04A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL5 0.5	E406245-05A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL6 0.5	E406245-06A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL7 0.5	E406245-07A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL8 0.5	E406245-08A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL9 0.5	E406245-09A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL10 0.5	E406245-10A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL11 0.5	E406245-11A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL12 0.5	E406245-12A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL13 0.5	E406245-13A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL14 0.5	E406245-14A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL15 0.5	E406245-15A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL16 0.5	E406245-16A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL17 0.5	E406245-17A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
FL18 0.5	E406245-18A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW1 0.5	E406245-19A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW2 0.5	E406245-20A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL1 0.5

E406245-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*88.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*88.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*84.9 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**80.8**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL2 0.5

E406245-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*85.6 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**101**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL3 0.5

E406245-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**85.6**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL4 0.5

E406245-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**97.2**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL5 0.5

E406245-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*86.9 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**94.0**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL6 0.5

E406245-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*88.1 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**89.8**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL7 0.5

E406245-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**96.5**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL8 0.5

E406245-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**108**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL9 0.5

E406245-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**90.7**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL10 0.5

E406245-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**81.7**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL11 0.5

E406245-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**115**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL12 0.5

E406245-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*94.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*94.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**112**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL13 0.5

E406245-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**111**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL14 0.5

E406245-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*99.7 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**60.6**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL15 0.5

E406245-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*117 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*117 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**96.3**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL16 0.5

E406245-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*116 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**73.8**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL17 0.5

E406245-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*117 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*117 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**80.9**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

FL18 0.5

E406245-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*117 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*117 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**67.4**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

SW1 0.5

E406245-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**65.2**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

SW2 0.5

E406245-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*95.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2426054
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: Bromofluorobenzene		*95.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*06/27/24*	*06/27/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2426056
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426061
Chloride	**86.8**	20.0	1	06/27/24	06/27/24	

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426054-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2426054-BS1)									Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	2.32	0.0250	2.50		92.9	70-130			
Ethylbenzene	2.44	0.0250	2.50		97.4	70-130			
Toluene	2.47	0.0250	2.50		98.9	70-130			
o-Xylene	2.55	0.0250	2.50		102	70-130			
p,m-Xylene	5.11	0.0500	5.00		102	70-130			
Total Xylenes	7.66	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2426054-MS1)				**Source: E406245-03**					Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	2.35	0.0250	2.50	ND	93.9	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.5	45-135			
Toluene	2.50	0.0250	2.50	ND	99.8	48-130			
o-Xylene	2.54	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.60	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2426054-MSD1)				**Source: E406245-03**					Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	2.29	0.0250	2.50	ND	91.6	48-131	2.39	23	
Ethylbenzene	2.42	0.0250	2.50	ND	96.9	45-135	1.68	27	
Toluene	2.43	0.0250	2.50	ND	97.1	48-130	2.72	24	
o-Xylene	2.54	0.0250	2.50	ND	101	43-135	0.295	27	
p,m-Xylene	5.05	0.0500	5.00	ND	101	43-135	0.188	27	
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135	0.224	27	
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.460*		*0.500*		*92.0*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426054-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2426054-BS2)									Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike (2426054-MS2)				**Source: E406245-03**					Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2426054-MSD2)				**Source: E406245-03**					Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130	15.8	20	
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.463*		*0.500*		*92.5*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426056-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.8*		*50.0*		*83.6*	*50-200*			
LCS (2426056-BS1)									Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
Matrix Spike (2426056-MS1)				**Source: E406245-07**					Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*45.9*		*50.0*		*91.9*	*50-200*			
Matrix Spike Dup (2426056-MSD1)				**Source: E406245-07**					Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	1.77	20	
Surrogate: n-Nonane	*46.4*		*50.0*		*92.8*	*50-200*			

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 2:19:26PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426061-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	ND	20.0							
LCS (2426061-BS1)									Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2426061-MS1)				**Source: E406245-03**					Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	337	20.0	250	85.6	101	80-120			
Matrix Spike Dup (2426061-MSD1)				**Source: E406245-03**					Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	334	20.0	250	85.6	99.4	80-120	0.947	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	06/28/24 14:19

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client:	Spur Energy Partners, LLC
Project:	Halberd A State 27
Project Manager:	Daniel Dominguez
Address:	4024 Plains Hwy
City, State, Zip:	Lovington, NM 88260, NM, 8826
Phone:	575 393-3386
Email:	pm@hungry-horse.com
Report due by:	

Bill To

Attention:	Kathy Purvis
Address:	104 S Pecos St.
City, State, Zip:	Midland
Phone:	575-441-8619
Email:	katherine.purvis@spurenergy.com

Lab Use Only

Lab WO#	Job Number
E406245	21068-0001

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
	6/26/24	Soil	1	FL1	0.5	1									X				
	6/26/24	Soil	1	FL2	0.5	2									X				
	6/26/24	Soil	1	FL3	0.5	3									X				
	6/26/24	Soil	1	FL4	0.5	4									X				
	6/26/24	Soil	1	FL5	0.5	5									X				
	6/26/24	Soil	1	FL6	0.5	6									X				
	6/26/24	Soil	1	FL7	0.5	7									X				
	6/26/24	Soil	1	FL8	0.5	8									X				
	6/26/24	Soil	1	FL9	0.5	9									X				
	6/26/24	Soil	1	FL10	0.5	10									X				

Additional Instructions: Email results to: pm@hungry-horse.com
katherine.purvis@spurenergy.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/26/24	1420	Michelle Gonzales	6.26.24	1420
Michelle Gonzales	6.26.24	1630	[signature]	6.26.24	1645
[signature]	6.26.24	2245	Thuyen K Hill	6-27-24	0530

Lab Use Only
Received on ice: (Y) / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

Client: Spur Energy Partners, LLC	Bill To	Lab Use Only	TAT / EPA Program
Project: Halberd A State 27	Attention: Kathy Purvis	Lab WO# E406245	Job Number 21068.0001
Project Manager: Daniel Dominguez	Address: 104 S Pecos St.	1D: X	2D / 3D / Standard
Address: 4024 Plains Hwy	City, State, Zip: Midland	CWA / SDWA / RCRA	
City, State, Zip: Lovington, NM 88260, NM, 8826	Phone: 575-441-8619	State: NM: X	CO / UT / AZ / TX
Phone: 575 393-3386	Email: katherine.purvis@spurenergy.com		
Email: pm@hungry-horse.com			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
	6/26/24	Soil	1	FL11	0.5	11									X				
	6/26/24	Soil	1	FL12	0.5	12									X				
	6/26/24	Soil	1	FL13	0.5	13									X				
	6/26/24	Soil	1	FL14	0.5	14									X				
	6/26/24	Soil	1	FL15	0.5	15									X				
	6/26/24	Soil	1	FL16	0.5	16									X				
	6/26/24	Soil	1	FL17	0.5	17									X				
	6/26/24	Soil	1	FL18	0.5	18									X				
	6/26/24	Soil	1	SW1	0.5	19									X				
	6/26/24	Soil	1	SW2	0.5	20									X				

Additional Instructions: Email results to: pm@hungry-horse.com
katherine.purvis@spurenergy.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/26/24	1420	Michelle Gonzales	6-26-24	1420
Michelle Gonzales	6.26.24	1630	[signature]	6.26.24	1645
[signature]	6.26.24	2245	[signature]	6-27-24	0550

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 6/27/2024 2:40:30PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur Energy Partners	Date Received:	06/27/24 05:30	Work Order ID:	E406245
Phone:	(832) 930-8546	Date Logged In:	06/26/24 16:51	Logged In By:	Raina Schwanz
Email:		Due Date:	06/27/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Project: Halberd A State 27 split between workorders E406245 & E406246 due to high sample volume. Time sampled not on COC by client.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Daniel Dominguez

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur Energy Partners

Project Name:	Halberd A State 27
Work Order:	E406246
Job Number:	21068-0001
Received:	6/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/28/24

Date Reported: 6/28/24

Daniel Dominguez
PO Box 1058
Houston, TX 77279

Project Name: Halberd A State 27
Workorder: E406246
Date Received: 6/27/2024 5:30:00AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2024 5:30:00AM, under the Project Name: Halberd A State 27.

The analytical test results summarized in this report with the Project Name: Halberd A State 27 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SW3 0.5 5

SW4 0.5 6

SW5 0.5 7

SW6 0.5 8

SW7 0.5 9

SW8 0.5 10

SW9 0.5 11

SW10 0.5 12

SW11 0.5 13

SW12 0.5 14

SW13 0.5 15

SW14 0.5 16

SW15 0.5 17

QC Summary Data 18

QC - Volatile Organics by EPA 8021B 18

QC - Nonhalogenated Organics by EPA 8015D - GRO 19

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 20

QC - Anions by EPA 300.0/9056A 21

Definitions and Notes 22

Chain of Custody etc. 23

Sample Summary

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	06/28/24 11:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW3 0.5	E406246-01A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW4 0.5	E406246-02A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW5 0.5	E406246-03A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW6 0.5	E406246-04A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW7 0.5	E406246-05A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW8 0.5	E406246-06A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW9 0.5	E406246-07A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW10 0.5	E406246-08A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW11 0.5	E406246-09A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW12 0.5	E406246-10A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW13 0.5	E406246-11A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW14 0.5	E406246-12A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.
SW15 0.5	E406246-13A	Soil	06/26/24	06/27/24	Glass Jar, 2 oz.

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW3 0.5

E406246-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**85.4**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW4 0.5

E406246-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**90.5**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW5 0.5

E406246-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**52.0**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW6 0.5

E406246-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**68.1**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW7 0.5

E406246-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**59.5**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW8 0.5

E406246-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**39.9**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW9 0.5

E406246-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**35.4**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW10 0.5

E406246-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**49.4**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW11 0.5

E406246-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**66.0**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW12 0.5

E406246-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**60.4**	20.0	1	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW13 0.5

E406246-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**42.6**	40.0	2	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW14 0.5

E406246-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**59.4**	40.0	2	06/27/24	06/27/24	

Sample Data

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

SW15 0.5

E406246-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Benzene	ND	0.0250	1	06/27/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/27/24	06/27/24	
Toluene	ND	0.0250	1	06/27/24	06/27/24	
o-Xylene	ND	0.0250	1	06/27/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/27/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/27/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2426059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/27/24*	*06/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*06/27/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426062
Chloride	**67.1**	40.0	2	06/27/24	06/27/24	

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426059-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
LCS (2426059-BS1)									Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2426059-MS1)				**Source: E406246-07**					Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	4.72	0.0250	5.00	ND	94.4	54-133			
Ethylbenzene	4.43	0.0250	5.00	ND	88.7	61-133			
Toluene	4.65	0.0250	5.00	ND	93.0	61-130			
o-Xylene	4.52	0.0250	5.00	ND	90.4	63-131			
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.3*	*70-130*			
Matrix Spike Dup (2426059-MSD1)				**Source: E406246-07**					Prepared: 06/27/24 Analyzed: 06/27/24
Benzene	5.13	0.0250	5.00	ND	103	54-133	8.23	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	61-133	8.04	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	8.16	20	
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131	8.13	20	
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131	8.01	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131	8.05	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.90*		*8.00*		*86.2*	*70-130*			

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426059-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.43*		*8.00*		*105*	*70-130*			
LCS (2426059-BS2)									Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.57*		*8.00*		*107*	*70-130*			
Matrix Spike (2426059-MS2)				**Source: E406246-07**					Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.57*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2426059-MSD2)				**Source: E406246-07**					Prepared: 06/27/24 Analyzed: 06/27/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	1.47	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.61*		*8.00*		*108*	*70-130*			

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426058-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.5*	*50-200*			
LCS (2426058-BS1)									Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
Matrix Spike (2426058-MS1)				**Source: E406246-02**					Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2426058-MSD1)				**Source: E406246-02**					Prepared: 06/27/24 Analyzed: 06/27/24
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	0.670	20	
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			

QC Summary Data

Spur Energy Partners	Project Name:	Halberd A State 27	**Reported:**
PO Box 1058	Project Number:	21068-0001	
Houston TX, 77279	Project Manager:	Daniel Dominguez	6/28/2024 11:34:32AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426062-BLK1)									Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	ND	20.0							
LCS (2426062-BS1)									Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2426062-MS1)				**Source: E406246-06**					Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	299	20.0	250	39.9	104	80-120			
Matrix Spike Dup (2426062-MSD1)				**Source: E406246-06**					Prepared: 06/27/24 Analyzed: 06/27/24
Chloride	296	20.0	250	39.9	103	80-120	1.09	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Spur Energy Partners	Project Name:	Halberd A State 27	
PO Box 1058	Project Number:	21068-0001	**Reported:**
Houston TX, 77279	Project Manager:	Daniel Dominguez	06/28/24 11:34

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client:	Spur Energy Partners, LLC
Project:	Halberd A State 27
Project Manager:	Daniel Dominguez
Address:	4024 Plains Hwy
City, State, Zip:	Lovington, NM 88260, NM, 8826
Phone:	575 393-3386
Email:	pm@hungry-horse.com
Report due by:	

Bill To

Attention:	Kathy Purvis
Address:	104 S Pecos St.
City, State, Zip:	Midland
Phone:	575-441-8619
Email:	katherine.purvis@spurenergy.com

Lab Use Only

Lab WO# E4062462 | Job Number 21068.0001

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM X | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	Remarks
	6/26/24	Soil	1	SW3	0.5	1	
	6/26/24	Soil	1	SW4	0.5	2	
	6/26/24	Soil	1	SW5	0.5	3	
	6/26/24	Soil	1	SW6	0.5	4	
	6/26/24	Soil	1	SW7	0.5	5	
	6/26/24	Soil	1	SW8	0.5	6	
	6/26/24	Soil	1	SW9	0.5	7	
	6/26/24	Soil	1	SW10	0.5	8	
	6/26/24	Soil	1	SW11	0.5	9	
	6/26/24	Soil	1	SW12	0.5	10	

Additional Instructions: Email results to: pm@hungry-horse.com
katherine.purvis@spurenergy.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/26/24	1420	Michelle Gonzales	6.26.24	1420
Michelle Gonzales	6.26.24	1630		6.26.24	1645
	6.26.24	2245	Hughyn R Hall	6-27-24	0530

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client:	Spur Energy Partners, LLC
Project:	Halberd A State 27
Project Manager:	Daniel Dominguez
Address:	4024 Plains Hwy
City, State, Zip:	Lovington, NM 88260, NM, 8826
Phone:	575 393-3386
Email:	pm@hungry-horse.com
Report due by:	

Bill To

Attention:	Kathy Purvis
Address:	104 S Pecos St.
City, State, Zip:	Midland
Phone:	575-441-8619
Email:	katherine.purvis@spurenergy.com

Lab Use Only

Lab WO# E406246 | Job Number 21008-0001

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
	6/26/24	Soil	1	SW13	0.5	11									X				
	6/26/24	Soil	1	SW14	0.5	12									X				
	6/26/24	Soil	1	SW15	0.5	13									X				

Additional Instructions: Email results to: pm@hungry-horse.com
katherine.purvis@spurenergy.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Daniel Dominguez	6/26/24	1420	Michelle Gonzales	6.26.24	1420
Michelle Gonzales	6.26.24	1630	Andrew Mabe	6.26.24	1645
Andrew Mabe	6.26.24	2245	Thuylyn N Hee	6-27-24	0530

Lab Use Only
Received on ice: (Y) N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 6/27/2024 2:41:56PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur Energy Partners	Date Received:	06/27/24 05:30	Work Order ID:	E406246
Phone:	(832) 930-8546	Date Logged In:	06/26/24 16:55	Logged In By:	Raina Schwanz
Email:		Due Date:	06/27/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Project: Halberd A State 27 split between workorders E406245 & E406246 due to high sample volume. Time sampled not on COC by client.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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

QUESTIONS

Action 359876

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2220566580**
Incident Name	**NAPP2220566580 HALBERD A STATE 27 #2H, #20H, & #70H @ 30-015-49357**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-49357] HALBERD 27 STATE COM #020H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HALBERD A STATE 27 #2H, #20H, & #70H
Date Release Discovered	07/23/2022
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	*Not answered.*
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	Cause: Fire | Truck | Diesel | Released: 0 GAL (Unknown Released Amount) | Recovered: 0 GAL | Lost: 0 GAL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	During frac operations a fuel line on a vehicle broke spraying diesel fuel on turbo on frac pump causing the pump to catch on fire spreading to the other vehicles.

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	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;** **(2) an unauthorized release of a volume that:** **(a) results in a fire or is the result of a fire.**
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: 07/01/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	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 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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)	115
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	06/26/2024
On what date will (or did) the final sampling or liner inspection occur	06/26/2024
On what date will (or was) the remediation complete(d)	06/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	3600
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3600
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*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)	Yes
Other Non-listed Remedial Process. Please specify	REMEDIATION WAS NOT NECESSARY BECAUSE LAB ANALYSIS INDICATED THAT THE SOIL CONCENTRATIONS WERE ALL BELOW THE MOST STRINGENT CLOSURE CRITERIA LEVELS
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 07/01/2024

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

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**356742**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/26/2024**
What was the (estimated) number of samples that were to be gathered	**33**
What was the sampling surface area in square feet	**3600**

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	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	REMEDIATION WAS NOT NECESSARY BECAUSE LAB ANALSIS INDICATED THAT ALL CONCENTRATION WERE BELOW THE MOST STRINGENT NMOCD CLOSURE CRITERIA

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: 07/01/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 359876
	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 359876

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 359876
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	7/1/2024