

NAPP2430244854

Ringer Federal 6 (30-015-33187)

Unable to calculate a volume.



## Site Assessment and Reclamation Work Plan

**Murchison Oil & Gas, LLC  
Ringer Federal #6  
Eddy County, New Mexico  
Unit Letter "P", Section 3, Township 25 South, Range 26 East  
Latitude 32.154641 North, Longitude 104.275903 West  
NMOCD Incident #: nAPP2430244854**

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Prepared For:

Murchison Oil & Gas  
5325 Sierra Vista  
Carlsbad, NM 88230

Prepared By:

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

**November 2024**

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- Attachment II – Depth to Groundwater
- Attachment III – NMBLM Seed Mixture 4 for Gypsum Sites
- Attachment IV – Laboratory Analytical Reports



## HUNGRY HORSE, LLC

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The following *Site Assessment and Reclamation Work Plan* serves as a condensed update on proposed reclamation activities at the afore referenced Site.

### Background:

The site is located in Unit Letter P (SE/SE), Section 3, Township 25 South, Range 26 East, approximately six miles Southeast of Whites City, in Eddy County, New Mexico. The property is located on Bureau of Land Management land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The location is an SWD and tank battery; Latitude 32.154641 North, Longitude 104.275903 West. An area of interest was identified as having indications of contamination on the surface, characterized by limited or no vegetative cover. The NMOCD Form C-141 indicates a historic release of unknown volume. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Permitting Portal.

### 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 II and the results are depicted on Figures 2 and 3.

No water wells were located within a half mile of the release area. Therefore, as the site is also located in a Gypsum Karst designated area, the site will be reclaimed 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. Web Soil Survey indicates the area is located in the Gypsum land Cottonwood complex comprised of loam soils with 0 to 3 percent slopes. NMBLM Seed Mixture 4 for Gypsum Sites will be utilized for seeding the area after reclamation activities are complete. Karst, Wetland, and Soil Maps are provided as Attachment I.





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**Proposed Reclamation Actions:**

In accordance with NMAC 19.2.100.67 Regulations, and NMBLM Reclamation Objectives and Procedures, the following reclamation activities are proposed in an effort to advance the site toward approved closure.

- NMBLM will be notified two business days prior to commencement of reclamation activities.
- Based on sampling conducted by McNabb Partners on August 15, 2024, and delineation sampling conducted by Hungry Horse on November 1, 2024, it is proposed to excavate contaminated soil, sample, backfill with clean topsoil, and seed. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment IV.
- The area characterized by sample locations CS-01, SP1, and SP2, approximately 3,700 square feet, will be excavated to approximately six and a half feet bgs, or until closure criteria is achieved.
- The area characterized by sample location SP3, approximately 2,700 square feet, will be excavated to approximately three feet bgs, or until closure criteria is achieved.
- The area characterized by sample location SP4, approximately 1,800 square feet, will be excavated to approximately one-foot bgs, or until closure criteria is achieved.
- The area characterized by sample locations CS-02 and CS-03, approximately 4,000 square feet, will be scraped approximately six inches.
- The area characterized by sample location BG-02, approximately 1,000 square feet, will be excavated to approximately five feet bgs, or until closure criteria is achieved.
- Excavated contaminated soil, approximately 1,700 cubic yards, will be hauled to an NMOCD approved disposal facility.
- Upon completion of excavation activities, five-point composite confirmation samples will be collected from each of the excavation floors and sidewalls; with each sample representing no more than 200 square feet. Confirmation soil samples will be submitted to the laboratory for analysis of BTEX, TPH, and chloride.
- Upon receiving laboratory analytical results from confirmation soil samples, demonstrating constituent contaminant levels are equal to or below the strictest NMOCD Closure Criteria, the excavations will be backfilled with locally sourced, clean, non-impacted, material, of the same soil type as was excavated.
- Affected areas will then be covered with a cover top layer, which matches observable surrounding top layer thickness, of locally sourced, clean, non-impacted, topsoil, scarified and seeded with NMBLM approved Seed Mixture 4 for Gypsum Sites.
- A berm, approximately 130 feet in length, depicted in black on the Proposed Excavation Map, will also be installed on the South edge of the reclaimed area along the lease road. This will prevent vehicular access to the reclaimed area and divert water runoff from flowing across the reclaimed area. The Proposed Excavation Map is provided as Figure 4.
- Reclamation activities are expected to be completed within 30 days of receiving NMBLM approval of the Site Assessment and Reclamation Work Plan.



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**Sampling Plan:**

Upon completion of excavation activities, NMOCD will be notified via C-141N (Notification of Sampling) two business days prior to collection of confirmation samples. Confirmation five-point composite soil samples will then be collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Confirmation soil samples will be submitted to the laboratory for analysis of BTEX, TPH, and chloride.

**Restoration, Reclamation, and Re-Vegetation:**

As the area of interest is not reasonably needed for production operations, the area will be reclaimed according to 19.15.29.13 NMAC. Based upon laboratory analytical results from confirmation soil samples, the excavations will be backfilled with locally sourced, clean, non-impacted soil, of the same soil type as was excavated.

The soil backfill will included a cover top layer, which matches observable surrounding top layer thickness, backfilled with locally sourced, clean, non-impacted topsoil to provide suitable material to establish vegetative growth. The area will then be contoured the site's existing grade to prevent ponding of water and erosion of the cover material. The affected area will then be tracked utilizing a dozer to ripple the soil to prepare the seed bed for seeding.

The affected area will then be seeded, via hand broadcast at double the recommended rate, with NMBLM Seed Mixture 4 for Gypsum Sites, free of noxious weeds, within thirty days following these completed reclamation activities. The site will also be monitored for growth and noxious weed management on a semi-annual basis until desired vegetation is achieved. NMBLM Seed Mixture 4 for Gypsum Sites is provided as Attachment III.

**Limitations:**

Hungry Horse, LLC, has prepared this *Site Assessment and Reclamation Work Plan* 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.



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**Distribution:**

**Murchison Oil & Gas**

5325 Sierra Vista  
Carlsbad, NM 88230

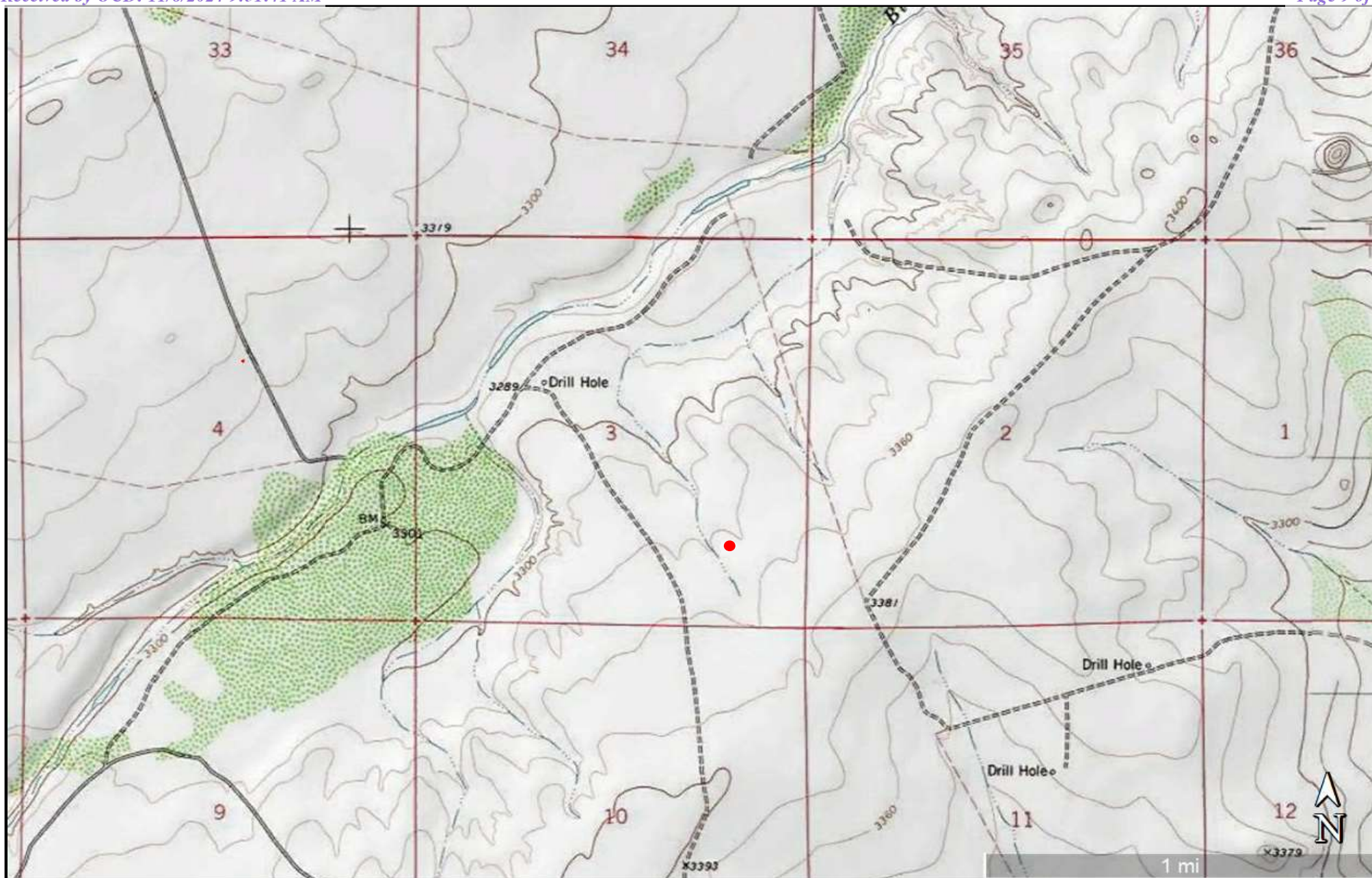
**New Mexico Energy, Minerals and Natural Resources Department**

Oil Conservation Division, District 2  
811 S. First St.  
Artesia, NM 88210

**New Mexico Bureau of Land Management**

620 E. Greene St  
Carlsbad, NM 88220

## **Figures**

**Figure 1**

Topographic Map  
 Murchison Oil & Gas  
 Ringer Federal #6  
 GPS: 32.154641, -104.275903  
 Eddy County

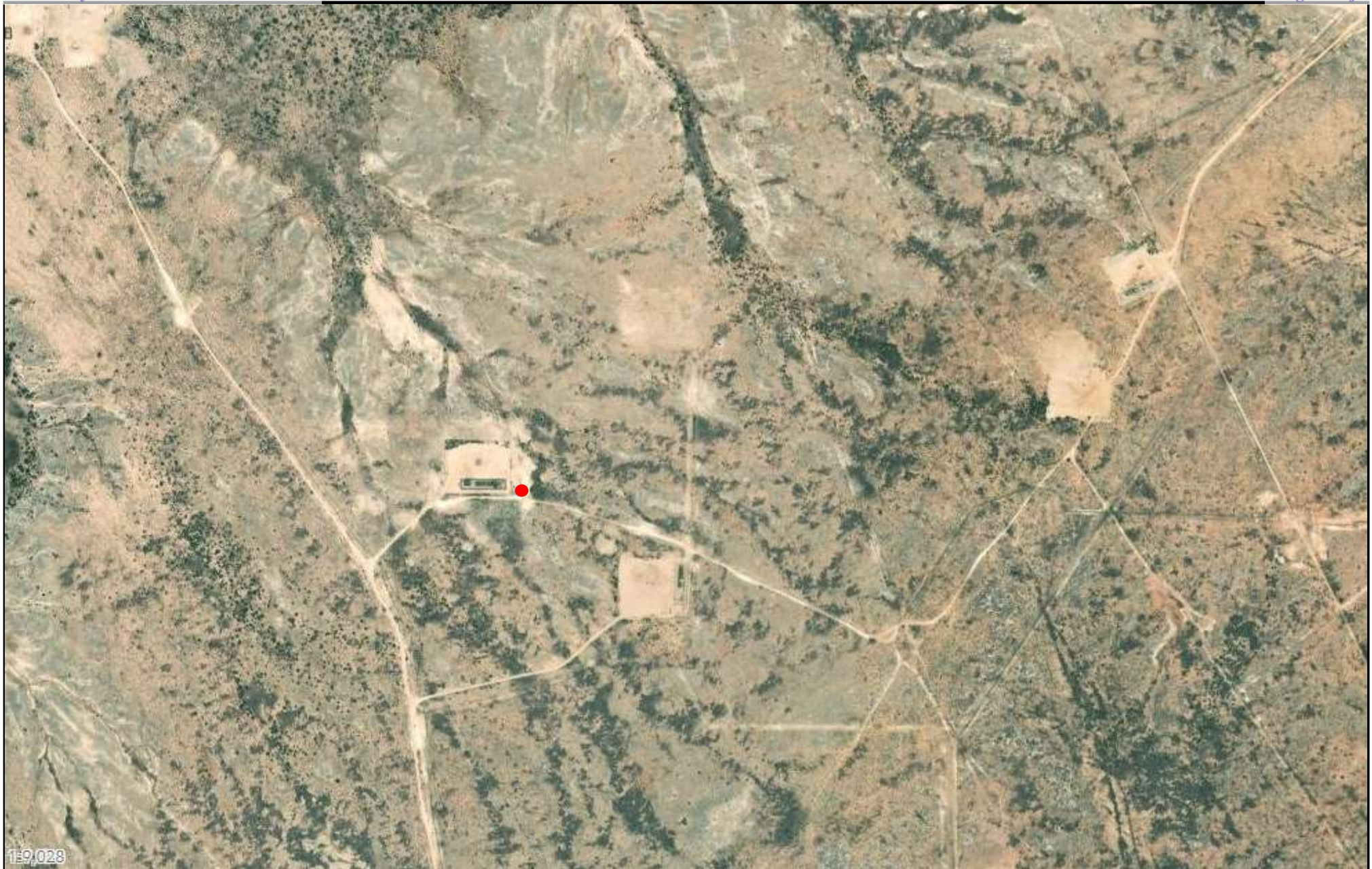
**Legend:**

- Ringer Federal #6 Location

Drafted: dd  
 Checked: bw  
 Date: 10/22/24





**Figure 2**

OSE POD Locations Map  
Murchison Oil & Gas  
Ringer Federal #6  
GPS: 32.154641, -104.275903  
Eddy County

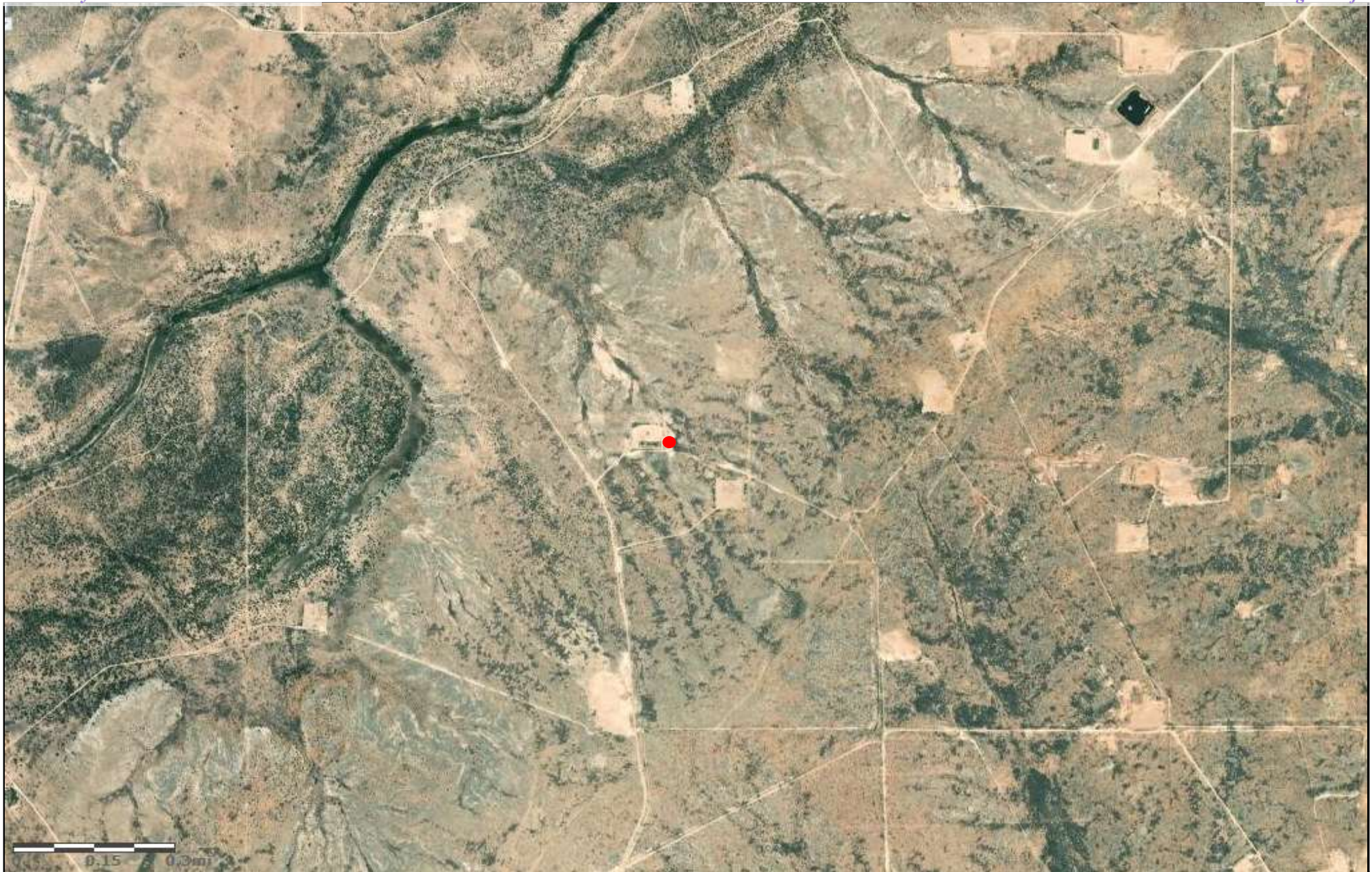
**Legend:**

● Ringer Federal #6 Location

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Checked: bw  
Date: 10/22/24





**Figure 3**

USGS Well Locations Map  
Murchison Oil & Gas  
Ringer Federal #6  
GPS: 32.154641, -104.275903  
Eddy County

**Legend:**

● Ringer Federal #6 Location

Drafted: dd  
Checked: bw  
Date: 10/22/24





**Figure 4**

Proposed Excavation Area Map  
 Murchison Oil & Gas  
 Ringer Federal #6  
 GPS: 32.154641, -104.275903  
 Eddy County

**Legend:**

- Area of Interest
- CS-01 McNabb Sample Location
- SP1 Hungry Horse Delineation Sample Location

Drafted: dd  
 Checked: bw  
 Date: 10/31/24





## **Table**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
CS-01	8/15/24	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>12,500</b>
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,720</b>
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,840</b>
	8/15/24	6.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>880</b>
	8/15/24	8.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
CS-02	8/15/24	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
	8/15/24	7.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
CS-03	8/15/24	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	8/15/24	8.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
BG-01	8/15/24	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	5.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	7.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	8.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
BG-02	8/15/24	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,010</b>
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,060</b>
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
	8/15/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>880</b>
	8/15/24	7.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
NMOCD Closure Criteria				<b>10</b>	<b>50</b>	-	-	N/A	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP1	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>51,200</b>
	11/1/24	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP2	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,520</b>
	11/1/24	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SP3	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>12,600</b>
	11/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
SP4	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,560</b>
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
HZ1	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ4	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ5	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ6	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ7	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ8	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

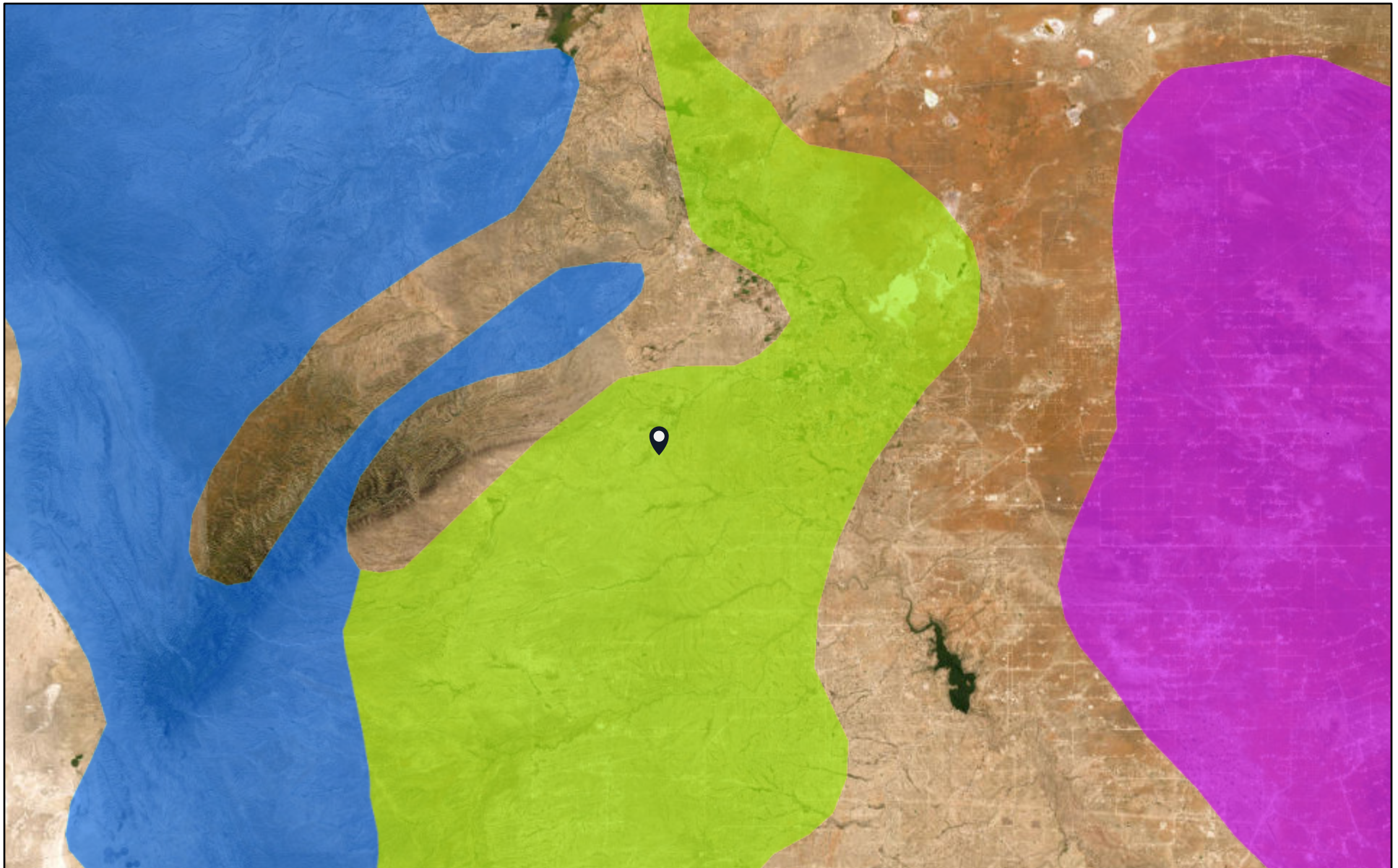
- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

## **Attachment I**

### **Karst, Wetland, and Soil Maps**

## Ringer Federal #6



10/22/2024

### Karst Type

- Carbonate
- Erosional
- Gypsum



Volcanic

World Imagery

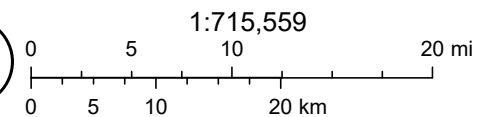
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

150m Resolution Metadata



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





## Ringer Federal #6



October 22, 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  
(Ringer Federal #6)

32° 9' 51" N

104° 17' 35" W

104° 15' 30" W

32° 9' 51" N



32° 8' 42" N

32° 8' 42" N

104° 17' 35" W

104° 15' 30" W



Map Scale: 1:15,000 if printed on A landscape (11" x 8.5") sheet.

0 200 400 800 1200 Meters

0 500 1000 2000 3000 Feet


Map projection: Web Mercator Corner coordinates: WGS84

Natural Resources  
Conservation ServiceWeb Soil Survey  
National Cooperative Soil Survey10/22/2024  
Page 1 of 3

Soil Map—Eddy Area, New Mexico  
(Ringer Federal #6)

## 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.

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 20, Sep 3, 2024

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
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	404.5	36.5%
RE	Reagan-Upton association, 0 to 9 percent slopes	193.7	17.5%
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	504.3	45.6%
UG	Upton gravelly loam, 0 to 9 percent slopes	4.5	0.4%
Totals for Area of Interest		1,107.0	100.0%

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

Ringer Federal #6

## Eddy Area, New Mexico

### GC—Gypsum land-Cottonwood complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w4g

*Elevation:* 1,250 to 5,000 feet

*Mean annual precipitation:* 10 to 25 inches

*Mean annual air temperature:* 57 to 66 degrees F

*Frost-free period:* 190 to 225 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Gypsum land:* 60 percent

*Cottonwood and similar soils:* 30 percent

*Minor components:* 10 percent

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

#### Description of Gypsum Land

##### Setting

*Landform:* Ridges, plains, hills

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

*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydric soil rating:* No

#### Description of Cottonwood

##### Setting

*Landform:* Ridges, hills

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

*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Typical profile

*H1 - 0 to 8 inches:* loam

*H2 - 8 to 60 inches:* bedrock

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

Ringer Federal #6

### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 3 to 12 inches to paralithic bedrock

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.20 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 15 percent

*Gypsum, maximum content:* 5 percent

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

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 1.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* D

*Ecological site:* R070BB006NM - Gyp Upland

*Hydric soil rating:* No

### Minor Components

#### Rock outcrop

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### Cottonwood

*Percent of map unit:* 5 percent

*Ecological site:* R070BC033NM - Salty Bottomland

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 20, Sep 3, 2024

## **Attachment II**

### **Depth to Groundwater**



## New Mexico Office of the State Engineer

# Wells With Well Log Information

No report data available.

### **UTM Filters (in meters):**

**Easting:** 568280.58

**Northing:** 3557806.29

**Radius:** 805

\* UTM location was derived from PLSS - see Help

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

## **Attachment III**

### **NMBLM Seed Mixture 4 for Gypsum Sites**

**Mixture 4, for Gypsum Sites**

The holder shall seed all the disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Alkali Sacaton ( <i>Sporobolus airoides</i> )	1.5
DWS~ Four-wing saltbush ( <i>Atriplex canescens</i> )	8.0

~DWS: DeWinged Seed

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

## **Attachment IV**

### **Laboratory Analytical Reports**





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

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August 20, 2024

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: RINGER FED 6

Enclosed are the results of analyses for samples received by the laboratory on 08/16/24 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (0.5') (H244987-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12500	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (2') (H244987-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (4') (H244987-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (6') (H244987-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (8') (H244987-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (0.5') (H244987-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (2') (H244987-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (4') (H244987-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (7') (H244987-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (0.5') (H244987-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (2') (H244987-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (4') (H244987-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (8') (H244987-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	QM-07
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	QM-07
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	QM-07
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	QM-07
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (0.5') (H244987-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (2') (H244987-15)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (4') (H244987-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (5') (H244987-17)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (7') (H244987-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (8') (H244987-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (0.5') (H244987-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (2') (H244987-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (4') (H244987-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (4.5') (H244987-23)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (7.5') (H244987-24)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.06	103	2.00	0.747	
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	
Total BTEX	<0.300	0.300	08/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> McNabb Partners <b>Project Manager:</b> Dmitry Nikanorov <b>Address:</b> 5014 W Carlsbad Hwy <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240 <b>Phone #:</b> 917-497-6890 <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> Murchison Oil & Gas <b>Project Name:</b> Ringer Fed 6 <b>Project Location:</b> Eddy Co, NM <b>Sampler Name:</b> Dmitry Nikanorov, Andrew Parker				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Murchison Oil & Gas <b>Attn:</b> Greg Boans <b>Address:</b> 5325 Sierra Vista Dr. <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 575-706-0667 <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING																
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	TPH	Chloride	BTEX							
H244851 1-2-3-4-5-6-7-8-9-10	CS-01	(0.5')	G 1			X				X			8/15/24	8:20	X	X	X							
	CS-01	(2')	G 1			X				X			8/15/24	8:25	X	X	X							
	CS-01	(4')	G 1			X				X			8/15/24	8:30	X	X	X							
	CS-01	(6')	G 1			X				X			8/15/24	8:35	X	X	X							
	CS-01	(8')	G 1			X				X			8/15/24	8:40	X	X	X							
	CS-02	(0.5')	G 1			X				X			8/15/24	8:45	X	X	X							
	CS-02	(2')	G 1			X				X			8/15/24	8:50	X	X	X							
	CS-02	(4')	G 1			X				X			8/15/24	8:55	X	X	X							
	CS-02	(7')	G 1			X				X			8/15/24	9:00	X	X	X							
	CS-03	(0.5')	G 1			X				X			8/15/24	9:05	X	X	X							
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																								
<b>Relinquished By:</b>  <b>Relinquished By:</b>		<b>Date:</b> 8-16-24 <b>Time:</b> 2:05 <b>Date:</b> <b>Time:</b>		<b>Received By:</b>  <b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> All Results are emailed. Please provide Email address: dimitry@mcnabbpartners.com, andrew@mcnabbpartners.com, laura@mcnabbpartners.com <b>REMARKS:</b>																		
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> 1.0 <b>Corrected Temp. °C</b> 0.4		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) 		<b>Turnaround Time:</b> 48 hours <b>Standard</b> <input checked="" type="checkbox"/> <b>KUSH</b> <b>Thermometer ID:</b> #140 <b>Correction Factor:</b> -0.5°C <b>Bacteria (only)</b> <input checked="" type="checkbox"/> Cool Intact <input checked="" type="checkbox"/> Sample Condition Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C																

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



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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: McNabb Partners				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Dimityr Nikanorov				P.O. #:																			
Address: 5014 W Carlsbad Hwy				Company: Murchison Oil & Gas																			
City: Hobbs State: NM Zip: 88240				Attn: Greg Boans																			
Phone #: 917-497-6890 Fax #:				Address: 5325 Sierra Vista Dr,																			
Project #: Project Owner: Murchison Oil&Gas				City: Carlsbad																			
Project Name: Ringer Fed 6				State: NM Zip: 88220																			
Project Location: Eddy Co, NM				Phone #: 575-706-0667																			
Sampler Name: Dimityr Nikanorov, Andrew Parker				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(GRAB OR C/OMP)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	Chloride	BTEX						
12/24/24	CS-03	(2')	G 1			X				X			8/15/24	9:10	X	X	X						
12	CS-03	(4')	G 1			X				X			8/15/24	9:15	X	X	X						
13	CS-03	(8')	G 1			X				X			8/15/24	9:20	X	X	X						
14	BG-01	(0.5')	G 1			X				X			8/15/24	9:25	X	X	X						
15	BG-01	(2')	G 1			X				X			8/15/24	9:30	X	X	X						
16	BG-01	(4')	G 1			X				X			8/15/24	9:35	X	X	X						
17	BG-01	(5')	G 1			X				X			8/15/24	9:40	X	X	X						
18	BG-01	(7')	G 1			X				X			8/15/24	9:45	X	X	X						
19	BG-01	(8')	G 1			X				X			8/15/24	9:50	X	X	X						
20	BG-02	(0.5')	G 1			X				X			8/15/24	9:55	X	X	X						

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Relinquished By:	Date: 8/10/24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1205	Received By:	All Results are emailed. Please provide Email address:
	Date:		dimitry@mcnabbpartners.com, andrew@mcnabbpartners.com, laura@mcnabbpartners.com
	Time:		REMARKS:
Delivered By: (Circle One)	Observed Temp. °C 1.0	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) AD
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.4		Turnaround Time: 48 hours Standard KUSH <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C
			Thermometer ID #140 Correction Factor -0.8°C <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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November 05, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: RINGER FEDERAL #6

Enclosed are the results of analyses for samples received by the laboratory on 11/01/24 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 1 - SURF (H246693-01)**

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50	
Total BTX	<0.300	0.300	11/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	51200	16.0	11/04/2024	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 1 - 8' (H246693-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 2 - SURF (H246693-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	11/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 2 - 8' (H246693-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 3 - SURF (H246693-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50	
Total BTEX	<0.300	0.300	11/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	11/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 3 - 3' (H246693-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 4 - SURF (H246693-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1560	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 4 - 1' (H246693-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80		
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28		
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 1 - SURF (H246693-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 1 - 1' (H246693-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 2 - SURF (H246693-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50	
Total BTEX	<0.300	0.300	11/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 2 - 1' (H246693-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 3 - SURF (H246693-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 3 - 1' (H246693-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 4 - SURF (H246693-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 4 - 1' (H246693-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 5 - SURF (H246693-17)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305	
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682	
Total BTX	<0.300	0.300	11/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 5 - 1' (H246693-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 6 - SURF (H246693-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305	
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682	
Total BTEX	<0.300	0.300	11/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 6 - 1' (H246693-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305	
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682	
Total BTEX	<0.300	0.300	11/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 7 - SURF (H246693-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305	
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682	
Total BTEX	<0.300	0.300	11/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 7 - 1' (H246693-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 8 - SURF (H246693-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 8 - 1' (H246693-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEx	<0.300	0.300	11/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/05/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Hungry Horse LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
<b>Project Manager:</b> Daniel Dominguez				<b>P.O. #:</b>																		
<b>Address:</b> 4024 Plains Hwy				<b>Company:</b> Murchison Oil & Gas																		
<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Greg Boans																
<b>Phone #:</b> 575 393-3386		<b>Fax #:</b>		<b>Address:</b> 5325 Sierra Vista		<b>City:</b> Carlsbad																
<b>Project #:</b>		<b>Project Owner:</b> Murchison Oil & Gas		<b>State:</b> NM		<b>Zip:</b> 88230																
<b>Project Name:</b> Ringer Federal #6				<b>Phone #:</b> 575 706-0667																		
<b>Project Location:</b> UL/ P Sec 3 T25S - R26E				<b>Fax #:</b>																		
<b>Sampler Name:</b> Jerry Heidelberg																						
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>														
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G/RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER</b>	<b>ACID/BASE</b>	<b>ICE / COOL</b>	<b>OTHER</b>	<b>DATE</b>	<b>TIME</b>	<b>Chloride</b>	<b>TPH</b>	<b>BTEX 8021</b>					
H246093																						
1	SP1-Surf	G	1			X					X		11/1/24		X	X	X					
2	SP1-8'	G	1			X					X		11/1/24		X	X	X					
3	SP2-Surf	G	1			X					X		11/1/24		X	X	X					
4	SP2-8'	G	1			X					X		11/1/24		X	X	X					
5	SP3-Surf	G	1			X					X		11/1/24		X	X	X					
6	SP3-3'	G	1			X					X		11/1/24		X	X	X					
7	SP4-Surf	G	1			X					X		11/1/24		X	X	X					
8	SP4-1'	G	1			X					X		11/1/24		X	X	X					
9	HZ1-Surf	G	1			X					X		11/1/24		X	X	X					
10	HZ1-1'	G	1			X					X		11/1/24		X	X	X					

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<b>Relinquished By:</b>	<b>Date:</b> 11-1-24	<b>Received By:</b>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>
	<b>Time:</b> 11:02 AM		<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>REMARKS:</b> 48 hr RUSH!
	<b>Time:</b>		Email results to: pm@hungry-horse.com
<b>Delivered By: (Circle One)</b>		<b>Sample Condition</b>	<b>CHECKED BY:</b>
Sampler - UPS - Bus - Other:	1-3:00-0.00:0.7:140	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	(Initials)

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Hungry Horse LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																	
<b>Project Manager:</b> Daniel Dominguez		<b>P.O. #:</b>																			
<b>Address:</b> 4024 Plains Hwy		<b>Company:</b> Murchison Oil & Gas																			
<b>City:</b> Lovington	<b>State:</b> NM	<b>Zip:</b> 88260	<b>Attn:</b> Greg Boans																		
<b>Phone #:</b> 575 393-3386	<b>Fax #:</b>	<b>Address:</b> 5325 Sierra Vista																			
<b>Project #:</b>	<b>Project Owner:</b> Murchison Oil & Gas	<b>City:</b> Carlsbad																			
<b>Project Name:</b> Ringer Federal #6	<b>State:</b> NM	<b>Zip:</b> 88230																			
<b>Project Location:</b> UL/ P Sec 3 T25S - R26E	<b>Phone #:</b> 575 706-0667																				
<b>Sampler Name:</b> Jerry Heidelberg		<b>Fax #:</b>																			
<b>FOR LAB USE ONLY</b>	<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>MATRIX</b>	<b>PRESERV.</b>	<b>SAMPLING</b>	<b>DATE</b>	<b>TIME</b>	<b>Chloride</b>	<b>TPH</b>	<b>BTEX 8021</b>									
					<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER :</b>	<b>ACID/BASE:</b>	<b>ICE / COOL</b>	<b>OTHER :</b>								
	11	HZ2-Surf	G	1			X				X			11/1/24		X	X	X			
	12	HZ2-1'	G	1			X				X			11/1/24		X	X	X			
	13	HZ3-Surf	G	1			X				X			11/1/24		X	X	X			
	14	HZ3-1'	G	1			X				X			11/1/24		X	X	X			
	15	HZ4-Surf	G	1			X				X			11/1/24		X	X	X			
	16	HZ4-1'	G	1			X				X			11/1/24		X	X	X			
	17	HZ5-Surf	G	1			X				X			11/1/24		X	X	X			
	18	HZ5-1'	G	1			X				X			11/1/24		X	X	X			
	19	HZ6-Surf	G	1			X				X			11/1/24		X	X	X			
	20	HZ6-1'	G	1			X				X			11/1/24		X	X	X			

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<b>Relinquished By:</b>	<b>Date:</b> 11/24	<b>Received By:</b>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>
<i>Jerry Heidelberg</i>	<b>Time:</b> 1:25	<i>Sheldrick</i>	<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>REMARKS:</b> 48 hr RUSH!
	<b>Time:</b>		<b>Email results to:</b> pm@hungry-horse.com
<b>Delivered By: (Circle One)</b> 1.3:00-0.40	<b>Sample Condition</b>	<b>CHECKED BY:</b> (Initials)	<b>gboans@jdmii.com</b>
<b>Sampler - UPS - Bus - Other:</b> 0.7: #140	<b>Cool</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Intact</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>SK</i>	

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		Hungry Horse LLC										BILL TO				ANALYSIS REQUEST																																					
Project Manager:		Daniel Dominguez										P.O. #:				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX 8021</div> </div> <div style="display: grid; grid-template-columns: repeat(12, 1fr); height: 400px;"></div> </div>																																					
Address:		4024 Plains Hwy										Company:																Murchison Oil & Gas																									
City:		Lovington				State:		NM		Zip:		88260		Attn:														Greg Boans																									
Phone #:		575 393-3386				Fax #:						Address:		5325 Sierra Vista																																							
Project #:						Project Owner:		Murchison Oil & Gas				City:		Carlsbad																																							
Project Name:		Ringer Federal #6										State:		NM														Zip:		88230																							
Project Location:		UL/ P Sec 3 T25S - R26E										Phone #:		575 706-0667																																							
Sampler Name:		Jerry Heidelberg										Fax #:																																									
FOR LAB USE ONLY												MATRIX		PRESERV.		SAMPLING																																					
Lab I.D.		Sample I.D.										(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME																	
1244693																																																					
21		HZ7-Surf										G		1				X										X				11/1/24				X		X		X													
22		HZ7-1'										G		1				X										X				11/1/24				X		X		X													
23		HZ8-Surf										G		1				X										X				11/1/24				X		X		X													
24		HZ8-1'										G		1				X										X				11/1/24				X		X		X													

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Relinquished By: <i>[Signature]</i>		Date: <i>11-24</i> Time: <i>10:25</i>	Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:		Date:	Received By:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
		Time:			REMARKS: <b>48 hr RUSH!</b>
					Email results to: <i>pm@hungry-horse.com</i> <i>gboans@jdmii.com</i>
Delivered By: (Circle One) <i>1.3: 10-0-0</i> Sampler - UPS - Bus - Other: <i>0.7: #140</i>			Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>[Signature]</i>	

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**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 400643

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	400643
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2430244854
Incident Name	NAPP2430244854 RINGER FEDERAL 6 @ 30-015-33187
Incident Type	Other
Incident Status	Remediation Plan Received
Incident Well	[30-015-33187] RINGER FEDERAL #006

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Ringer Federal 6
Date Release Discovered	08/15/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Unknown   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Legacy release of unknown source. Release extent currently being assessed.



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QUESTIONS, Page 2

Action 400643

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	400643
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

**QUESTIONS**

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

**Initial Response**

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

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

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: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 11/08/2024
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QUESTIONS, Page 3

Action 400643

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	400643
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

**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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**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)	51200
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	11/25/2024
On what date will (or did) the final sampling or liner inspection occur	12/25/2024
On what date will (or was) the remediation complete(d)	01/25/2025
What is the estimated surface area (in square feet) that will be reclaimed	13200
What is the estimated volume (in cubic yards) that will be reclaimed	1700
What is the estimated surface area (in square feet) that will be remediated	13200
What is the estimated volume (in cubic yards) that will be remediated	1700

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

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

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QUESTIONS, Page 4

Action 400643

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
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	Action Number:
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	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff Facility, Orla, TX
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 11/08/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5  
  
Action 400643

QUESTIONS (continued)

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	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

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

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QUESTIONS, Page 6  
  
Action 400643

QUESTIONS (continued)

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	Action Number:  400643
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No



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CONDITIONS  
  
Action 400643

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
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CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved.	11/8/2024
bhall	OCD will not approved the proposed depths or "areas of interest" but does approved the dig and haul remediation approach.	11/8/2024
bhall	Confirmation/final samples of the base and walls must be five-point composite samples representative of no more than 200 square feet. A C-141N (Notification of Sampling) two business days prior to collection of confirmation/final samples pursuant to 19.15.29.12 D.(1)(a) NMAC.	11/8/2024
bhall	This release is in an area not reasonably needed or production and subsequent drilling activities and must be reclaimed at the time of remediation pursuant to 19.15.29.13 NMAC.	11/8/2024
bhall	Confirmation/final samples must meet the most stringent closure criteria found on Table I of 19.15.29 NMAC.	11/8/2024
bhall	Submit a complete and accurate report through the OCD permitting website by 2/7/2025.	11/8/2024