



Site Assessment and Remediation Work Plan

**Murchison Oil & Gas, LLC
Grizzly Bear State Com #2H
Eddy County, New Mexico**

**Unit Letter "I", Section 1, Township 17 South, Range 28 East
Latitude 32.861346 North, Longitude 104.121321 West**

API #: 30-015-40042

Prepared For:

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HUNGRY HORSE, LLC

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

Background:

The site is located in Unit Letter I (NE/SE), Section 1, Township 17 South, Range 28 East, approximately 9 miles northwest of Loco Hills, in Eddy County, New Mexico. The property is located on New Mexico State Trust Land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active polyline; Latitude 32.861346 North, Longitude 104.121321 West. The NMOCD Form C-141 indicated that on December 20, 2023 approximately 6 bbls of crude oil and 14 bbls of produced water were released due to a break in a polyline. A crew was dispatched to the release site and the line was repaired. No fluid was recovered. 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 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. Per NMOCD guidance, a 105-foot borehole was drilled at Latitude 32.861685 North, Longitude 104.122157 West, to determine if groundwater was present within 100 feet of ground surface.

On February 21, 2024, the borehole was drilled to a depth of 105 feet bgs. The bore hole was drilled, a period of 72 hours was observed, and then the bore was gauged for presence of water. On February 26, 2024, no water was present in the borehole when gauged, and the borehole was plugged. Therefore, depth to groundwater was determined to be deeper than 105 feet bgs. However, as the site is located in a 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
>100'	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 Largo-Stony land complex comprised of loam and silt loam soils with 0 to 25 percent slopes. NMSLO Loamy sites seed mixture will be utilized for seeding the area after reclamation activities are complete. Karst, Wetland, and Soil Maps are provided as Attachment I.

Initial Site Assessment and Delineation:

On December 20, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On January 2 and 29, 2024, delineation sampling was conducted. During sampling, hand augered test bores were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, hand augered sample bores were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the hand augered sample bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field screen data noted above and provided in Attachment IV, fifty-two representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP10, and HZ1 through HZ16, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 through SP10, which exhibited TPH and/or chloride concentrations in excess of NMOCD Closure Criteria.

From February 21-22, 2024, utilizing an excavator, each sample location was re-entered and extended to ten feet bgs, field screening for chloride at two-foot intervals, in an effort to complete delineation of the release area. Field screening results indicated chloride concentrations in excess of NMOCD Closure Criteria to a depth of ten feet bgs. Sample locations SP1 through SP5 were then extended to a depth of approximately twenty feet bgs, field screening for chloride at two-foot intervals. Field screening results indicated chloride concentrations in excess of NMOCD Closure Criteria to a depth of twenty feet bgs.

On March 5, 2024, three sample bore holes were drilled within the release area in an effort to complete delineation. Field screening for chloride began at twenty feet bgs and continued in five-foot intervals until field screening indicated chloride concentrations were below NMOCD Closure Criteria. Delineation soil samples BH1 at 40', BH2 at 60', and BH3 at 20', were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

A Delineation Sample Map is provided as Figure 4. Field Data and Laboratory Analytical Data are provided as Attachment IV and Attachment V, respectively.



Proposed Remediation Activities:

In accordance with NMOCD Regulations, NMSLO Reclamation and Remediation Guidelines and Procedures, and based upon laboratory analytical results, site characteristics, and field observations made during the initial site assessment, the following remediation activities are proposed as a variance to NMOCD Regulations, and in an effort to advance the site toward approved closure.

- Utilizing mechanical equipment, excavate the release area to an approximate depth of four and half feet bgs.
- Upon completion of excavation activities, five-point composite confirmation samples will be collected from the excavation sidewalls, every 50 linear 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 NMOCD Closure Criteria in the excavation sidewalls, 20-mil Geosynthetic Clay liners will be installed over the excavation floor in an effort to isolate chloride impacts below four feet bgs.
- Field and Laboratory Data indicates chloride contamination to depths ranging from twenty to sixty feet bgs. Distance between deepest extent of contamination and potential groundwater is over forty feet.
- After installation of 20-mil Geosynthetic Clay liners, the excavation will be backfilled with locally sourced, clean, non-impacted, topsoil, and reseeded with NMSLO approved Loamy sites seed mix.
- Remediation activities are expected to be completed within 30 days of receiving NMOCD and NMSLO approval of the Site Assessment and Remediation Work Plan.
- Within 30 days, following the completion of these remediation activities, the affected areas will be reseeded, via hand broadcast at double the recommended rate, with NMSLO approved Loamy sites seed mixture.

Sampling Plan:

Upon completion of excavation activities, confirmation five-point composite soil samples will be collected from the excavation sidewalls, every 50 linear feet. This will ensure the lateral extents of soil contamination have been removed. Confirmation soil samples will be submitted to the laboratory for analysis of BTEX, TPH, and chloride.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the lined excavation will be backfilled with locally sourced, clean, non-impacted topsoil. The area will be contoured to achieve erosion control and preserve surface water flow. The affected area will be seeded, via hand broadcast at double the recommended rate, with NMSLO approved Loamy sites seed mixture, free of noxious weeds, within 30 days following the completion of these remediation activities. Site will also be monitored for growth and noxious weed management on a semi-annual basis until desired vegetation is achieved. NMSLO approved Loamy sites seed mix is provided as Attachment VI.



Limitations:

Hungry Horse, LLC, has prepared this *Site Assessment and Remediation 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.



Distribution:

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New Mexico Energy, Minerals and Natural Resources Department

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

New Mexico State Land Office

602 N. Canal. Suite B
Carlsbad, NM 88220

Figures

**Figure 1**

Topographic Map
 Murchison Oil & Gas
 Grizzly Bear State Com #2H
 GPS: 32.861346, -104.121321
 Eddy County

Legend:

- Grizzly Bear State Com #2H Location

Drafted: dd
 Checked: bw
 Date: 12/21/23



**Figure 2**

OSE POD Locations Map
Murchison Oil & Gas
Grizzly Bear State Com #2H
GPS: 32.861346, -104.121321
Eddy County

Legend:

- Grizzly Bear State Com #2H Location

Drafted: dd
Checked: bw
Date: 12/21/23



**Figure 3**

USGS Well Locations Map
Murchison Oil & Gas
Grizzly Bear State Com #2H
GPS: 32.861346, -104.121321
Eddy County

Legend:

● Grizzly Bear State Com #2H Location

Drafted: dd
Checked: bw
Date: 12/21/23





Figure 4

Delineation Sample Map
Murchison Oil & Gas
Grizzly Bear State Com #2H
GPS: 32.861346, -104.121321
Eddy County

Legend:

- Release Area
- SP1 Delineation Sample Location
- HZ1 Horizontal Sample Location
- ⊕ 105 Foot bgs Depth to Groundwater Test Bore Location - bore was dry
- Sample bore location



Drafted: dd
Checked: bw
Date: 3/5/24

Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Murchison Oil & Gas
Grizzly Bear State Com #2H
NMOCD Ref. #: nAPP2335450194

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	1/2/24	Surf	In-Situ	<0.050	<0.300	<50.0	8,770	8,770	3,370	12,140	16,800
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,160
SP2	1/2/24	Surf	In-Situ	<0.050	<0.300	<50.0	8,790	8,790	3,720	12,510	27,000
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
SP3	1/2/24	Surf	In-Situ	<0.050	<0.300	<50.0	19,100	19,100	7,120	26,220	8,660
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,560
SP4	1/2/24	Surf	In-Situ	<0.050	1.00	<50.0	12,000	12,000	4,440	16,440	12,800
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,440
SP5	1/2/24	Surf	In-Situ	<0.050	<0.300	<50.0	16,300	16,300	6,120	22,420	8,130
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	22.5	22.5	<10.0	<30.0	5,760
SP6	1/2/24	Surf	In-Situ	<0.050	0.629	<50.0	14,900	14,900	6,210	21,110	8,400
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,280
SP7	1/2/24	Surf	In-Situ	<0.050	<0.300	97.9	21,000	21,098	5,980	27,078	12,600
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
SP8	1/2/24	Surf	In-Situ	<0.050	<0.300	64.9	27,300	27,365	10,000	37,365	3,840
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	17,000
SP9	1/2/24	Surf	In-Situ	<0.050	<0.300	144	74,600	74,744	18,600	93,344	12,400
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,400
SP10	1/2/24	Surf	In-Situ	<0.050	9.53	570	49,600	50,170	10,900	61,070	23,200
	1/29/24	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,840
HZ1	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ2	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ5	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ6	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ7	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ8	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ9	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ10	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ11	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ12	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

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
Grizzly Bear State Com #2H
NMOCD Ref. #: nAPP2335450194

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
HZ13	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ14	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ15	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ16	1/2/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1/2/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
BH1	3/5/24	40	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BH2	3/5/24	60	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
BH3	3/5/24	20	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

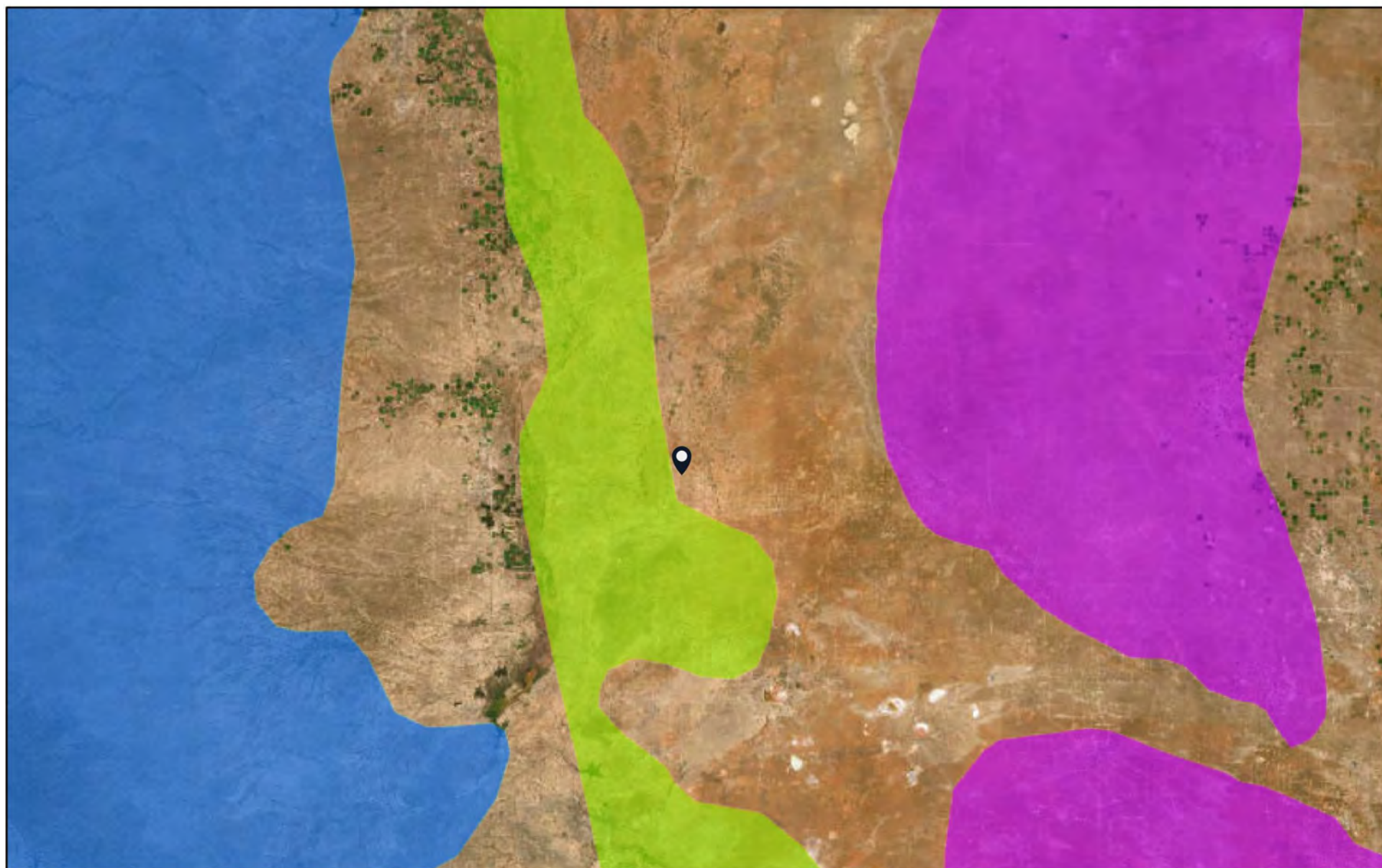
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst, Wetland, and Soil Maps

Grizzly Bear State Com #2H



12/21/2023

Karst Type

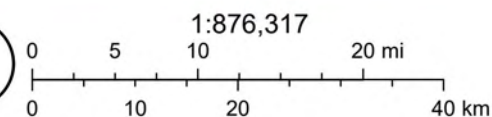
- Carbonate
- Gypsum
- Erosional

- 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



Grizzly Bear State Com #2H



December 21, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

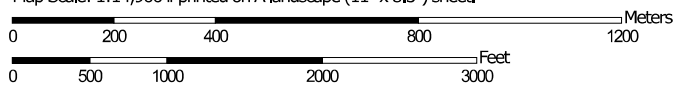
- Lake
- Other
- Riverine

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
(Grizzly Bear State Com #2H)



Map Scale: 1:14,900 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

1/3/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(Grizzly Bear State Com #2H)

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 19, Sep 7, 2023

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KT	Kimbrough-Stegall loams, 0 to 3 percent slopes	68.9	6.3%
LN	Largo-Stony land complex, 0 to 25 percent slopes	615.5	56.5%
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	313.9	28.8%
SM	Simona-Bippus complex, 0 to 5 percent slopes	1.6	0.2%
SR	Stony and Rough broken land	88.6	8.1%
Totals for Area of Interest		1,088.7	100.0%

Map Unit Description: Largo-Stony land complex, 0 to 25 percent slopes---Eddy Area, New Mexico

Grizzly Bear State Com #2H

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w50

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Largo and similar soils: 41 percent

Stony land: 40 percent

Minor components: 19 percent

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

Description of Largo

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Calcareous alluvium

Typical profile

H1 - 0 to 4 inches: loam

H2 - 4 to 47 inches: silt loam

H3 - 47 to 65 inches: loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

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

Available water supply, 0 to 60 inches: High (about 10.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Map Unit Description: Largo-Stony land complex, 0 to 25 percent slopes---Eddy Area, New Mexico

Grizzly Bear State Com #2H

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Simona

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

Largo

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

Pajarito

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

Data Source Information

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



Attachment II

Depth to Groundwater



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 582212 Northing (Y): 3636258 Radius: 805

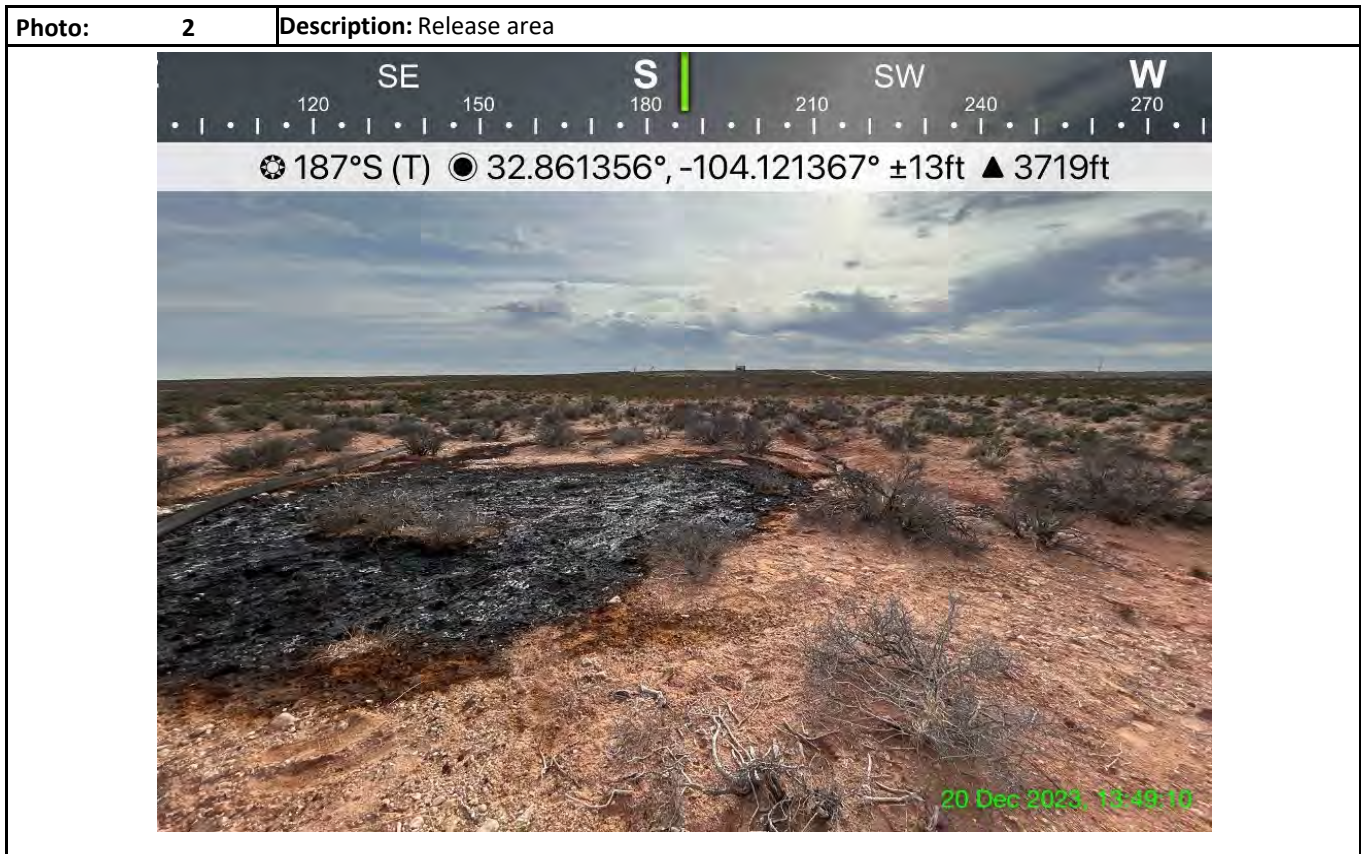
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for particular purpose of the data.

12/21/23 11:27 AM

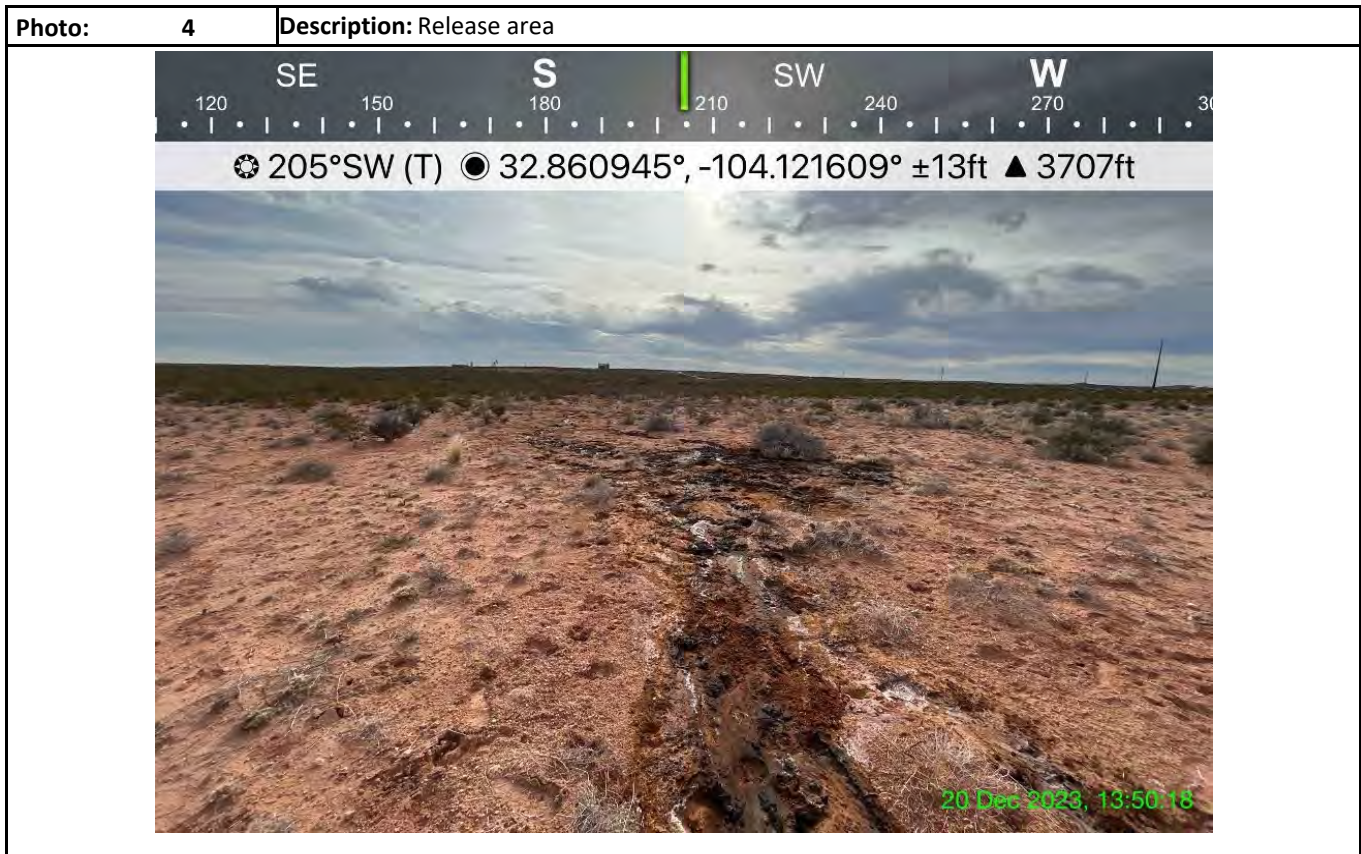
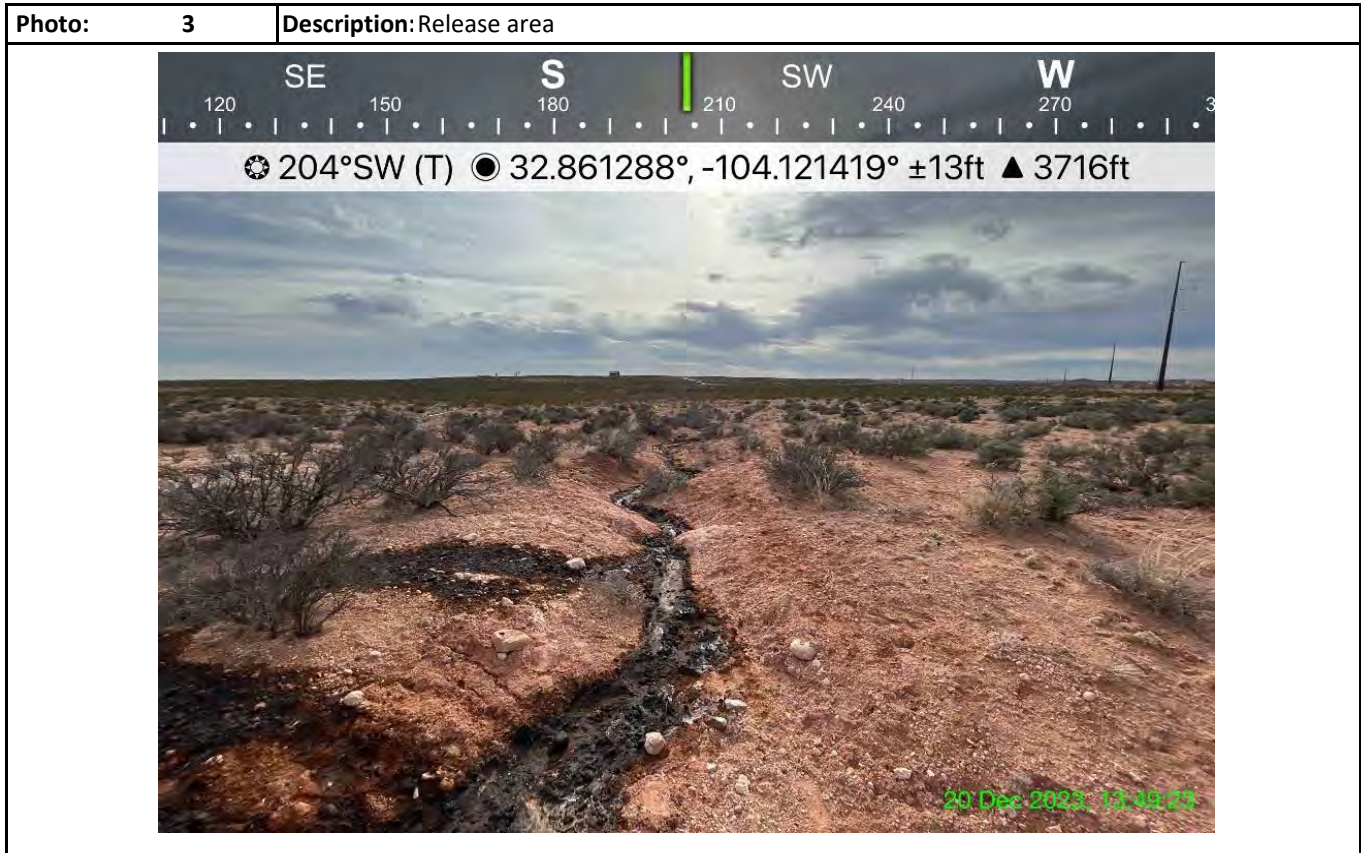
WELLS WITH WELL LOG INFORMATION

Attachment III Site Photographs

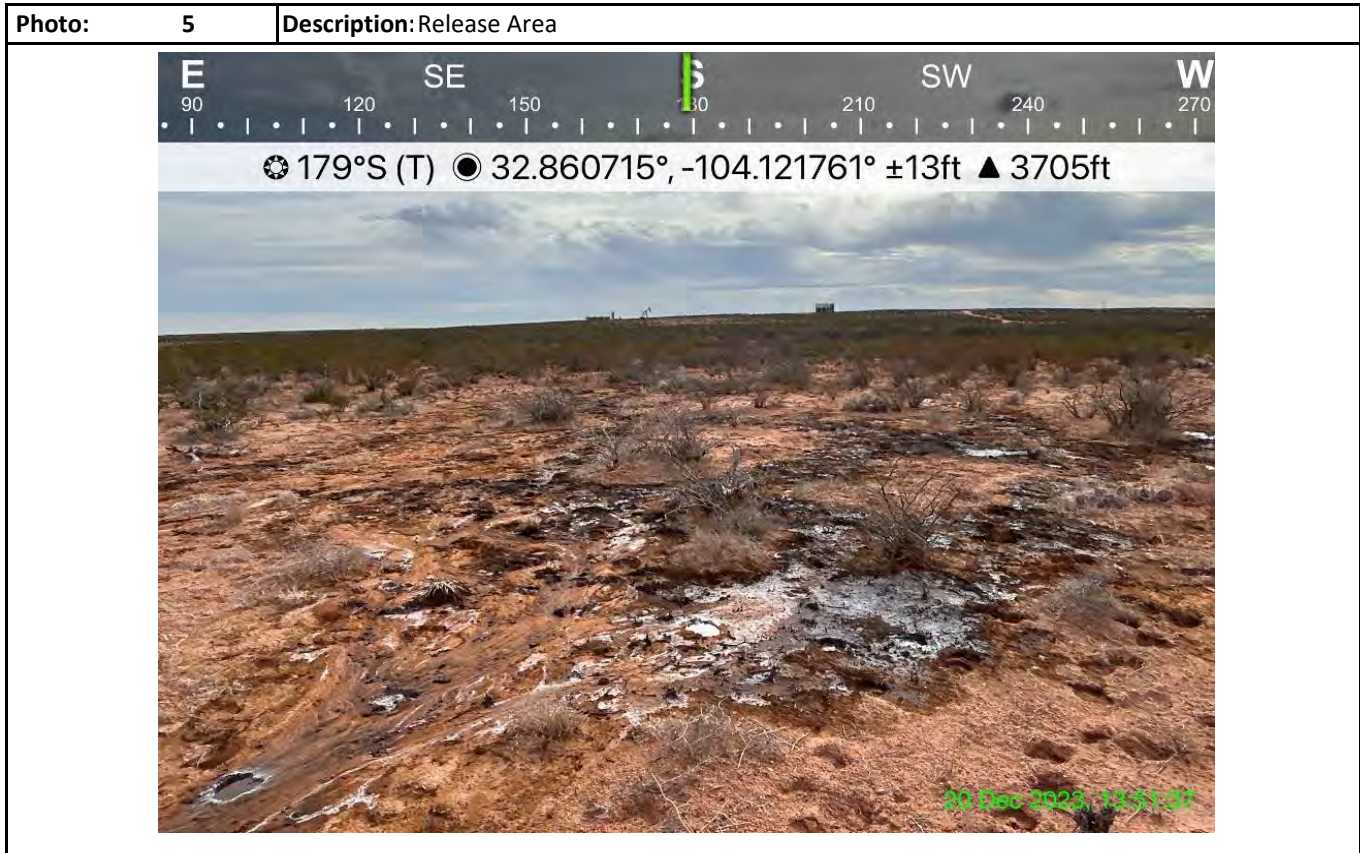
Photographs



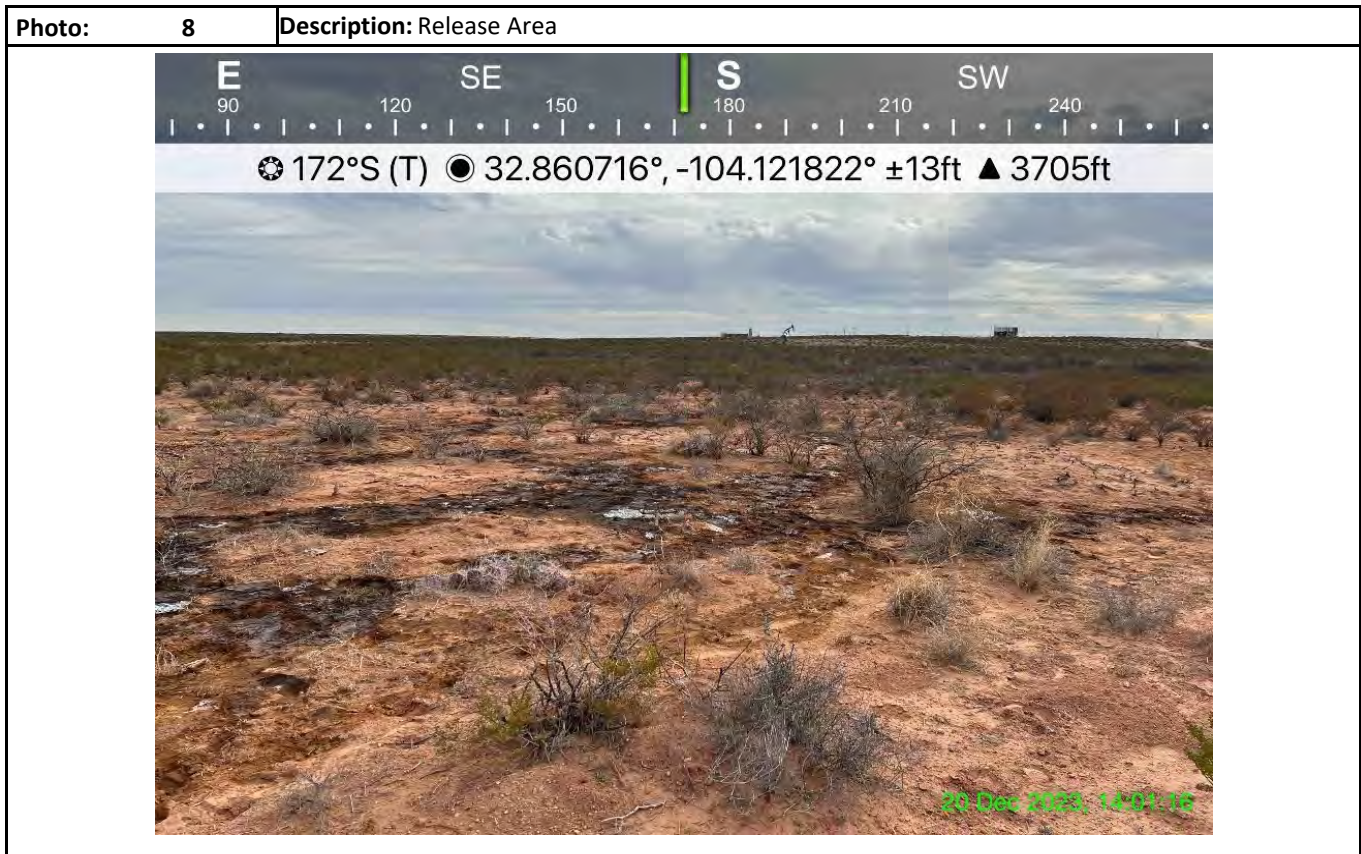
Photographs



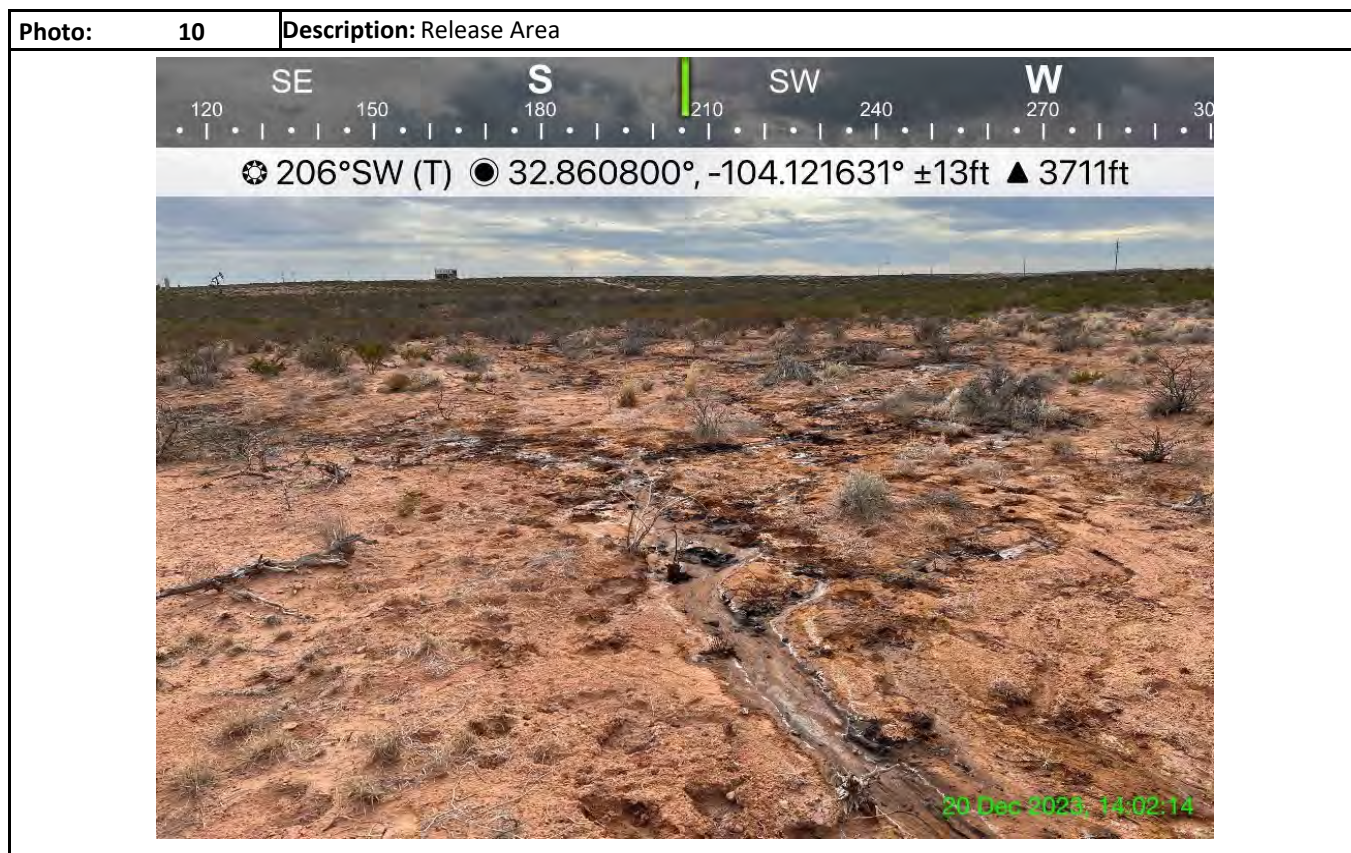
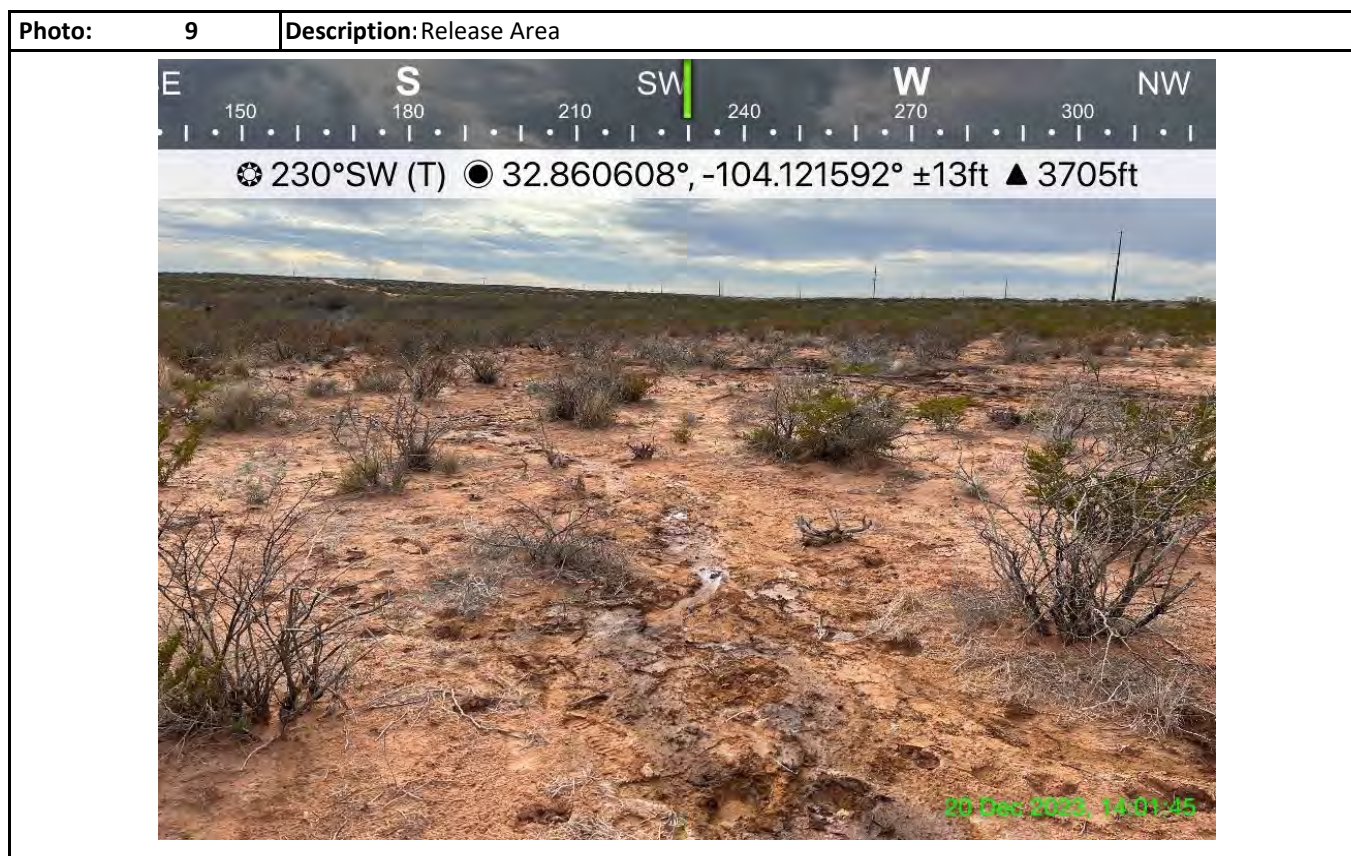
Photographs





Photographs



Photographs



Photographs

Photo: 11	Description: Depth to groundwater test bore - 105 feet bgs - Drilled February 21, 2024
	
Photo: 12	Description: Depth to groundwater test bore - 105 feet bgs - Dry, Plugged February 26, 2024
	

Attachment IV

Field Data

Hungry Horse, LLC

Sample Log

Date: 1-2-24Project: Grizzly Bear State Com #2HLatitude: 32.861346Longitude: -104.121321Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ1	Surf	No	1.6 @ 37X4 = 148	
HZ1	1'		1.2 @ >100	
HZ2	Surf		2.2 @ 60X4 = 240	
HZ2	1'		2.0 @ 52X4 = 208	
HZ3	Surf		1.8 @ 44X4 = 176	
HZ3	1'		2.2 @ 60X4 = 240	
HZ4	Surf		2.0 @ 52X4 = 208	
HZ4	1'		2.6 @ 78X4 = 312	
HZ5	Surf		1.6 @ 37X4 = 148	
HZ5	1'		2.4 @ 68X4 = 272	
HZ6	Surf		1.8 @ 44X4 = 176	
HZ6	1'		2.2 @ 60X4 = 240	
HZ7	Surf		1.6 @ 37X4 = 148	
HZ7	1'		1.4 @ 30X4 = 120	
HZ8	Surf		1.2 >100	
HZ8	1'		2.8 @ 88X4 = 352	
HZ9	Surf		2.6 @ 78X4 = 312	
HZ9	1'		2.4 @ 68X4 = 272	
HZ10	Surf		1.4 @ 30X4 = 120	
HZ10	1'		2.2 @ 60X4 = 240	
HZ11	Surf		1.6 @ 37X4 = 148	
HZ11	1'		2.4 @ 68X4 = 272	
HZ12	Surf		1.8 @ 44X4 = 176	
HZ12	1'		2.6 @ 78X4 = 312	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Date: 1-2-24Project: Grizzly Bear State Com #2HLatitude: 32.861346Longitude: -104.121321Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ 13	Surf		1.40 30X4 = 120	
HZ 13	1'		2.00 52X4 = 208	
HZ 14	Surf		1.60 37X4 = 148	
HZ 14	1'		2.20 60X4 = 240	
HZ 15	Surf		2.00 52X4 = 208	
HZ 15	1'		2.60 78X4 = 312	
HZ 16	Surf		1.80 44X4 = 176	
HZ 16	1'		2.40 68X4 = 272	
SP 1	Surf	High	7.8 H0 3374X4 = 13,496	
	1'	High	7.6 H0 3093X4 = 12,372	
	2'	Little	6.8 H0 2235X4 = 9,180	
	3'	Very Little	7.6 H0 3093X4 = 12,372	
	4'	Yes	7.2 H0 2621X4 = 10,484	
SP 2	Surf	High	7.8 H0 3374X4 = 13,496	
	1'	High	7.6 H0 3093X4 = 12,372	
	2'	Yes	7.4 H0 2844X4 = 11,376	
	3'	Yes	7.0 H0 2419X4 = 9,676	
	4'	Little	4.8 H0 1020X4 = 4,080	
SP 3	Surf	High	7.4 H0 2844X4 = 11,376	
	1'	High	7.6 H0 3093X4 = 12,372	
	2'	No	7.2 H0 2621X4 = 10,484	
	3'	No	6.8 H0 2235X4 = 9,940	
	4'	No	5.4 H0 1298X4 = 5,192	
SP 4	Surf	High	7.6 H0 3093X4 = 12,372	
	1'	High	7.4 H0 2844X4 = 11,376	
	2'	Little	7.0 H0 2419X4 = 9,676	
	3'	No	6.6 H0 2067X4 = 8,268	
	4'	No	5.8 H0 1517X4 = 6,068	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Date: 1-2-24

Project: Grizzly Bear State Com #2H

Latitude: 32.861346

Longitude: -104.121321

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SP5	Surf	High	7.8He 3374X4= 13,496	
	1'	High	7.4He 2844X4= 11,376	
	2'	mid	6.8He 2235X4= 8,940	
	3'	Little	5.4He 1298X4= 5,192	
	4'	No	4.4He 863X4= 3,452	
SP6	Surf	High	7.6He 3093X4= 12,372	
	1'	High	7.2He 2621X4= 10,484	
	2'	mid	6.6He 2067X4= 8,268	
	3'	Little	6.0He 1639X4= 6,556	
	4'	No	5.6He 1404X4= 5,016	
SP7	Surf	High	7.8He 3374X4= 13,496	
	1'	High	7.6He 3093X4= 12,372	
	2'	Little	7.2He 2621X4= 10,484	
	3'	No	6.4He 1913X4= 7,652	
	4'	No	6.0He 1639X4= 6,556	
SP8	Surf	High	8.2He 4059X4= 16,236	
	1'	High	7.4He 2844X4= 11,376	
	2'	Little	7.2He 2621X4= 10,484	
	3'	No	6.6He 2067X4= 8,268	
	4'	No	6.0He 1639X4= 6,556	
SP9	Surf	High	8.8He 5632X4= 22,528	
	1'	High	8.0He 3692X4= 14,768	
	2'	High	7.6He 3093X4= 12,372	
	3'	Little	7.0He 2419X4= 9,676	
	4'	No	6.4He 1913X4= 7,652	
SP10	Surf	High	9.0He 6442X4= 25,768	
	1'	High	8.2He 4059X4= 16,236	
	2'	Little	7.4He 2844X4= 11,376	
	3'	No	7.2He 2621X4= 10,484	
	4'	No	6.8He 2235X4= 8,940	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Hungry Horse, LLC

Date: 1-29-24

GPS: 32.861346, -104.121321

Sampler: Jerry Heidelberg

Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Project: Grizzly Bear State Com #2H

Karst Yes Water <50'

Standard TPH 100mg/kg, Chloride 600mg/kg

Date: _____

GPS: 32.861346, -104.121321

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SP1	6'	Yes	4.4 H@ 762x4 = 3,048	
	8'	No	5.4 H@ 1135x4 = 4,540	
	10'	No	5.0 H@ 972x4 = 3,888	
SP2	6'	No	6.6 H	
	8'	No	4.8 H@ 1020x4 = 4080	
	10'	Yes	5.6 H@ 1404x4 = 5616	
SP3	6'	-	5.0 H@ 972x4 = 3,888	
	8'	No	5.8 H@ 1517x4 = 6068	
	10'	No	5.6 H@ 1404x4 = 5616	
SP4	6'	Yes	5.0 H@ 972x4 = 3,888	
	8'	No	5.0 H@ 972x4 = 3,888	
	10'	No	5.0 H@ 972x4 = 3,888	
SP5	6'	Yes	5.2 H@ 1199x4 = 4,796	
	8'	No	4.2 H@ 791x4 = 3,164	
	10'	No	5.2 H@ 1199x4 = 4,796	
SP6	6'	No	5.8 H@ 1517x4 = 6,068	
	8'	No	6.2 H@	
	10'	No	6.4 H@	
SP7	6'	No	6.0 H@ 1639x4 = 6,556	
	8'	No	6.6 H@ 2067x4 =	
	10'	No	6.8 H@ 2235x4 =	
SP8	6'	Yes	5.8 H@ 1517x4 = 6,068	
	8'	No	5.4 H@ 1135x4 = 4,540	
	10'	No	5.0 H@ 972x4 = 3,888	
SP9	6'	Yes	5.4 H@ 1135x4 = 4,540	
	8'	No	5.2 H@ 1199x4 = 4,796	
	10'	No	6.0 H@ 1639x4 = 6,556	
SP10	6'	Yes	4.8 H@ 897x4 = 3,588	
	8'	No	4.8 H@ 897x4 = 3,588	
	10'	No	9.0 H@ 6149x4 = 24,596	
SP11	12'	Yes	5.0 H@ 972x4 = 3,888	
	14'	No	5.4 H@ 1135x4 = 4,540	
	16'	No	5.2 H@ 1199x4 = 4,796	
	18'	No	5.4 H@ 1135x4 = 4,540	
	20'	No	5.6 H@ 1404x4 = 5616	
SP12	12'	No	5.6 H@ 1404x4 = 5616	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Project: Grizzly Bear State Com #2H

Date: 2-22-24

Karst Yes Water <50'

GPS: 32.861346, -104.121321

Standard TPH 100mg/kg, Chloride 600mg/kg

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SP2	14'		4.8 H @ 1070 x 4 = 4,080	
	16'		6.0 H @ 1639 x 4 = 6,556	
	18'		5.8 H @ 1517 x 4 = 6,068	
	20'		5.8 H @ 1517 x 4 = 6,068	
SP3	12		5.0 H @ 972 x 4 = 3,888	
	14		5.6 H @ 1404 x 4 = 5616	
	16		5.2 H @ 1179 x 4 = 4,796	
	18		5.4 H @ 1135 x 4 = 4,540	
SP4	20		5.8 H @ 1517 x 4 = 6,068	
	12		4.6 H @ 939 x 4 = 3,756	
	14		5.8 H @ 1517 x 4 = 6,068	
	16		5.4 H @ 1135 x 4 = 4,540	
SP5	18		5.2 H @ 1109 x 4 = 4,746	
	20		5.8 H @ 1522 x 4 = 5,288	
	12		5.0 H @ 972 x 4 = 3,888	
	14		5.4 H @ 1135 x 4 = 4,540	
SP6	16		5.6 H @ 1404 x 4 = 5616	
	18		6.0 H @ 1639 x 4 = 6,556	
	20		6.0 H @ 1639 x 4 = 6,556	
SP7				
SP8				

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Project: Grizzly Bear State Com #2H

Karst	Yes	Water	<50'
-------	-----	-------	------

Standard TPH 100mg/kg, Chloride 600mg/kg

Date: 3-5-24

GPS: 32.861346, -104.121321

Sampler: Jerry Heidelberg

[illegible]

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment V

Laboratory Analytical Results



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

January 05, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GRIZZLY BEAR STATE COM #2H

Enclosed are the results of analyses for samples received by the laboratory on 01/03/24 8:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 1 (H240018-01)

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	01/03/2024	ND	1.79	89.7	2.00	12.5	
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1	
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3	
Total BTX	<0.300	0.300	01/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	16800	16.0	01/04/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	8770	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	3370	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 364 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 2 (H240018-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	24000	16.0	01/04/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	8790	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	3720	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 236 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 3 (H240018-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	8660	16.0	01/04/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	19100	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	7120	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 500 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 4 (H240018-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	0.092	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	0.237	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	0.670	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	1.00	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	12800	16.0	01/04/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	12000	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	4440	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 335 % 49.1-148

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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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 5 (H240018-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	8130	16.0	01/04/2024	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	01/03/2024	ND	180	90.0	200	0.0888		
DRO >C10-C28*	16300	50.0	01/03/2024	ND	177	88.3	200	1.89		
EXT DRO >C28-C36	6120	50.0	01/03/2024	ND						

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 653 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 6 (H240018-06)

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	01/03/2024	ND	1.79	89.7	2.00	12.5	
Toluene*	0.065	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	0.158	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1	
Total Xylenes*	0.406	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3	
Total BTX	0.629	0.300	01/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	8400	16.0	01/04/2024	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	14900	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	6210	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 521 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 7 (H240018-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5	
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1	
Total Xylenes*	0.236	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3	
Total BTEX	<0.300	0.300	01/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	97.9	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	21000	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	5980	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 438 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 8 (H240018-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	0.211	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	3840	16.0	01/04/2024	ND	432	108	400	0.00		

TPH 8015M	mg/kg	Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	64.9	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	27300	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	10000	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 1040 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 9 (H240018-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	12400	16.0	01/04/2024	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	144	100	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	74600	100	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	18600	100	01/04/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 2090 % 49.1-148

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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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: SP 10 (H240018-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	0.139	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	9.39	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	9.53	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	23200	16.0	01/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	570	50.0	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	49600	50.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	10900	50.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 174 % 48.2-134

Surrogate: 1-Chlorooctadecane 1620 % 49.1-148

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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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 1 - SURF (H240018-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/04/2024	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	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 1 - 1' (H240018-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/04/2024	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	01/03/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 2 - SURF (H240018-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEx	<0.300	0.300	01/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 2 - 1' (H240018-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 66.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 3 - SURF (H240018-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 3 - 1' (H240018-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 4 - SURF (H240018-17)

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	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 4 - 1' (H240018-18)

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	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888		
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89		
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND						

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 5 - SURF (H240018-19)

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	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/04/2024	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	01/04/2024	ND	180	90.0	200	0.0888	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	177	88.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 5 - 1' (H240018-20)

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	01/03/2024	ND	1.79	89.7	2.00	12.5		
Toluene*	<0.050	0.050	01/03/2024	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	1.79	89.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	5.26	87.6	6.00	12.3		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	01/04/2024	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	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 6 - SURF (H240018-21)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEx	<0.300	0.300	01/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/04/2024	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	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 6 - 1' (H240018-22)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTX	<0.300	0.300	01/03/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	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	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 7 - SURF (H240018-23)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	01/04/2024	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	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 7 - 1' (H240018-24)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/04/2024	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	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 8 - SURF (H240018-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEx	<0.300	0.300	01/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/04/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 66.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 8 - 1' (H240018-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95	
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28	
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16	
Total BTEx	<0.300	0.300	01/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	01/04/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 9 - SURF (H240018-27)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 9 - 1' (H240018-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	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	16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 10 - SURF (H240018-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95	
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28	
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16	
Total BTEX	<0.300	0.300	01/03/2024	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	16.0	16.0	01/04/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 10 - 1' (H240018-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 59.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.2 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 11 - SURF (H240018-31)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTX	<0.300	0.300	01/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 11 - 1' (H240018-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 12 - SURF (H240018-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95	
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28	
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16	
Total BTEx	<0.300	0.300	01/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 12 - 1' (H240018-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEx	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 13 - SURF (H240018-35)

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	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTX	<0.300	0.300	01/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 13 - 1' (H240018-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 14 - SURF (H240018-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95	
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28	
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16	
Total BTEX	<0.300	0.300	01/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/03/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/03/2024	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 14 - 1' (H240018-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEx	<0.300	0.300	01/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Mike Snyder For 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: 01/03/2024
 Reported: 01/05/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: UL/ I SEC 1 T17S - R28E

Sampling Date: 01/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 15 - SURF (H240018-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95	
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81	
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28	
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16	
Total BTEX	<0.300	0.300	01/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2024	ND	174	87.0	200	3.12	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	171	85.7	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 15 - 1' (H240018-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2024	ND	1.95	97.4	2.00	8.95		
Toluene*	<0.050	0.050	01/03/2024	ND	1.99	99.5	2.00	8.81		
Ethylbenzene*	<0.050	0.050	01/03/2024	ND	2.06	103	2.00	8.28		
Total Xylenes*	<0.150	0.150	01/03/2024	ND	6.16	103	6.00	8.16		
Total BTEX	<0.300	0.300	01/03/2024	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	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2024	ND	206	103	200	2.82	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	203	101	200	0.583	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 16 - SURF (H240018-41)

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	01/04/2024	ND	2.07	104	2.00	5.48		
Toluene*	<0.050	0.050	01/04/2024	ND	2.15	108	2.00	1.54		
Ethylbenzene*	<0.050	0.050	01/04/2024	ND	2.25	113	2.00	3.45		
Total Xylenes*	<0.150	0.150	01/04/2024	ND	6.78	113	6.00	3.74		
Total BTX	<0.300	0.300	01/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2024	ND	206	103	200	2.82	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	203	101	200	0.583	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For 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:	01/03/2024	Sampling Date:	01/02/2024
Reported:	01/05/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ I SEC 1 T17S - R28E		

Sample ID: HZ 16 - 1' (H240018-42)

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	01/04/2024	ND	2.07	104	2.00	5.48		
Toluene*	<0.050	0.050	01/04/2024	ND	2.15	108	2.00	1.54		
Ethylbenzene*	<0.050	0.050	01/04/2024	ND	2.25	113	2.00	3.45		
Total Xylenes*	<0.150	0.150	01/04/2024	ND	6.78	113	6.00	3.74		
Total BTX	<0.300	0.300	01/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/04/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2024	ND	206	103	200	2.82	
DRO >C10-C28*	<10.0	10.0	01/04/2024	ND	203	101	200	0.583	
EXT DRO >C28-C36	<10.0	10.0	01/04/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For 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

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: Murchison Oil & Gas	
Project Manager: Daniel Dominguez		Company: Murchison Oil & Gas	
Address: PO Box 1058		Attn: Greg Boans	
City: Hobbs	State: NM	Address: 5325 Sierra Vista	
Phone #: 575 393-3386	Fax #: 575 393-3386	City: Carlsbad	
Project #: 575 393-3386	Project Owner: Murchison Oil & Gas	State: NM	Zip: 88230
Project Name: Grizzly Bear State Com #2H		Phone #: 575 706-0667	Fax #: 575 706-0667
Project Location: U/L I Sec 1 T17S - R28E		PRESERV. SAMPLING	
Sampler Name: Jerry Heidelberg		DATE TIME	
FOR LAB USE ONLY		Chloride	
Lab I.D. Sample I.D.		TPH	
4840018		BTX 8021	
1 SP1		X X X	
2 SP2		X X X	
3 SP3		X X X	
4 SP4		X X X	
5 SP5		X X X	
6 SP6		X X X	
7 SP7		X X X	
8 SP8		X X X	
9 SP9		X X X	
10 SP10		X X X	
Relinquished By: Jerry Heidelberg		Received By: [Signature]	
Date: 1-3-24		Time: 1835	
Relinquished By: [Signature]		Received By: [Signature]	
Date: 1-3-24		Time: 1835	
Delivered By: (Circle One) UPS - Bus - Other: 1.4c		Sample Condition: Cool Intact Yes Yes No No	
Sampler - UPS - Bus - Other: 1.4c		CHECKED BY: [Signature]	
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		REMARKS: Email results to: pm@hungry-horse.com gboans@jdmii.com	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST													
Project Manager: Daniel Dominguez		Company: Murchison Oil & Gas																									
Address: PO Box 1058		Attn: Greg Boans																									
City: Hobbs	State: NM	Zip: 88241	Address: 5325 Sierra Vista																								
Phone #: 575 393-3386	Fax #:	City: Carlsbad		State: NM	Zip: 88230																						
Project #:	Project Owner: Murchison Oil & Gas	State: NM		Zip: 88230																							
Project Name: Grizzly Bear State Cor #2H		Phone #: 575 706-0667																									
Project Location: UL I Sec 1 T17S - R28E		Fax #:																									
Sampler Name: Jerry Heidelberg																											
FOR LAB USE ONLY																											
Lab I.D. Sample I.D.																											
H240018																											
31 HZ11-Surf		G 1																									
32 HZ11-1'		G 1																									
33 HZ12-Surf		G 1																									
34 HZ12-1'		G 1																									
35 HZ13-Surf		G 1																									
36 HZ13-1'		G 1																									
37 HZ14-Surf		G 1																									
38 HZ14-1'		G 1																									
39 HZ15-Surf		G 1																									
40 HZ15-1'		G 1																									
Relinquished By: [Signature]		Date: 1-3-34		Received By: [Signature]		Date: 1-2-24																					
Relinquished By: [Signature]		Date: 1-8-35		Received By: [Signature]		Date: 1-2-24																					
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)																							
Sampler - UPS - Bus - Other: 1.4c		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		gbo																							
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																									
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																									



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

February 01, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GRIZZLY BEAR STATE COM #2H

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 14:34.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 1 - 5' (H240389-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234	
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306	
Total BTEX	<0.300	0.300	01/30/2024	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	6160	16.0	01/30/2024	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	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 2 - 5' (H240389-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234		
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306		
Total BTX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	01/30/2024	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	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 01/29/2024
 Reported: 02/01/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: MURCHISON UL/ I SEC 1 T17S - R28E

Sampling Date: 01/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 - 5' (H240389-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234	
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306	
Total BTX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	01/30/2024	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	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 4 - 5' (H240389-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234		
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306		
Total BTEX	<0.300	0.300	01/30/2024	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	4400	16.0	01/30/2024	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	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 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: 01/29/2024
 Reported: 02/01/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: MURCHISON UL/ I SEC 1 T17S - R28E

Sampling Date: 01/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 5 - 5' (H240389-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234		
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306		
Total BTX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	01/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	22.5	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 6 - 5' (H240389-06)

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	01/30/2024	ND	2.26	113	2.00	0.00234		
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306		
Total BTX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7280	16.0	01/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 7 - 5' (H240389-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234		
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306		
Total BTEX	<0.300	0.300	01/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	01/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 01/29/2024
 Reported: 02/01/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: MURCHISON UL/ I SEC 1 T17S - R28E

Sampling Date: 01/29/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 8 - 5' (H240389-08)

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	01/30/2024	ND	2.26	113	2.00	0.00234		
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306		
Total BTX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	17000	16.0	01/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 9 - 5' (H240389-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	2.26	113	2.00	0.00234	
Toluene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	0.000523	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.27	114	2.00	0.153	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.85	114	6.00	0.306	
Total BTX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16400	16.0	01/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	198	98.9	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	99.9	200	6.69	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	GRIZZLY BEAR STATE COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON UL/ I SEC 1 T17S - R28E		

Sample ID: SP 10 - 5' (H240389-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	7840	16.0	01/30/2024	ND	432	108	400	3.77		

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

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST											
Project Manager: Daniel Dominguez		Company:		Murchison Oil & Gas																					
Address: PO Box 1058		Attn: Greg Boans																							
City: Hobbs		Address: 5325 Sierra Vista																							
Phone #: 575 393-3386		City: Carlsbad																							
Project #:		State: NM																							
Project Name: Grizzly Bear State Com #2H		Zip: 88241																							
Project Location: U/L I Sec 1 T17S - R28E		State: NM																							
Sampler Name: Jerry Heidelberg		Phone #: 575 706-0667																							
FOR LAB USE ONLY		Fax #:																							
Lab I.D. Sample I.D.		Matrix		PRESERV.										SAMPLING											
H240389		(G)RAB OR (C)OMP.																							
1		# CONTAINERS																							
2		GROUNDWATER																							
3		WASTEWATER																							
4		SOIL																							
5		OIL																							
6		SLUDGE																							
7		OTHER :																							
8		ACID/BASE:																							
9		ICE / COOL																							
10		OTHER :																							
SP1-5'		DATE		TIME										Chloride											
SP2-5'		1/29/24												TPH											
SP3-5'		1/29/24												BTEx 8021											
SP4-5'		1/29/24																							
SP5-5'		1/29/24																							
SP6-5'		1/29/24																							
SP7-5'		1/29/24																							
SP8-5'		1/29/24																							
SP9-5'		1/29/24																							
SP10-5'		1/29/24																							
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Relinquished By: [Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																					
Delivered By: (Circle One) <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other		Sample Condition		CHECKED BY: (Initials)																					
Sampler - UPS - Bus - Other		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		[Signature]																					
270		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		[Signature]																					
[Signature]		REMARKS:		Email results to: pm@hungry-horse.com																					
[Signature]		gboans@jdmii.com																							



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

March 07, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GRIZZLY BEAR STATE COM #2H

Enclosed are the results of analyses for samples received by the laboratory on 03/06/24 15:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/06/2024
 Reported: 03/07/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: MURCHISON UL/ I SEC 1 T17S - R28E

Sampling Date: 03/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BH1 - 40' (H241133-01)

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	03/06/2024	ND	1.81	90.4	2.00	5.35	
Toluene*	<0.050	0.050	03/06/2024	ND	1.90	95.0	2.00	5.29	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.87	93.4	2.00	4.92	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.80	96.7	6.00	4.25	
Total BTEx	<0.300	0.300	03/06/2024	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	32.0	16.0	03/07/2024	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	03/06/2024	ND	181	90.6	200	8.72	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	193	96.7	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 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:

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

Received: 03/06/2024
 Reported: 03/07/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: MURCHISON UL/ I SEC 1 T17S - R28E

Sampling Date: 03/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BH2 - 60' (H241133-02)

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	03/06/2024	ND	1.81	90.4	2.00	5.35		
Toluene*	<0.050	0.050	03/06/2024	ND	1.90	95.0	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.87	93.4	2.00	4.92		
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.80	96.7	6.00	4.25		
Total BTEX	<0.300	0.300	03/06/2024	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	112	16.0	03/07/2024	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	03/06/2024	ND	181	90.6	200	8.72	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	193	96.7	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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: 03/06/2024
 Reported: 03/07/2024
 Project Name: GRIZZLY BEAR STATE COM #2H
 Project Number: NONE GIVEN
 Project Location: MURCHISON UL/ I SEC 1 T17S - R28E

Sampling Date: 03/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BH3 - 20' (H241133-03)

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	03/06/2024	ND	1.81	90.4	2.00	5.35	
Toluene*	<0.050	0.050	03/06/2024	ND	1.90	95.0	2.00	5.29	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	1.87	93.4	2.00	4.92	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	5.80	96.7	6.00	4.25	
Total BTEX	<0.300	0.300	03/06/2024	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	64.0	16.0	03/07/2024	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	03/06/2024	ND	181	90.6	200	8.72	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	193	96.7	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 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



Page 6 of 6

Released to Imaging: 4/29/2024 3:24:42 PM

Attachment VI

NMSLO Loamy Sites Seed Mixture

NMSLO Seed Mix**Loamy (L)****LOAMY (L) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (<i>Gaillardia</i>)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
Total PLS/acre		18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.



From: [Cindy Cottrell](#)
To: [Hall, Brittany, EMNRD](#)
Cc: [Powell, Brandon, EMNRD](#); [Smith, Cory, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Romero, Rosa, EMNRD](#)
Subject: RE: [EXTERNAL] Grizzly 2H nAPP2335450194 (NMOCD ID 322005 3/11/24)
Date: Tuesday, April 16, 2024 3:09:43 PM
Attachments: [image001.png](#)

Hi,

I just forwarded this to Daniel Dominguez with Hungry Horse and he will get back to you with this information soon.

Also wanted to let you know that I submitted the revised dig and haul plan for Ogden 5H today (ID 330396). Tami Knight with SLO was reviewing the Ogden 5A plan today and as soon as we have approval from SLO we are ready to get started.

Thanks for your help!

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Tuesday, April 16, 2024 3:58 PM
To: Cindy Cottrell <ccottrell@jdmii.com>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Romero, Rosa, EMNRD <RosaM.Romero@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Grizzly 2H nAPP2335450194 (NMOCD ID 322005 3/11/24)

Hi Cindy,

I apologize for it taking me so long to get back to you on this, but I have reviewed the remediation plan for the Grizzly Bear State Com #2H (nAPP2335450194) submitted under application ID 322005.

I need some additional information prior to either approving or rejecting this plan. Can you or your consultant send me via email:

- The log that accompanies the boring that was drilled to 105' to determine depth to water at the site, and
- The clearly defined sampling procedures for the field screening pursuant to 19.15.29.11(5)(d).

If you could please have this information to me within 30 days, I would appreciate it.

Please let me know if you have any questions or require any additional information.

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Cindy Cottrell <ccottrell@jdmii.com>
Sent: Wednesday, April 10, 2024 1:42 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Subject: [EXTERNAL] Grizzly 2H nAPP2335450194 (NMOCD ID 322005 3/11/24)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Brittany,

SLO approved the Grizzly 2H remediation workplan (with COAs including OCD approval) today. Can you give me a status update on where this one is in the OCD review process?

Thanks!



Cindy Cottrell
Regulatory Coordinator & Corporate Secretary
7250 Dallas Parkway, Suite 1400
Plano, TX 75024
Direct Line: 469-573-6413

From: [Daniel Dominguez](#)
To: [Hall, Brittany, EMNRD](#)
Cc: [Cindy Cottrell](#); [Greg Boans](#); [Smith, Cory, EMNRD](#); [Powell, Brandon, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Romero, Rosa, EMNRD](#)
Subject: RE: [EXTERNAL] Grizzly 2H nAPP2335450194
Date: Thursday, April 25, 2024 4:12:15 PM

Brittany,

The following field screening procedures were followed for each sample:

1. Soil samples are collected into ziplock bags, sealed, and placed on the tailgate, or hood, in sun to warm up.
2. Samples are allowed to warm for a few minutes, then opened and held to the nose to detect any hydrocarbon odor. Noted on field log as no, yes, little, etc. If odor is used it should be circled on that column.
3. A clean, empty sample jar is then placed on a digital pocket scale and scale tared to zero.
4. 25 grams of soil from a selected sample bag is scooped into jar on scale using a clean scoop. Scoop is wiped off after use.
5. 100 mL of distilled water is then added to soil in jar. Jar is sealed and shaken to mix, then allowed to settle.
6. When most of the soil has settled in the jar, the jar is opened and cone filter paper placed over jar opening.
7. When water has filtered through paper one Hach Quantab chloride test strip is placed in water.
8. When test strip is saturated and completion band has turned black the strip can be read.
9. Chloride concentration is determined by reading the tip of the white section on the strip. This provides the Quantab scale unit.
10. Convert Quantab scale unit to chloride concentration using conversion table on the side of each Quantab strip container.
11. This number is then multiplied by 4 to account for the dilution factor. 25 grams of soil in 100 mL of water.
12. The resulting number provides an approximation of the chloride concentration in the soil sample in mg/kg.
13. The jar is then rinsed out into waste bag or bin with distilled water and dried.
14. This procedure is repeated with each sample.

There are two levels of test strips, low and high. If the tip of the white section on the strip reaches the top of the low level strip before the completion band turns black, a high level strip is placed in the test water. When the completion band on the high strip turns black, the strip is read and scale unit converted in the same way as the low level strip. On the field notes use of the high level strip is identified by the 'H' after the scale number, 6.0H@1639x4=6,556. The first number is the strip reading, the letter designates a high level strip was used, the second number is the conversion number from the side of the strip bottle, this number is multiplied by 4, the resulting number is the approximate chloride concentration.

This is not an exact number, nor is it fool proof, but it provides us with enough information to know if we need to keep delineating. If a high strip is used we keep delineating, if a low strip is used and

the reading converts to a number that is 500 or less, we know we can jar that sample for laboratory analysis and the results will more than likely be less than 600 mg/kg. Also, if any hydrocarbon odor is detected, we keep delineating, even if the chloride number is below 500 mg/kg.

No permit was filed with the OSE for the depth to groundwater boring as the OSE no longer requires a permit if groundwater is not expected to be encountered. If water is encountered or is expected to be encountered, they require a permit. Murchison was reasonably sure water would not be encountered so no permit was sought. Water was not encountered and the bore was plugged.

Let me know if you need any more information.

Thank you,

Daniel Dominguez
Environmental Manager
Hungry Horse, LLC
(m) 575-408-3134
ddominguez@hungry-horse.com

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Wednesday, April 24, 2024 3:52 PM
To: Daniel Dominguez <ddominguez@hungry-horse.com>
Cc: Cindy Cottrell <ccottrell@jdmii.com>; Greg Boans <gboans@jdmii.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Romero, Rosa, EMNRD <RosaM.Romero@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Grizzly 2H nAPP2335450194

Daniel,

Could you please provide additional information on the procedures for the field screening? What are the steps taken to field screen for PID/Odor and chloride? How are the samples prepared in the field?

I assume odor was used as the results on the field sheet are "high, little, yes, no, mid, etc." but if you could clarify that, I would appreciate it. The field screening chloride results include information such as [6.0H@1639x4=6.556](#). Could you explain this? What does 6.0H mean? What does the multiple of 4 mean? What are the units of the results? Provide any calculations and any additional pertinent information for the field screening.

Also, was a permit filed with the OSE for the depth to water boring? If a permit was filed, please include a copy.

Thank you,

Brittany Hall ● Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

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From: Daniel Dominguez <ddominguez@hungry-horse.com>

Sent: Wednesday, April 24, 2024 1:52 PM

To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Cc: Cindy Cottrell <ccottrell@jdmii.com>; Greg Boans <gboans@jdmii.com>

Subject: [EXTERNAL] Grizzly 2H nAPP2335450194

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Brittany,

Field samples were collected according to the following procedure:

1. Collect surface samples with small hand held shovel. Soil was cleaned off of shovel between collecting each sample.
2. Advance hand auger to one foot bgs and slowly remove from hole. Hungry Horse EnvTech collected soil sample from auger cup and removed remaining soil from auger.
3. Returned to the hole and advanced the auger to two-feet bgs and slowly removed auger from hole. Hungry Horse EnvTech collected soil sample from auger cup and removed remaining soil from auger.
4. Repeat same process for sample collection at one foot intervals until field chloride screening indicates chloride concentrations are below NMOCD Closure Criteria.
5. Backfill hole with remaining cuttings using a shovel.
6. Repeat same process at each sample location.
7. Two soil samples per sample location, surface and final sample depth, were jarred, preserved on ice, and submitted to Cardinal Labs in Hobbs, NM.

Let me know if you need any more information.

Thank you,

Daniel Dominguez
Environmental Manager
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(m) 575-408-3134
ddominguez@hungry-horse.com

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QUESTIONS

Action 322005

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	322005
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2335450194
Incident Name	NAPP2335450194 GRIZZLY BEAR STATE COM 2H @ 30-015-40042
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-40042] GRIZZLY BEAR STATE COM #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GRIZZLY BEAR STATE COM 2H
Date Release Discovered	12/20/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 6 BBL Recovered: 0 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 14 BBL Recovered: 0 BBL Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 322005

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:	15363
	Action Number:	322005
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	No recoverable liquids on surface at time of discovery.

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: 01/03/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 322005

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	322005
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 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 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)	27000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	93344
GRO+DRO	(EPA SW-846 Method 8015M)	74744
BTEX	(EPA SW-846 Method 8021B or 8260B)	9.5
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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

On what estimated date will the remediation commence	04/01/2024
On what date will (or did) the final sampling or liner inspection occur	05/01/2024
On what date will (or was) the remediation complete(d)	05/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	16000
What is the estimated volume (in cubic yards) that will be remediated	3000

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 322005

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:	15363
	Action Number:	322005
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Variance request for use of 20-mil Geosynthetic Clay liner (see attached)

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

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

I hereby agree and sign off to the above statement	Name: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 03/11/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------------------

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

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QUESTIONS, Page 5

Action 322005

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 322005
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 322005

QUESTIONS (continued)

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 322005
	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 322005

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:
	15363
	Action Number:
	322005
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan approved with conditions.	4/29/2024
bhall	The release is located in a High Karst Potential Occurrence Zone and must be closed to most stringent closure criteria.	4/29/2024
bhall	OCD will not consider a liner variance request at this time. Due to the erosional features apparent on the figures and Google Earth aerials, OCD will require the excavation to be completed to a minimum of 10 feet below ground surface (bgs). The base will need to be reassessed with the confirmation sample data and if a liner is deemed necessary in certain areas, a variance will need to be proposed at that time. Shallower areas that have soil confirmation laboratory analytical results that meet the most stringent closure criteria will not require a variance request.	4/29/2024
bhall	Confirmation samples must be collected from the base and sidewalls of the remedial excavation. Confirmation samples must be representative of no more than 200 square feet.	4/29/2024
bhall	The site will need to be reclaimed at time of remediation as it is in an area considered not reasonably needed for production or subsequent drilling activities. The reclamation can be submitted with OR separately from the Remediation Closure Report.	4/29/2024
bhall	The reclamation report will need to include the executive summary of the reclamation activities; scaled site map including sampling locations; analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; at least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/29/2024
bhall	Pursuant to 19.15.29.12 D.(1)(a) NMAC, ensure the C-141N (Notification of Sampling) application is completed on the OCD Permitting website at least 2 business days prior to collecting remediation confirmation samples.	4/29/2024
bhall	Approval of this C-141 remediation plan is only applicable for incident nAPP2335450194 and is not applicable to any other incident number.	4/29/2024
bhall	The approval of this 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.	4/29/2024
bhall	A complete remediation closure report and/or reclamation report pursuant to 19.15.29 NMAC will need to be submitted by 7/29/2024. Failure to submit a complete remediation closure report and/or reclamation report by 7/29/2024 is subject to compliance and enforcement penalties pursuant to 19.15.5 NMAC.	4/29/2024