



Remediation Summary and Closure Request

Energex, LLC

Lucas Fee #1

Chaves County, New Mexico

Unit Letter "K", Section 24, Township 8 South, Range 33 East

Latitude 33.605541 North, Longitude 103.519656 West

NMOCD Incident # nAPP2411639976

Prepared For:

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Prepared By:

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August 2024

Handwritten signature of Bradley Wells in black ink.

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HUNGRY HORSE, LLC

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

Background:

The site is located in Unit Letter K (NE/SW), Section 24, Township 8 South, Range 33 East, approximately 27 miles Northwest of Tatum, in Chaves County, New Mexico. The property is located on private 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 tank battery; Latitude 33.605541 North, Longitude 103.519656 West. The NMOCD Form C-141 indicated that on March 9, 2023 approximately twenty-six bbls of crude oil was released due to an unknown cause. No fluid was recovered. The release occurred within the tank battery containment; however, the NMOCD also identified an area outside the containment affected by the release. A small area appeared to have overflowed the berm while a larger area appeared to be overspray. 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 not 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. Therefore, the site will be remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

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

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of reclamation. Web Soil Survey indicates the area is located in the Amarose-Douro loamy fine sands comprised of loamy fine sand and sandy clay loam soils with 0 to 3 percent slopes. Landowner approved seed mixture will be utilized for seeding the area after reclamation activities are complete. Karst, Wetland, and Soil Maps are provided as Attachment I. Landowner approved seed mixture provided as Attachment VII.



Delineation and Remediation Activities:

On May 16, 2024, Hungry Horse conducted an initial site assessment consisting of photographing, mapping, and delineating the release area outside the containment. During delineation activities, sample test trenches were advanced within the release area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches 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 test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit. At this time the overspray area was also field screened for the presence of chlorides. Field screen results indicated chloride concentrations were below NMOCD Closure Criteria.

Based on field observations and field test data noted above and provided in Attachment V, fourteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 and SP2, HZ1 through HZ5, 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 submitted sample, with the exception of SP1 and SP2, each at Surface, which exhibited TPH concentrations in excess of NMOCD Closure Criteria.

The liner was power washed on May 31, 2024. On June 3, 2024, Hungry Horse, LLC notified NMOCD that a liner inspection would be conducted on June 7, 2024. On June 7, 2024, Hungry Horse personnel arrived on location to inspect the liner. It was noted that it had rained the night before, leaving some standing water within the lined containment area. The liner and containment were thoroughly inspected from edge to edge, as well as around the tanks and process equipment installed on the liner itself. The liner was found to be in place, intact, with no visible breaks, or tears. There was no evidence of the release leaking through the lined containment area. Photographs are provided as Attachment III and a completed Liner Inspection Form as Attachment V.

From June 26-27, 2024, the release area was excavated. Excavated contaminated soil was temporarily stockpiled onsite, within the excavated area, before transport to an NMOCD approved disposal facility.

On June 27, 2024, Hungry Horse, LLC notified NMOCD that closure samples would be collected on July 1, 2024.

On July 1, 2024, forty-eight composite confirmation soil samples were collected from the excavation floor, sidewalls, and overspray area, with each sample representing no more than 200 square feet. Soil samples FL1 through FL9, SW1 through SW3, and OS1 through OS36, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below NMOCD Closure Criteria in each submitted sample.



The excavated area measured approximately eighteen hundred square feet, and three feet in depth. During remediation activities approximately 200 yds of contaminated soil was excavated and hauled to an NMOCD approved disposal facility.

A Delineation Sample Map and Excavation Floor Sample Map are provided as Figure 4 and Figure 5, respectively. A Summary of Soil Sample Laboratory Analytical Results are provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

Restoration, Reclamation, and Re-Vegetation:

As the area is not reasonably needed for production operations, the area was reclaimed according to 19.15.29.13 NMAC. Based upon laboratory analytical results from confirmation soil samples, the excavation was backfilled with locally sourced, clean, non-impacted soil. The soil cover included a top layer, one foot deep, backfilled with locally sourced, clean, non-impacted topsoil to provide suitable material to establish vegetative growth. The area was then contoured the site's existing grade to prevent ponding of water and erosion of the cover material.

The affected area was seeded, via hand broadcast at double the recommended rate, with landowner approved seed mixture, free of noxious weeds, on August 16, 2024. The reclaimed areas have been watered to aid in seed germination. A re-vegetation report will be submitted for approval when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds.

Closure Request:

Remediation activities, and liner inspection, were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results and a thorough liner inspection, Energex, LLC respectfully requests closure of the Lucas Fee #1 location, nAPP2411639976.

Limitations:

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



Distribution:

Energex, LLC

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New Mexico Energy, Minerals and Natural Resources Department

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

Shannon Kizer

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Pep, NM 88126

Figures

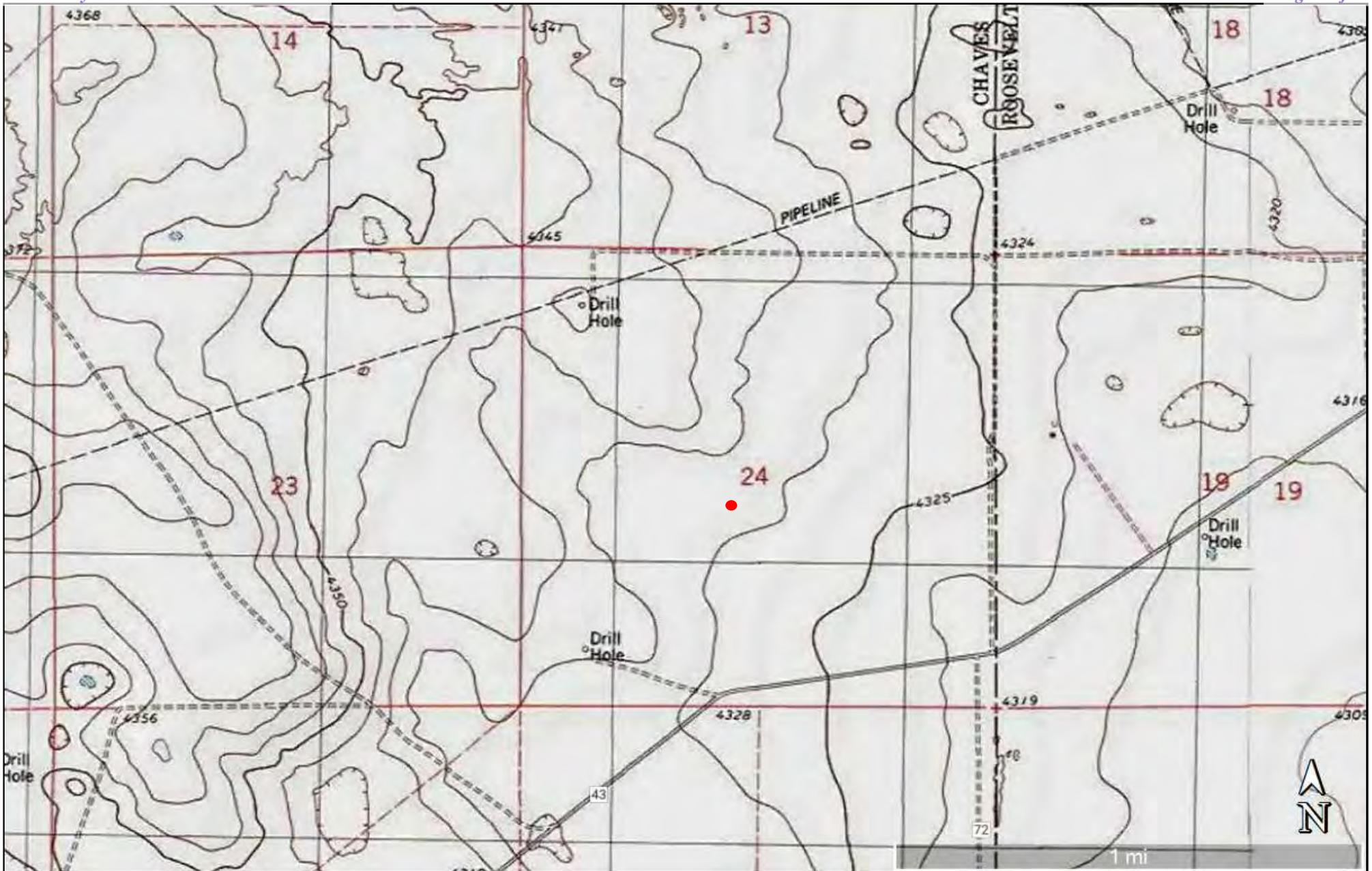


Figure 1
 Topographic Map
 Energex, LLC
 Lucas Fee #1
 GPS: 33.605541, -103.519656
 Chaves County

Legend:
 ● Lucas Fee #1 Location

Drafted: dd
 Checked: bw
 Date: 5/15/24



The logo for Hungry Horse Environmental & Construction features a stylized 'HH' in a red circle with the company name around it.



1:9,028

Figure 2

OSE POD Locations Map
Energex, LLC
Lucas Fee #1
GPS: 33.605541, -103.519656
Chaves County

Legend:

● Lucas Fee #1 Location



Drafted: dd
Checked: bw
Date: 5/15/24



Figure 3

USGS Well Locations Map
Energex, LLC
Lucas Fee #1
GPS: 33.605541, -103.519656
Chaves County

Legend:

● Lucas Fee #1 Location

Drafted: dd
Checked: bw
Date: 5/15/24





Figure 4

Proposed Delineation Sample Map
 Energex, LLC
 Lucas Fee #1
 GPS: 33.605541, -103.519656
 Chaves County

Legend:

- Release Areas
- Overspray Area
- SP1 Vertical Delineation Sample Location
- FT1 Field Test Delineation Sample Location

Drafted: dd
 Checked: bw
 Date: 5/15/24



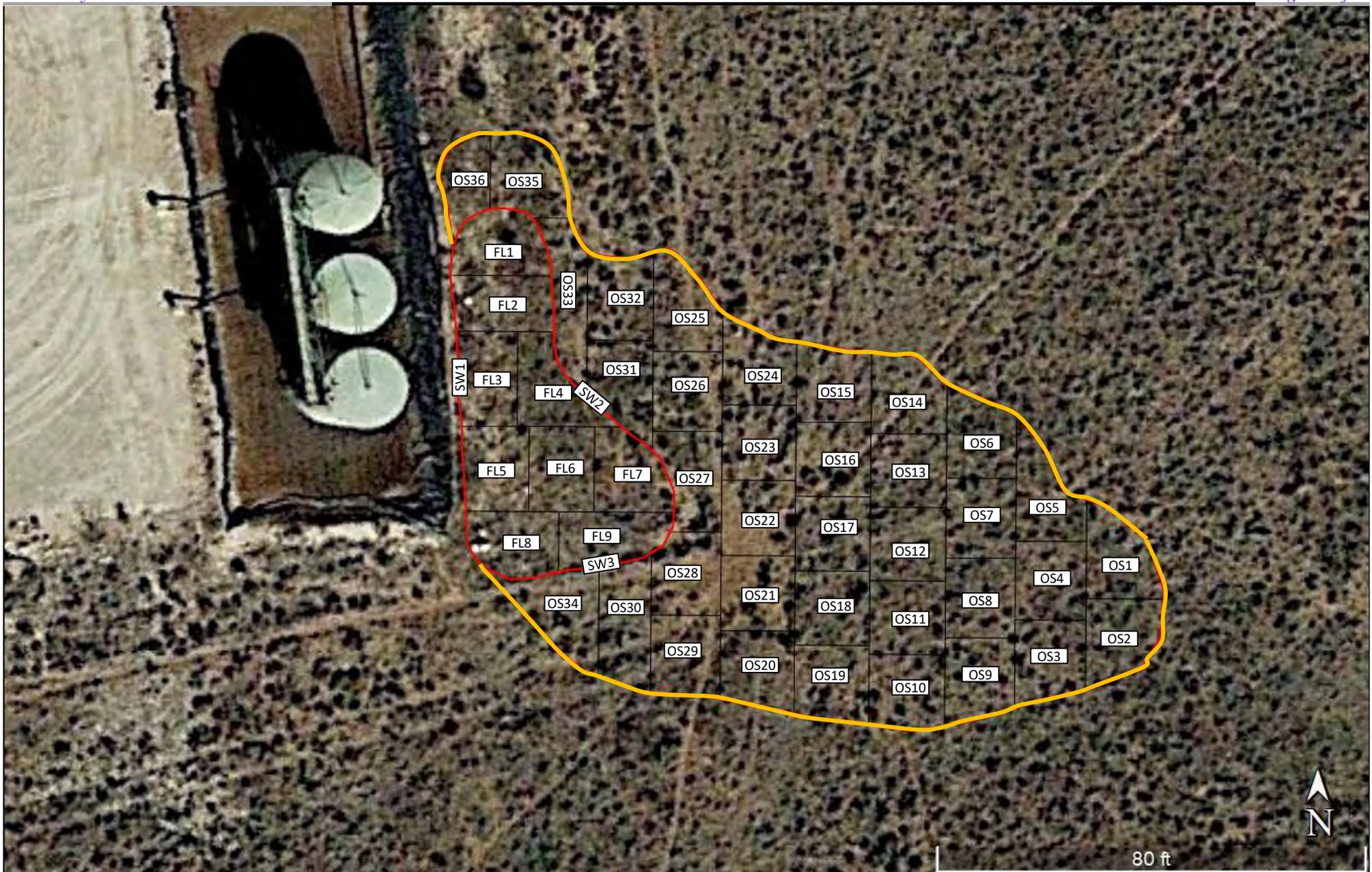


Figure 5

Excavation Sample Map

Energex, LLC

Lucas Fee #1

GPS: 33.605541, -103.519656

Chaves County

Legend:

- Excavated Area
- 200 Square Foot Sample Areas
- Unexcavated Overspray Area
- FL1 Composite Confirmation Sample Location

Drafted: dd
 Checked: bw
 Date: 6/28/24



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Energex, LLC
Lucas Fee #1
NMOCD Ref. #: nAPP2411639976

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	5/16/24	Surf	Excavated	<0.050	<0.300	<10.0	11,400	11,400	1,370	12,770	32.0
	5/16/24	3	Excavated	<0.050	<0.300	<10.0	31.7	31.7	<10.0	31.7	32.0
SP2	5/16/24	Surf	Excavated	<0.050	<0.300	<10.0	6,310	6,310	955	7,265	<16.0
	5/16/24	3	Excavated	<0.050	<0.300	<10.0	45.9	45.9	<10.0	45.9	<16.0
HZ1	5/16/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	5/16/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ2	5/16/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	5/16/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ3	5/16/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	5/16/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	5/16/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	5/16/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ5	5/16/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	5/16/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL1	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL2	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	71.1	71.1	14.7	85.8	16.0
FL4	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL5	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL6	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL7	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL8	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL9	7/1/24	3	In-Situ	<0.050	<0.300	<10.0	17.8	<20.0	<10.0	<30.0	<16.0
SW1	7/1/24	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	7/1/24	0-3	In-Situ	<0.050	<0.300	<10.0	13.4	<20.0	<10.0	<30.0	16.0
SW3	7/1/24	0-3	In-Situ	<0.050	<0.300	<10.0	10.5	<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
Energex, LLC
Lucas Fee #1
NMOCD Ref. #: nAPP2411639976

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)
OS1	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS2	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS3	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS4	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS5	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS6	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS7	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS8	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS9	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS10	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS11	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS12	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS13	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS14	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS15	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS16	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS17	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS18	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS19	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS20	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS21	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS22	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS23	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS24	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS25	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS26	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS27	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS28	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS29	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
OS30	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS31	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS32	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS33	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
OS34	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
OS35	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS36	7/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
Topsoil	8/5/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
Caliche	8/5/24	Surf	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

Lucas Fee #1



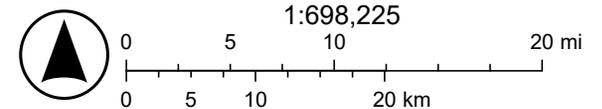
7/19/2024

- | | |
|---|---|
| Karst Type | ■ Volcanic |
| ■ Carbonate | World Imagery |
| ■ Erosional | Low Resolution 15m Imagery |
| ■ Gypsum | 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



Lucas Fee #1



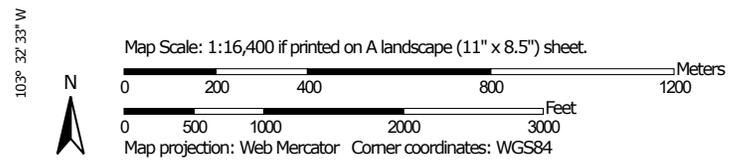
July 19, 2024

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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—Chaves County, New Mexico, Northern Part
(Lucas Fee #1)



Soil Map—Chaves County, New Mexico, Northern Part
(Lucas Fee #1)

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 1:24,000.

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: Chaves County, New Mexico, Northern Part
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: Feb 5, 2021—Feb 8, 2021

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
DUA	Douro-Faskin, moist association, gently undulating	43.1	3.7%
FSA	Amarose-Douro loamy fine sands, 0 to 3 percent slopes	1,111.3	96.1%
NJC	Penwell-Jalmar fine sands, 0 to 12 percent slopes	1.5	0.1%
Totals for Area of Interest		1,155.9	100.0%

Map Unit Description: Amarose-Douro loamy fine sands, 0 to 3 percent slopes---Chaves County, New Mexico, Northern Part

Lucas Fee #1

Chaves County, New Mexico, Northern Part

FSA—Amarose-Douro loamy fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 308qq
Elevation: 2,500 to 4,600 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Amarose

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits from the blackwater draw formation of pleistocene age

Typical profile

A - 0 to 9 inches: loamy fine sand
Bt1 - 9 to 32 inches: sandy clay loam
Bt2 - 32 to 39 inches: fine sandy loam
Btk - 39 to 80 inches: loam

Properties and qualities

Slope: 0 to 3 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 to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 55 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.9 inches)

Map Unit Description: Amarose-Douro loamy fine sands, 0 to 3 percent slopes---Chaves
County, New Mexico, Northern Part

Lucas Fee #1

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Description of Douro

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits from the blackwater draw
formation of pleistocene age

Typical profile

A - 0 to 8 inches: loamy fine sand
Bt1 - 8 to 16 inches: sandy clay loam
Bt2 - 16 to 30 inches: sandy clay loam
Bkkm - 30 to 40 inches: cemented material
2BCkk - 40 to 80 inches: very gravelly loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 39 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low
to low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 5.0
mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Minor Components

Jalmar

Percent of map unit: 6 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear

Map Unit Description: Amarose-Douro loamy fine sands, 0 to 3 percent slopes---Chaves County, New Mexico, Northern Part

Lucas Fee #1

Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Delphos

Percent of map unit: 5 percent
Landform: Plains, draws
Landform position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Linear
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 4 percent
Landform: Plains, playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Chaves County, New Mexico, Northern Part
Survey Area Data: Version 19, Sep 7, 2023

Attachment II NMOCD Correspondence

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

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

QUESTIONS

Action 350302

QUESTIONS

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 350302
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2411639976
Incident Name	NAPP2411639976 LUCAS FEE #1 @ 30-005-29212
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-005-29212] LUCAS FEE #001

Location of Release Source	
Site Name	Lucas Fee #1
Date Release Discovered	03/09/2023
Surface Owner	Private

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	6,300
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	06/07/2024
Time liner inspection will commence	08:00 AM
Please provide any information necessary for observers to liner inspection	33.605395, -103.519250
Please provide any information necessary for navigation to liner inspection site	FROM NM-206 & CR-258, GO W ON CR-258 4.97MI, TRN N STAYING ON CR-258 1 MI, TRN W STAYING ON CR-258 1.99MI, TRN S ON UNNAMED CALICHE RD 5.84MI, TRN N 0.38MI TO THE LOCATION

District I
 1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 350302

CONDITIONS

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 350302
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
mlilley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	6/3/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
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 811 S. First St., Artesia, NM 88210
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 359276

QUESTIONS

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 359276
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2411639976
Incident Name	NAPP2411639976 LUCAS FEE #1 @ 30-005-29212
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-005-29212] LUCAS FEE #001

Location of Release Source	
Site Name	Lucas Fee #1
Date Release Discovered	03/09/2023
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,000
What is the estimated number of samples that will be gathered	48
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/01/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639 9 Floor samples, 3 Sidewall samples, 36 Overspray area samples
Please provide any information necessary for navigation to sampling site	33.605541, -103.519656

District I
 1625 N. French Dr., Hobbs, NM 88240
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 359276

CONDITIONS

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 359276
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

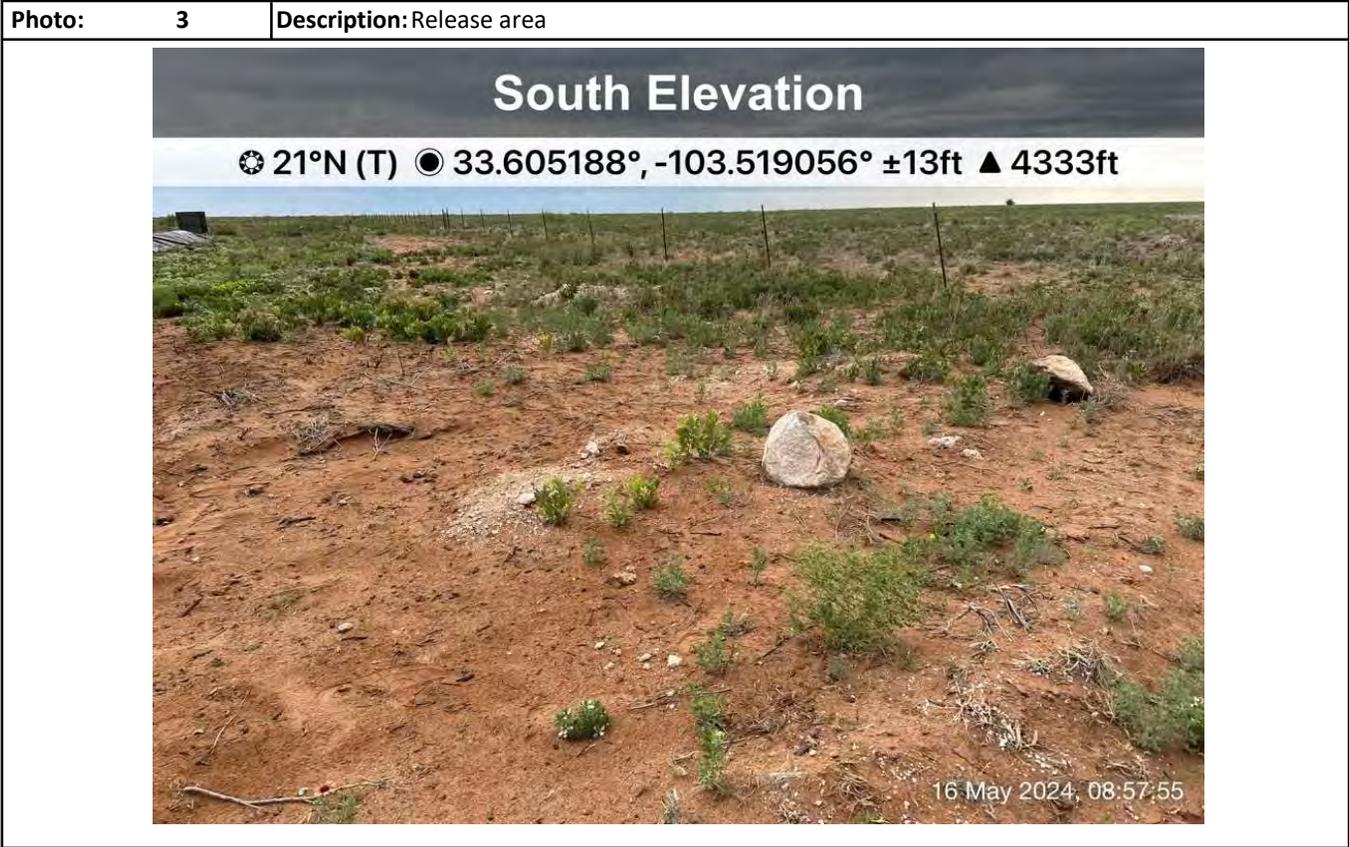
Created By	Condition	Condition Date
mlilley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/27/2024

Attachment III Site Photographs

Photographs



Photographs



Photographs

Photo:	5	Description: Liner Inspection - note water from overnight storm
---------------	----------	--

North West Elevation

☉ 147°SE (T) ● 33.605634°, -103.519345° ±13ft ▲ 4343ft



07 Jun 2024, 07:40:33

Detailed description: This photograph shows an industrial site with a large black liner covering the ground. In the center, there is a tall, cylindrical piece of equipment with various pipes and valves. To the right, a white storage tank is visible. The ground is wet, with puddles of water reflecting the sky, indicating recent rain. The background shows a flat, open landscape under a clear sky.

Photo:	6	Description: Liner Inspection - note water from overnight storm
---------------	----------	--

West Elevation

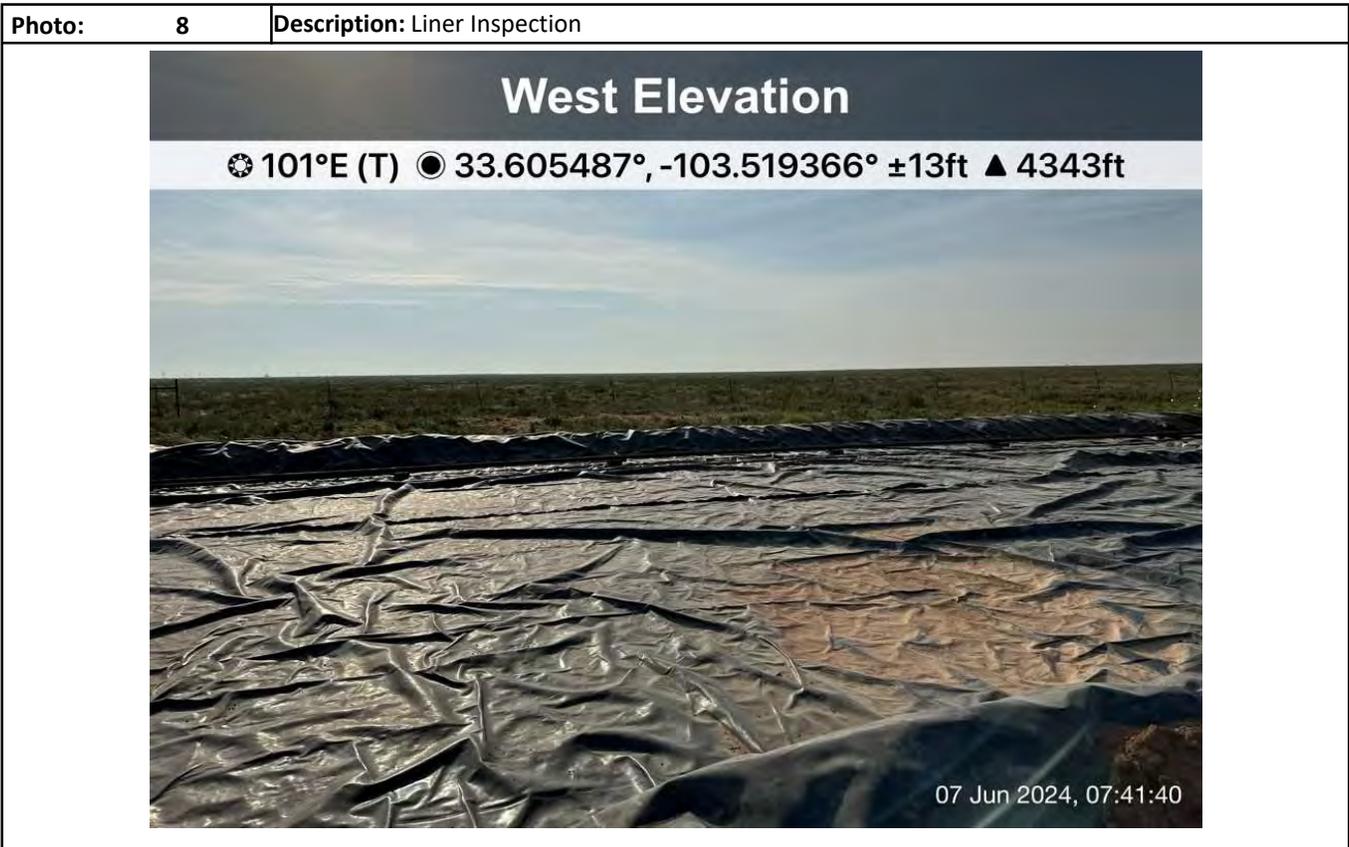
☉ 70°E (T) ● 33.605551°, -103.519380° ±13ft ▲ 4341ft



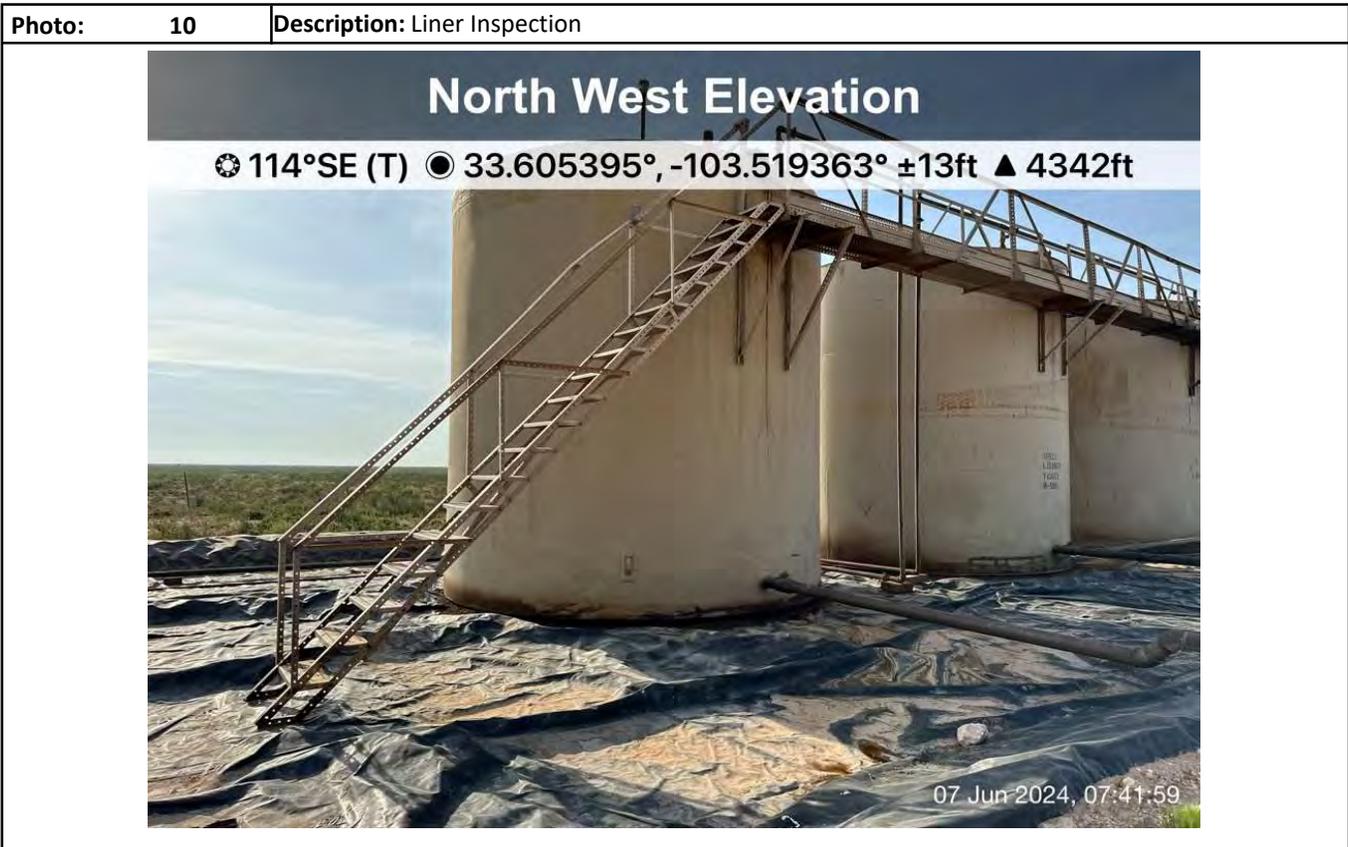
07 Jun 2024, 07:41:16

Detailed description: This photograph provides a different view of the same industrial site. It shows a large cylindrical tank in the foreground, with a ladder and pipes extending upwards. The black liner is visible, and there are puddles of water on the ground. In the background, another white storage tank and the flat landscape are visible under a clear sky.

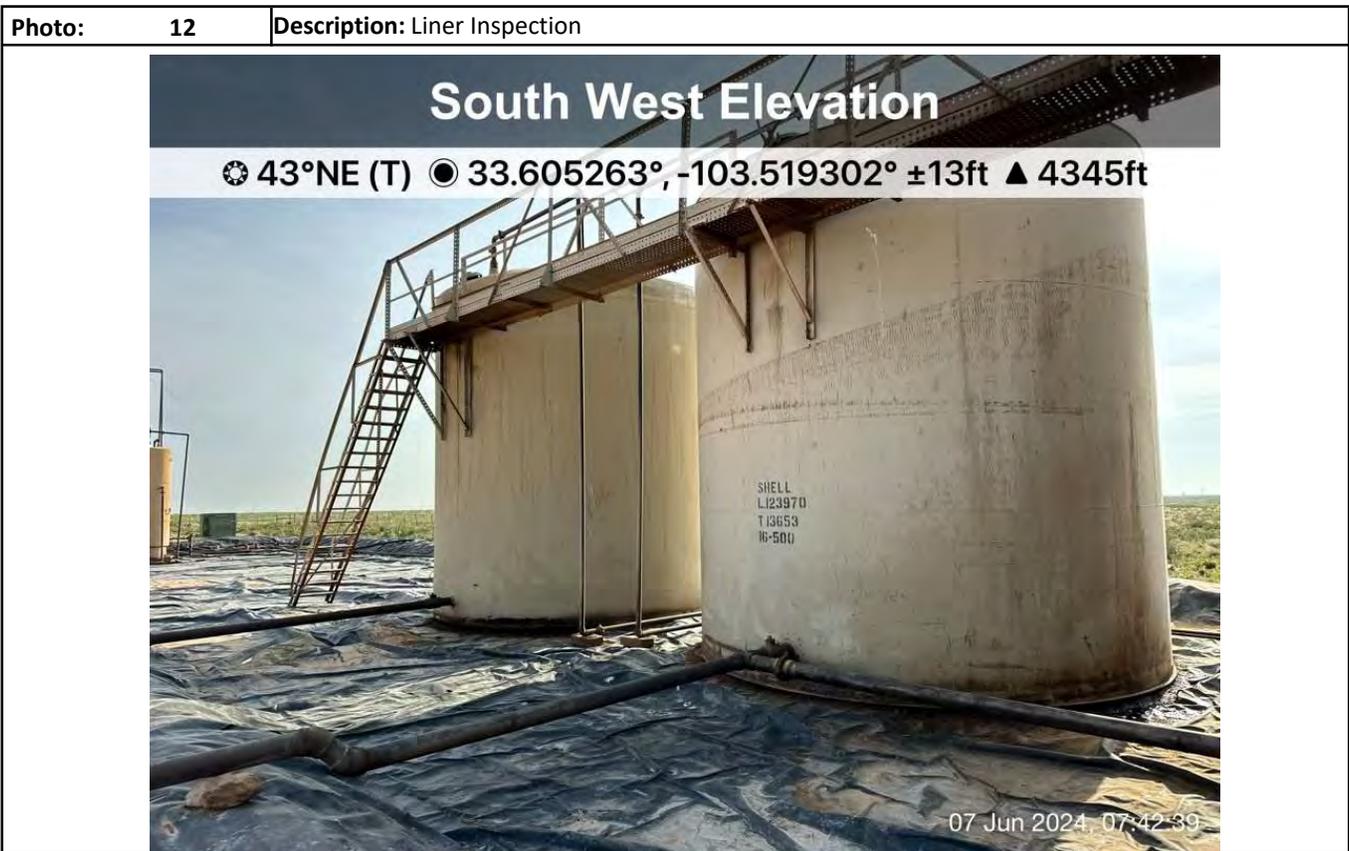
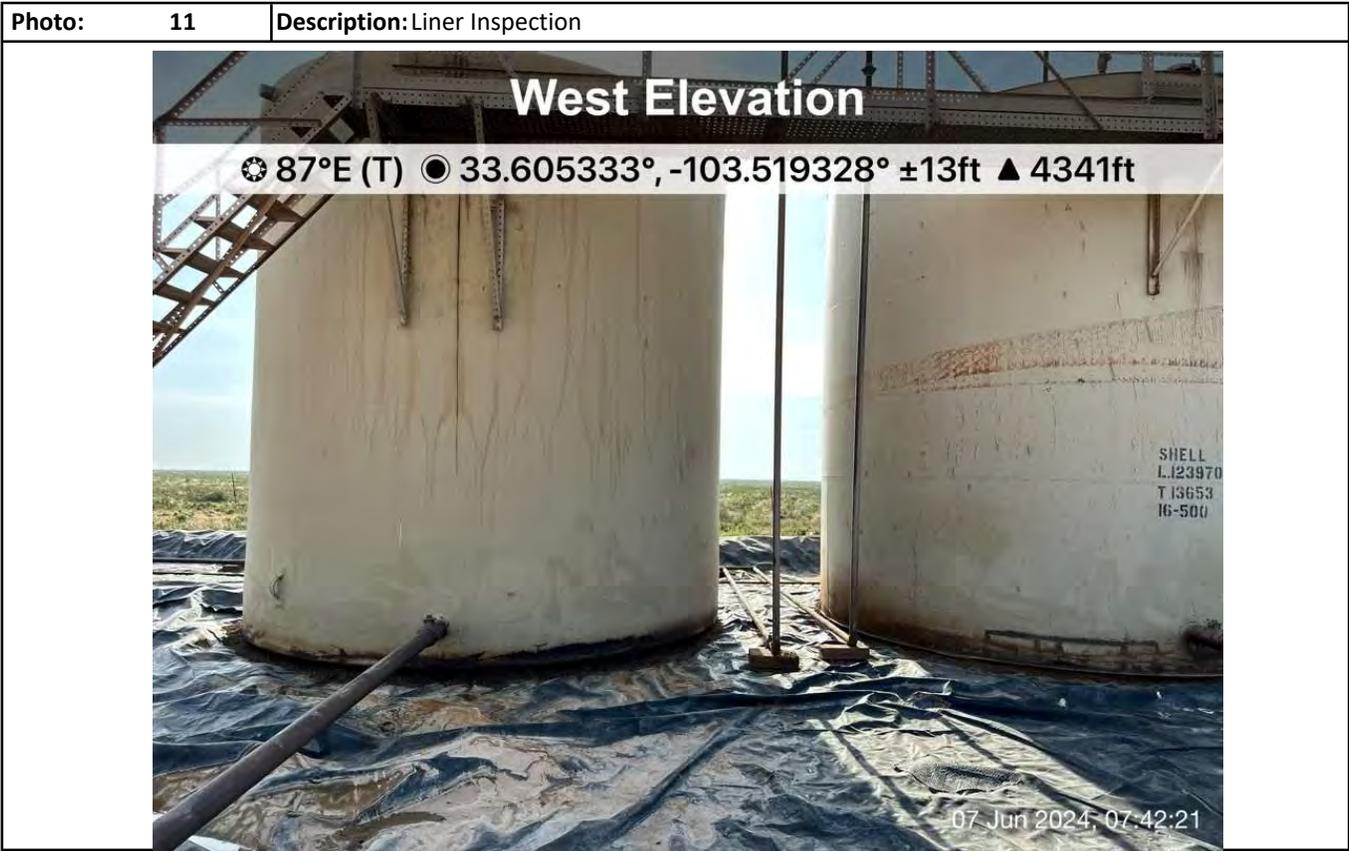
Photographs



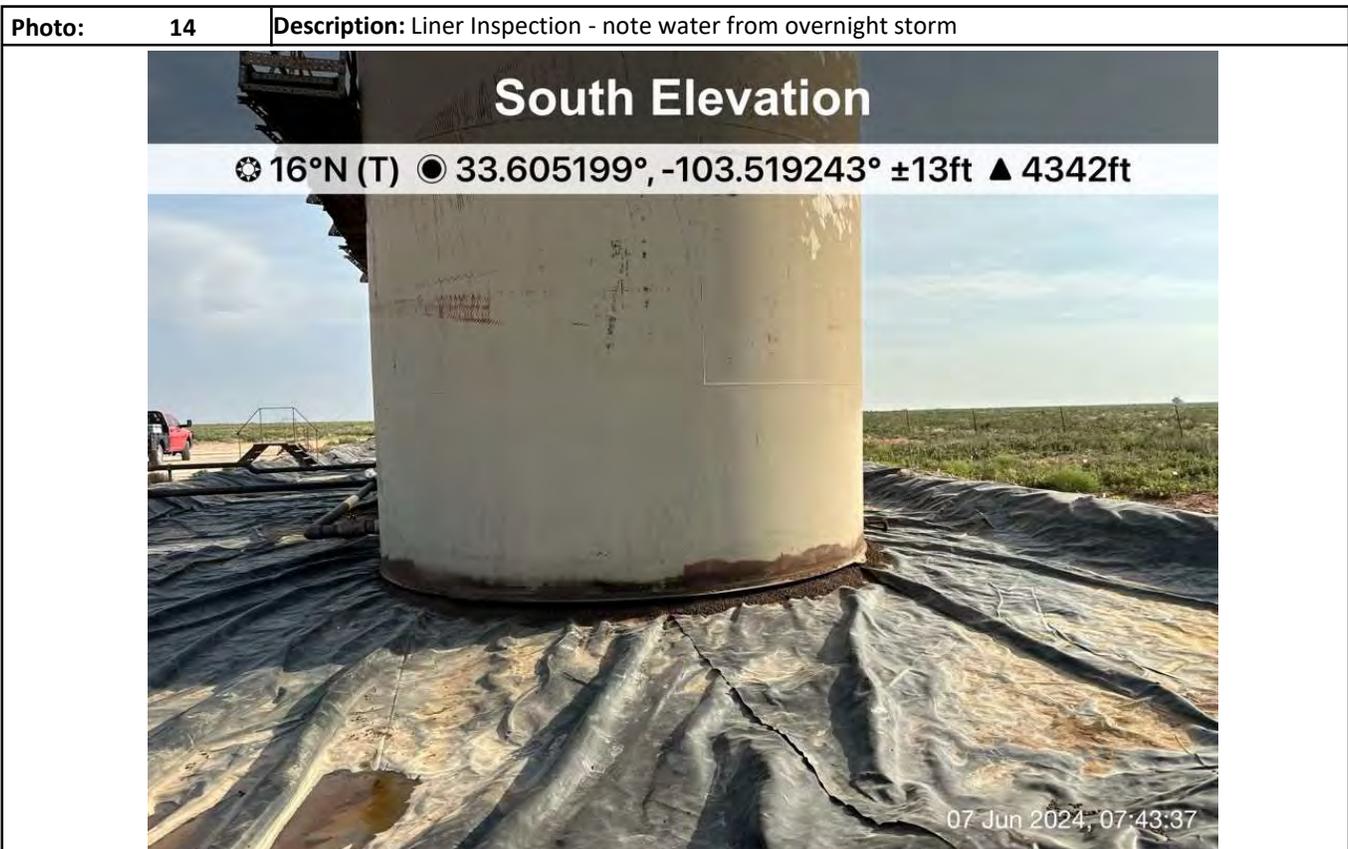
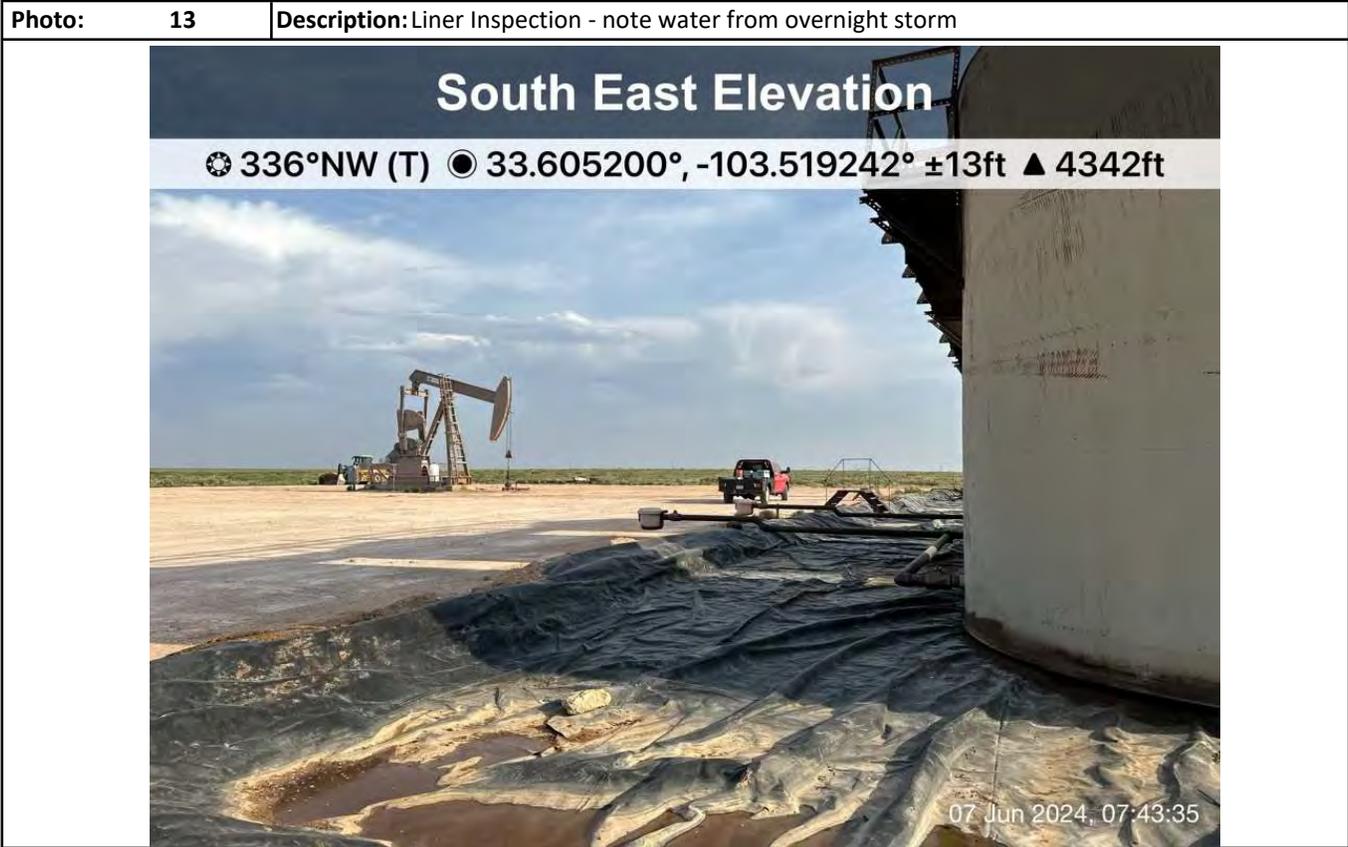
Photographs



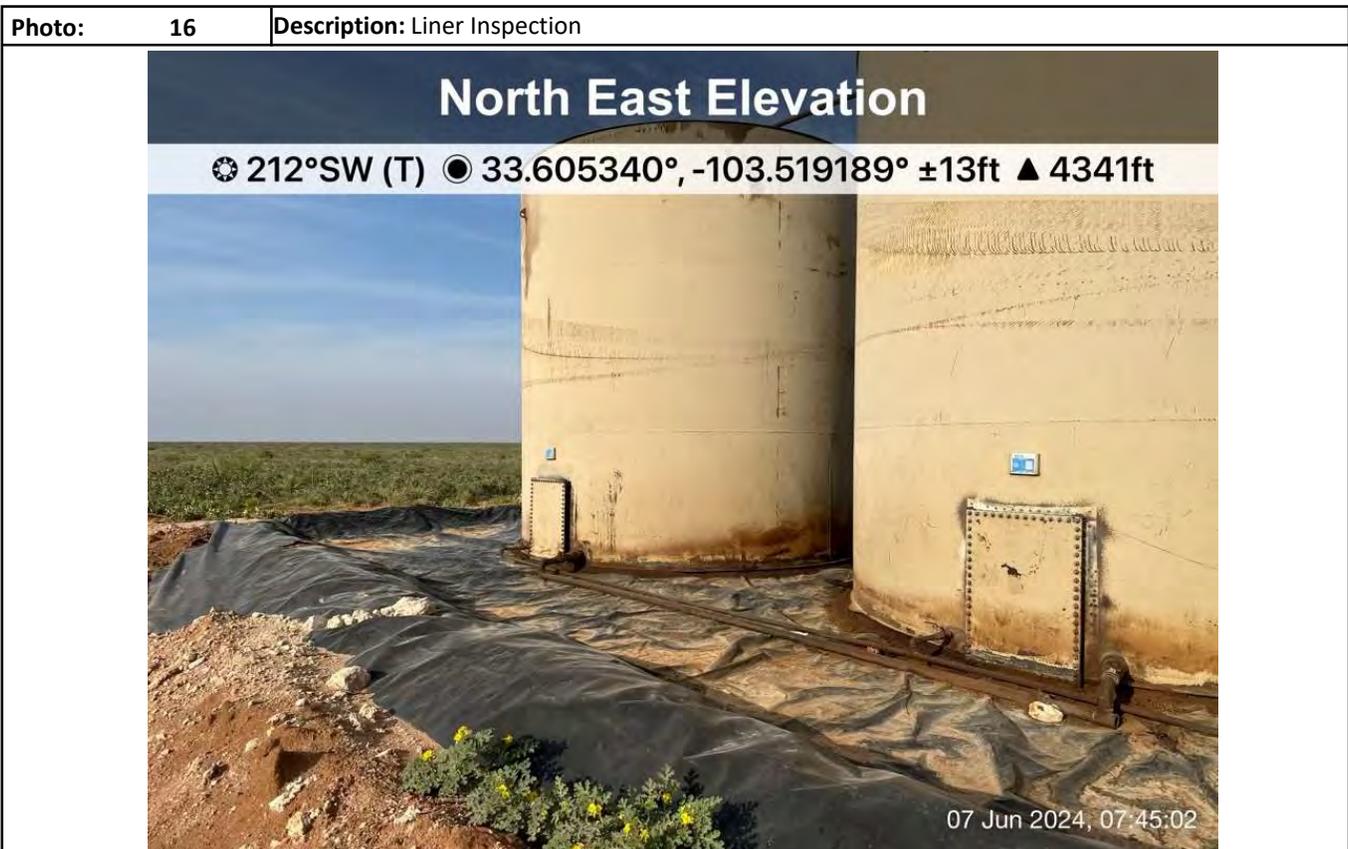
Photographs



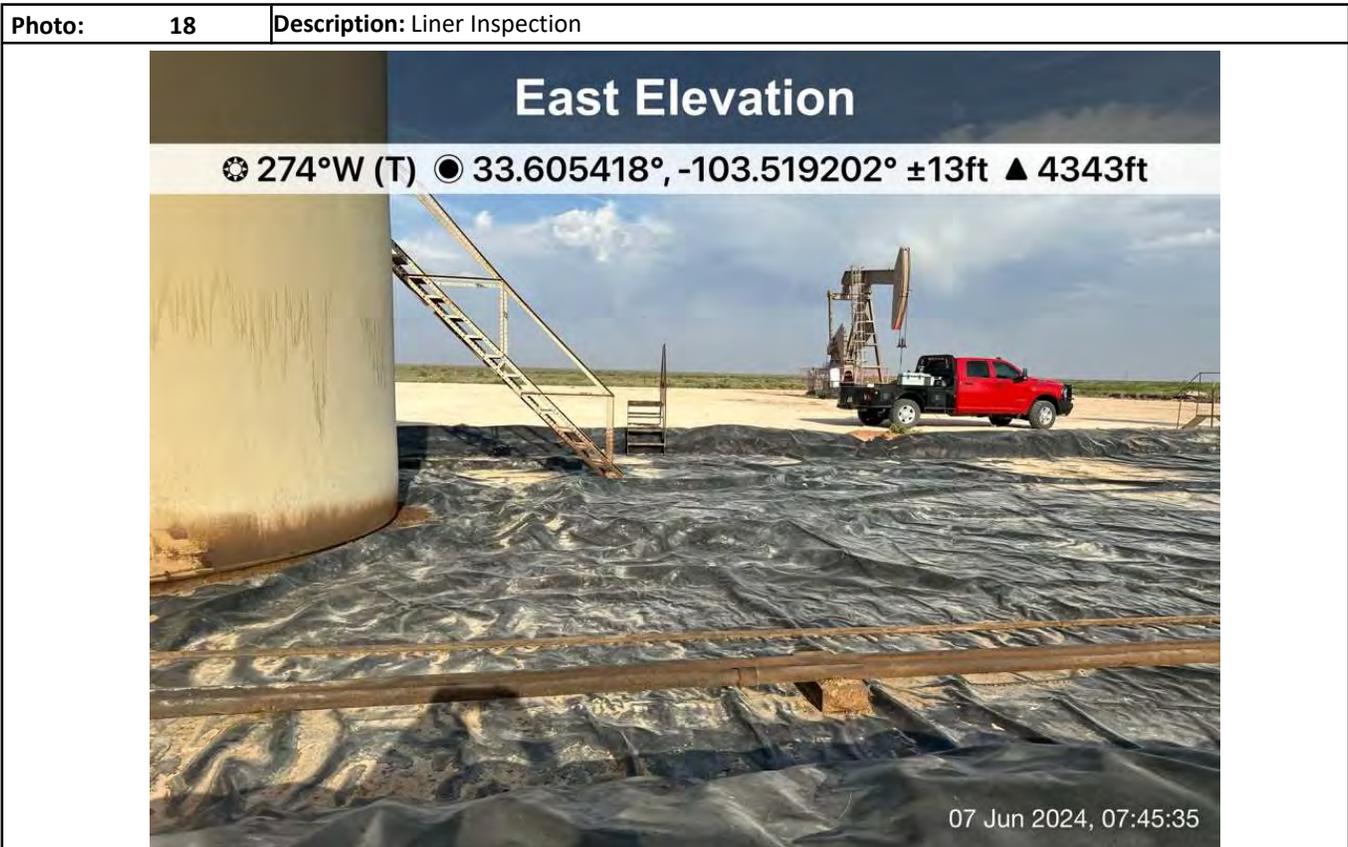
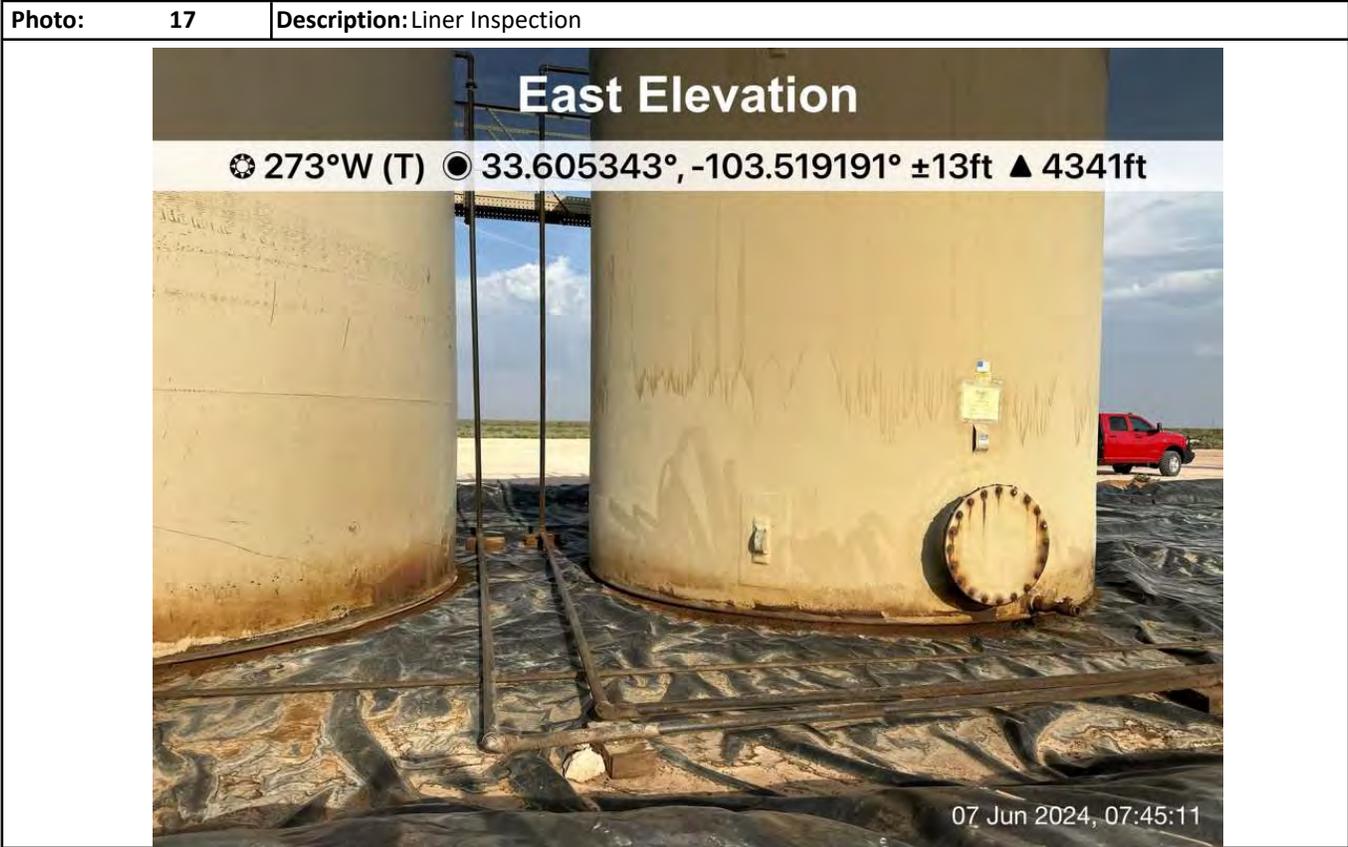
Photographs



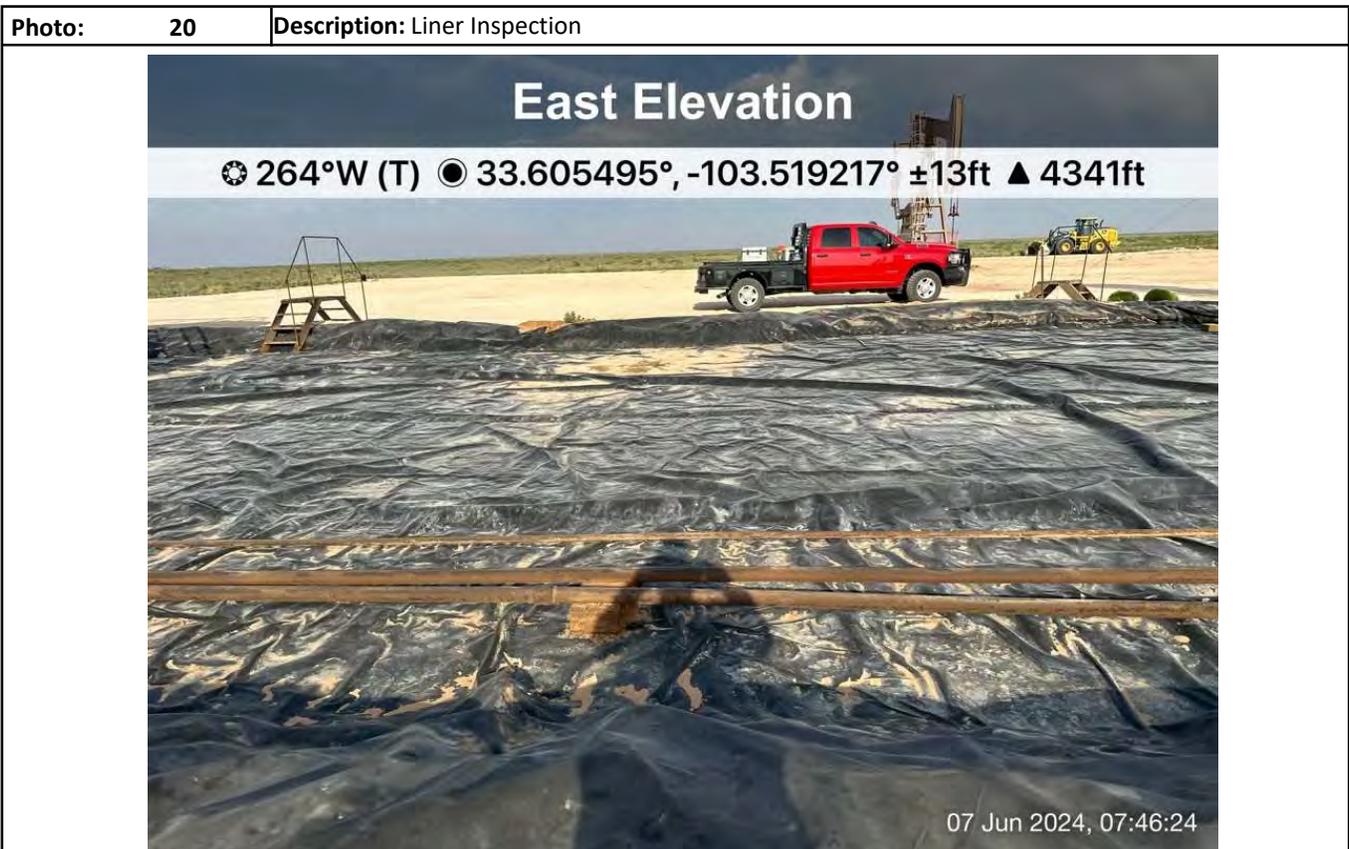
Photographs



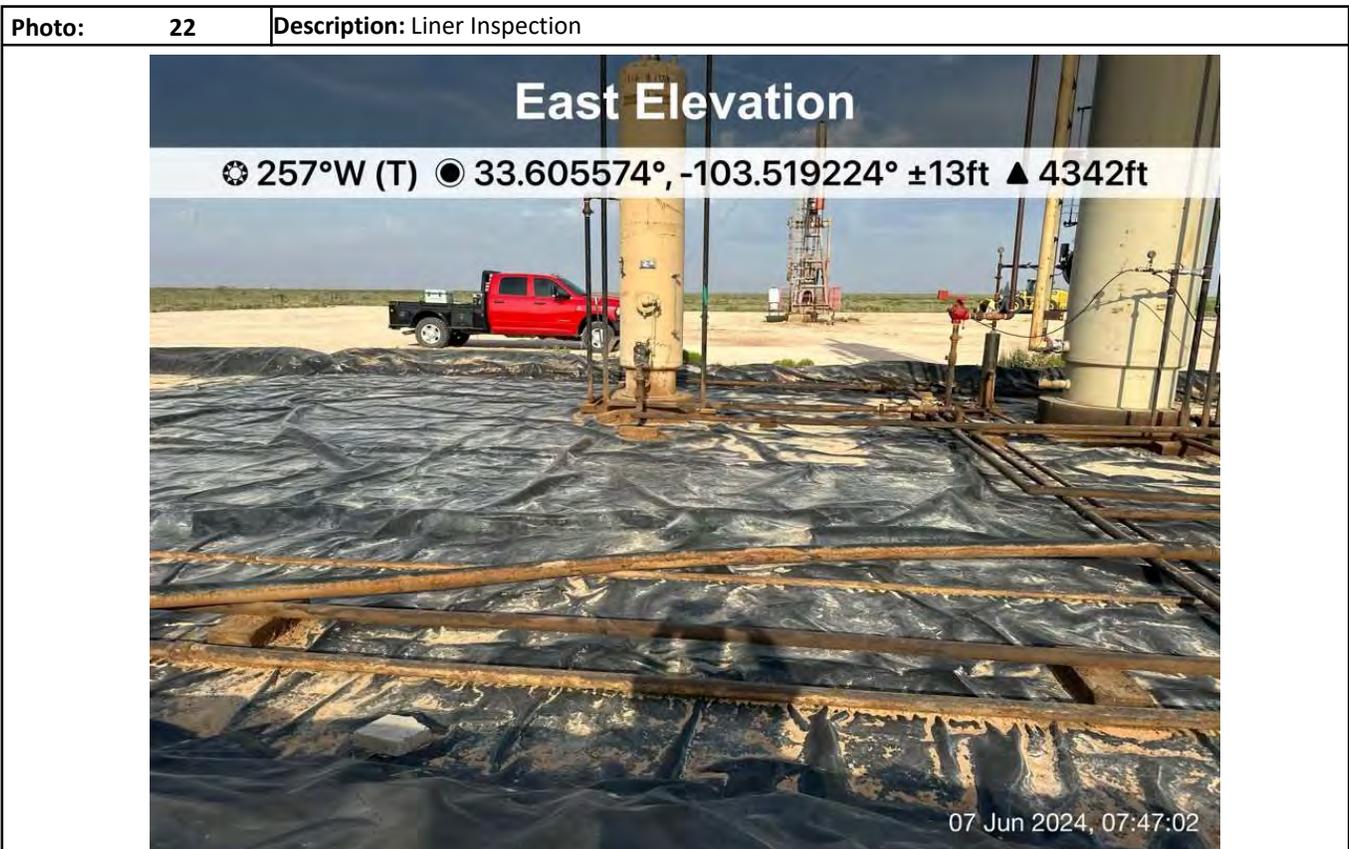
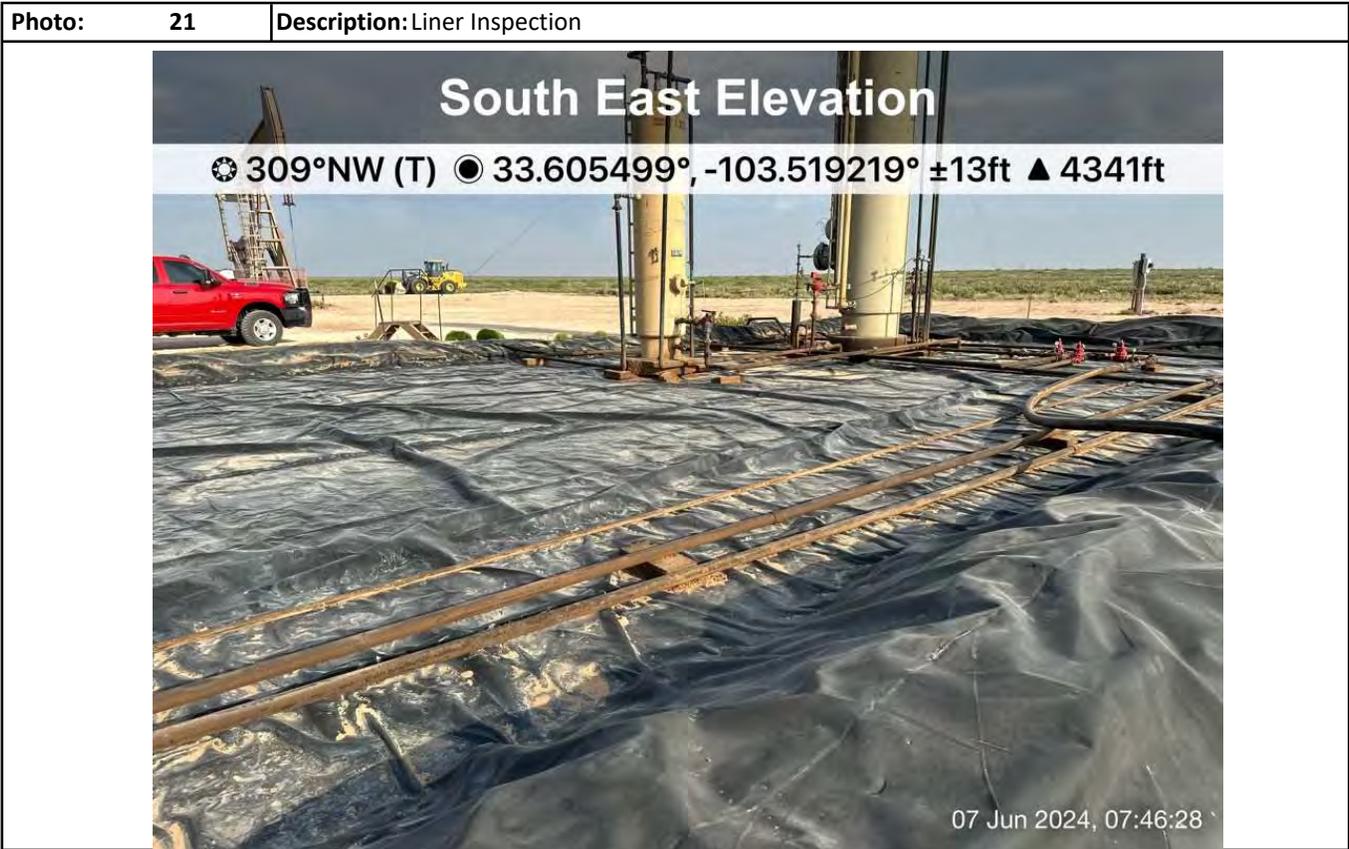
Photographs



Photographs



Photographs

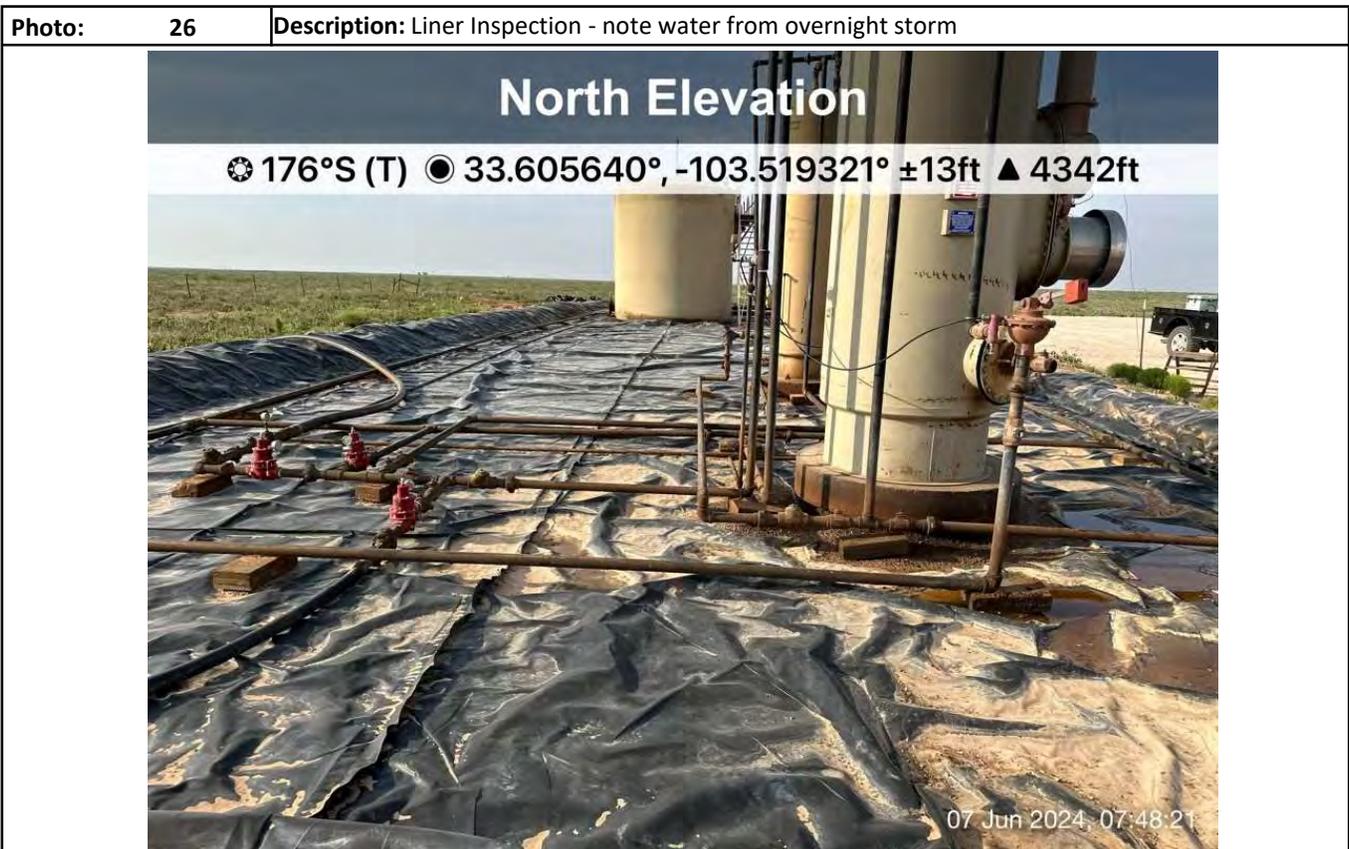
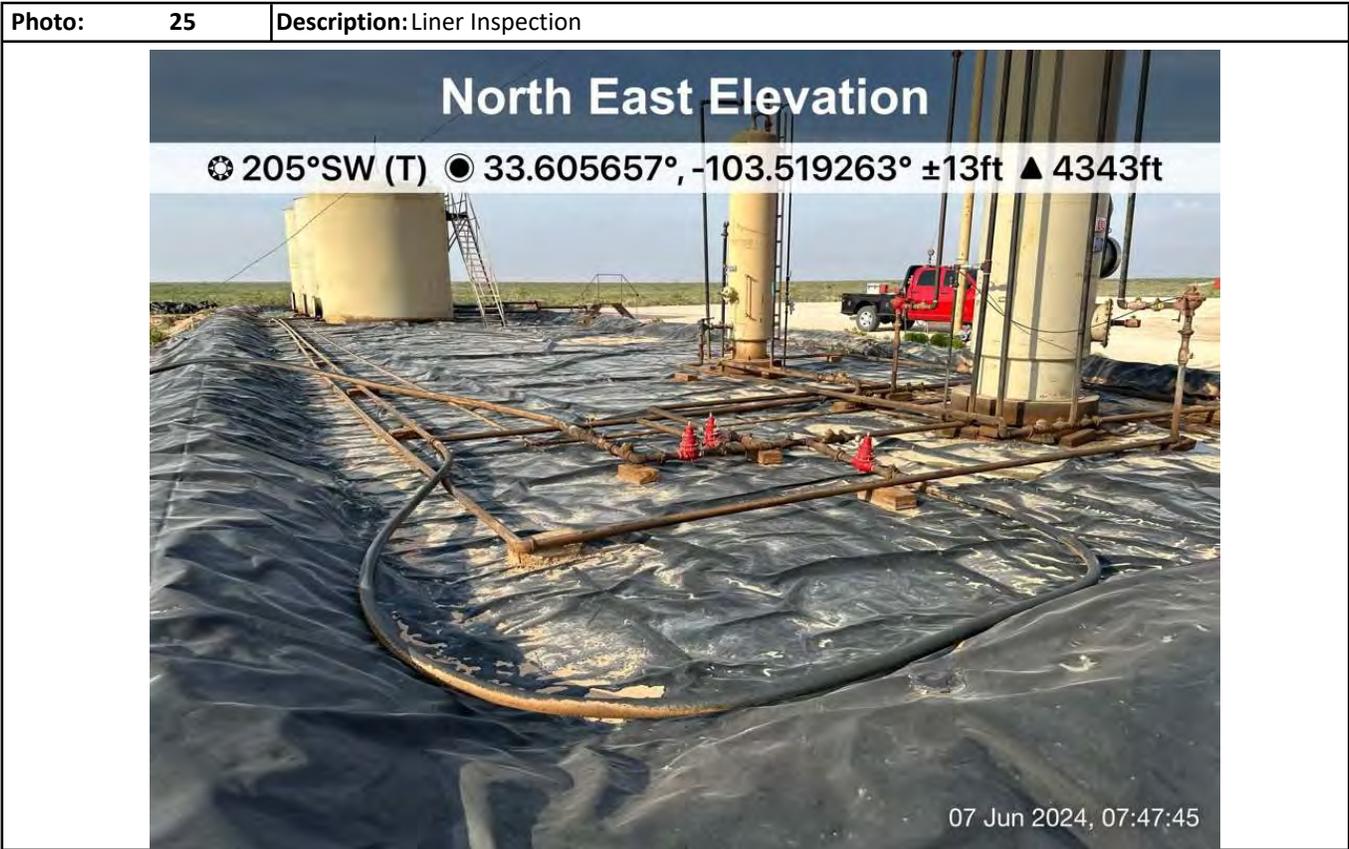


Photographs

Photo: 23	Description: Liner Inspection
<p data-bbox="646 247 987 298">East Elevation</p> <p data-bbox="354 325 1279 367">☉ 292°W (T) ● 33.605575°, -103.519226° ±13ft ▲ 4341ft</p>  <p data-bbox="1079 982 1334 1012">07 Jun 2024, 07:47:04</p>	

Photo: 24	Description: Liner Inspection
<p data-bbox="565 1134 1068 1184">South East Elevation</p> <p data-bbox="341 1211 1295 1253">☉ 301°NW (T) ● 33.605617°, -103.519234° ±13ft ▲ 4342ft</p>  <p data-bbox="1079 1864 1334 1894">07 Jun 2024, 07:47:31</p>	

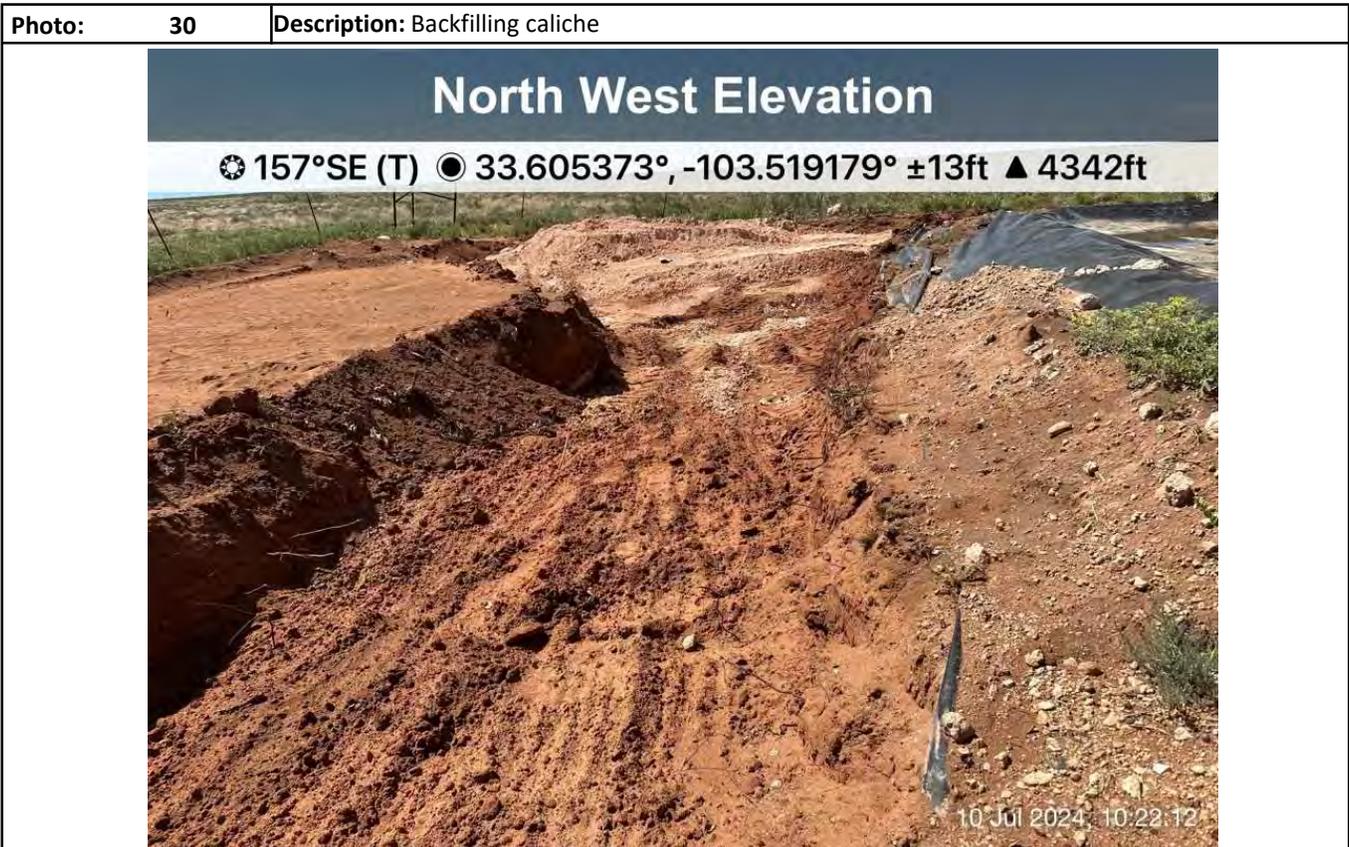
Photographs



Photographs



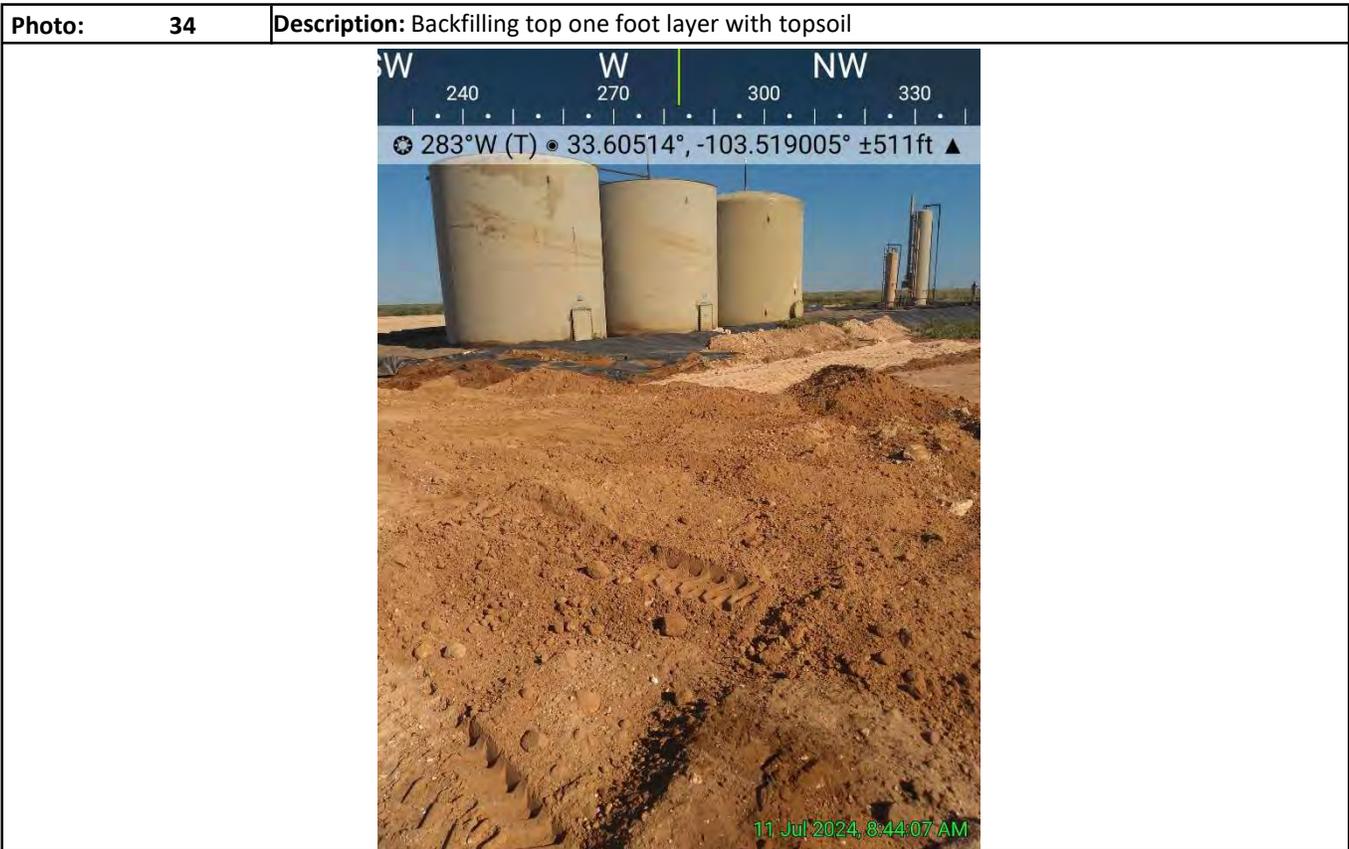
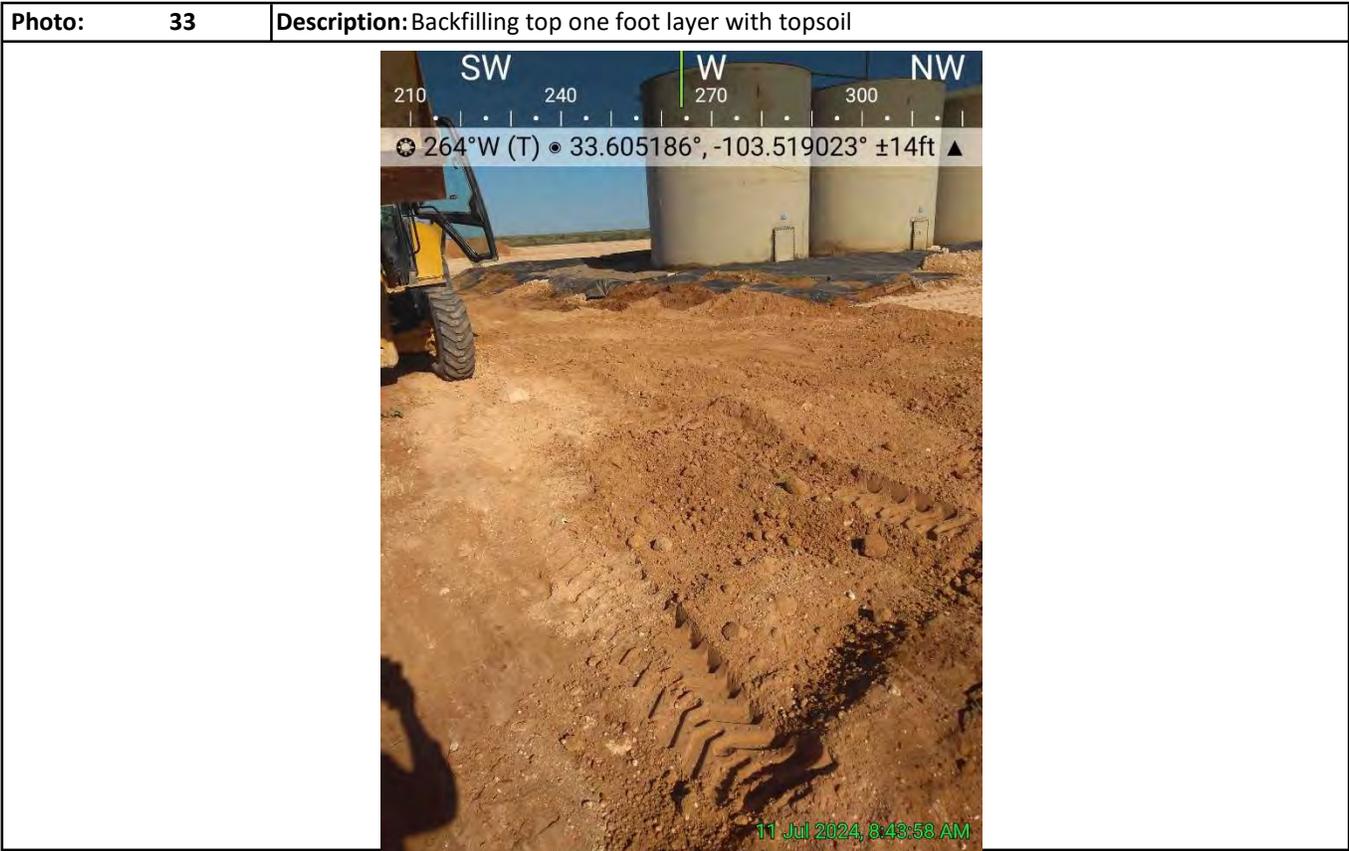
Photographs



Photographs



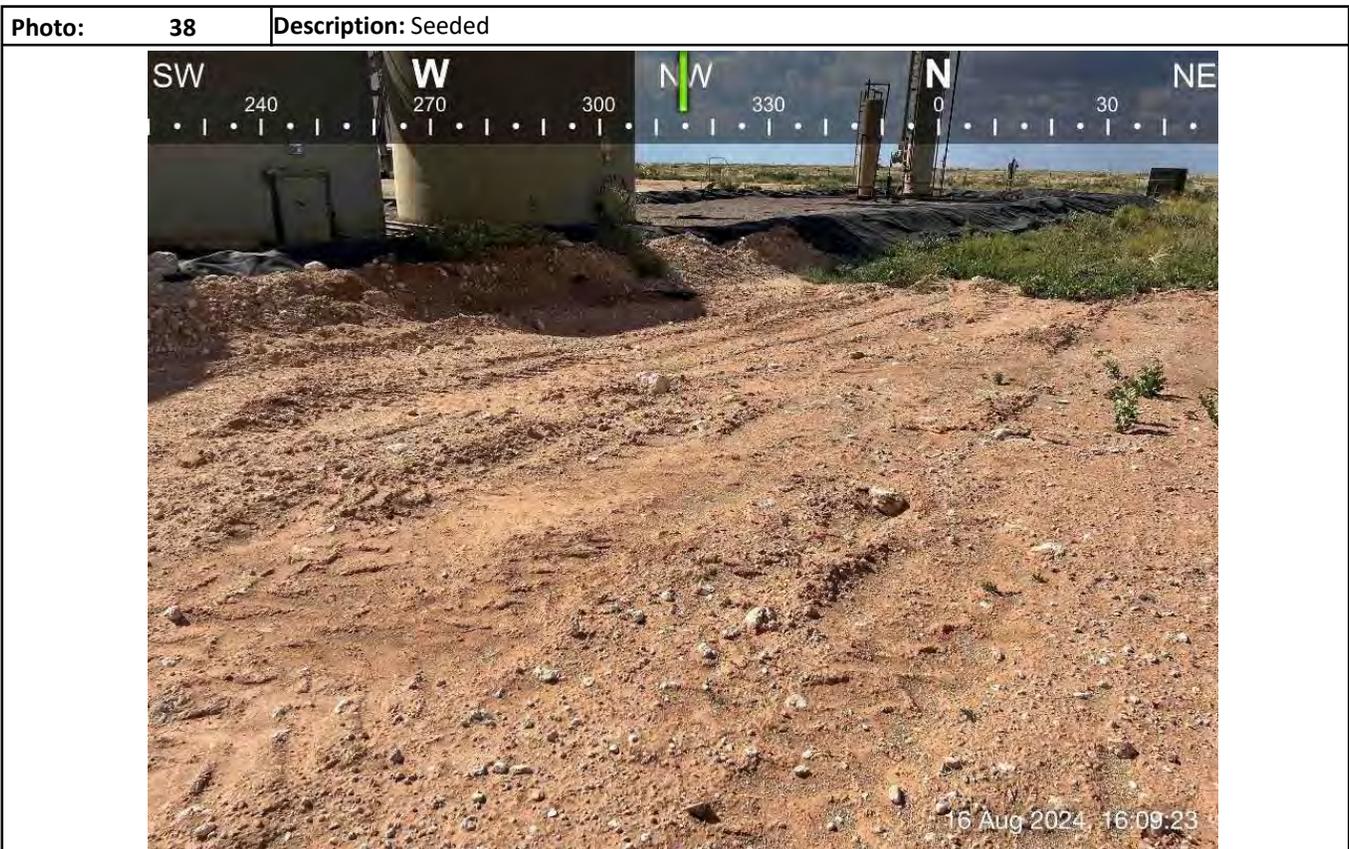
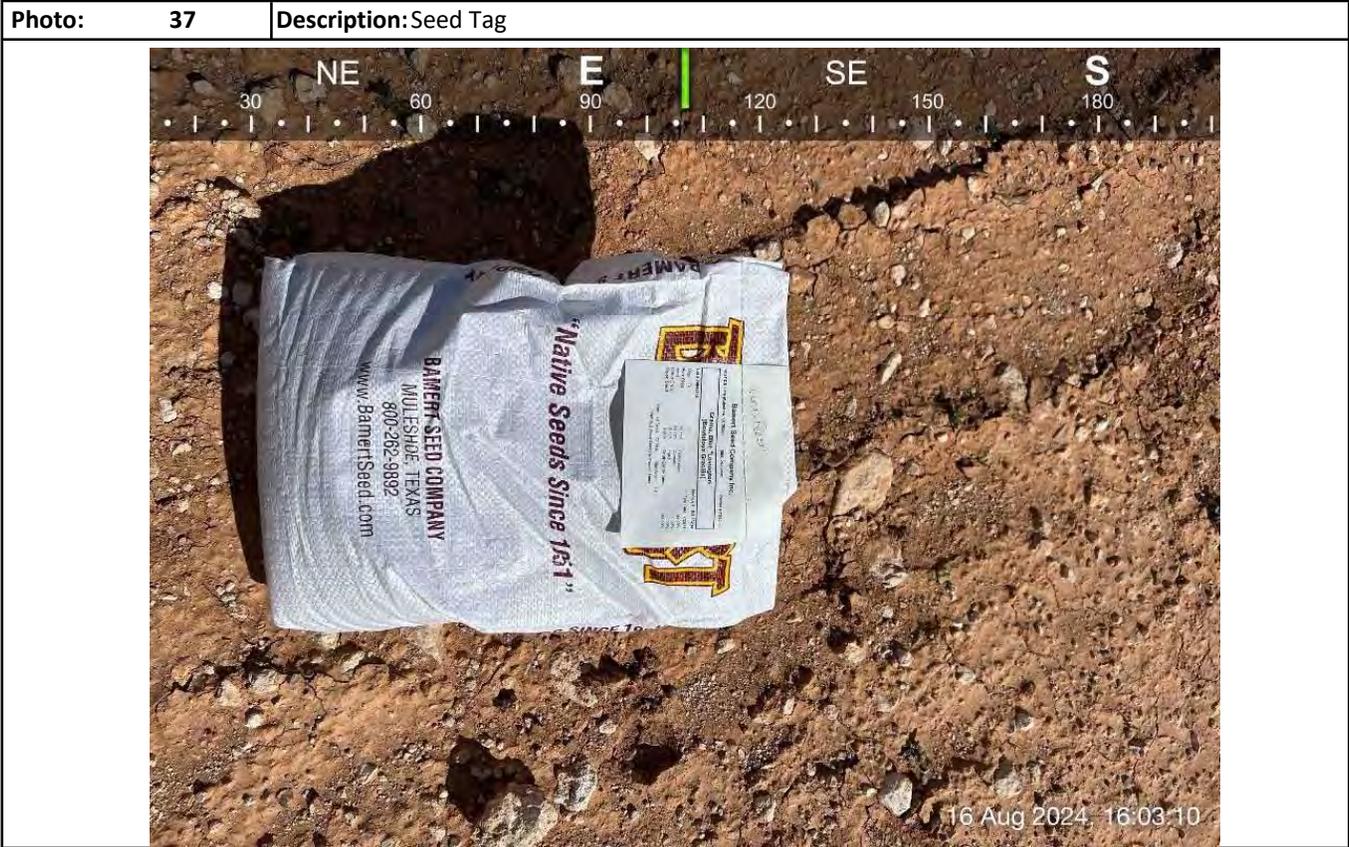
Photographs



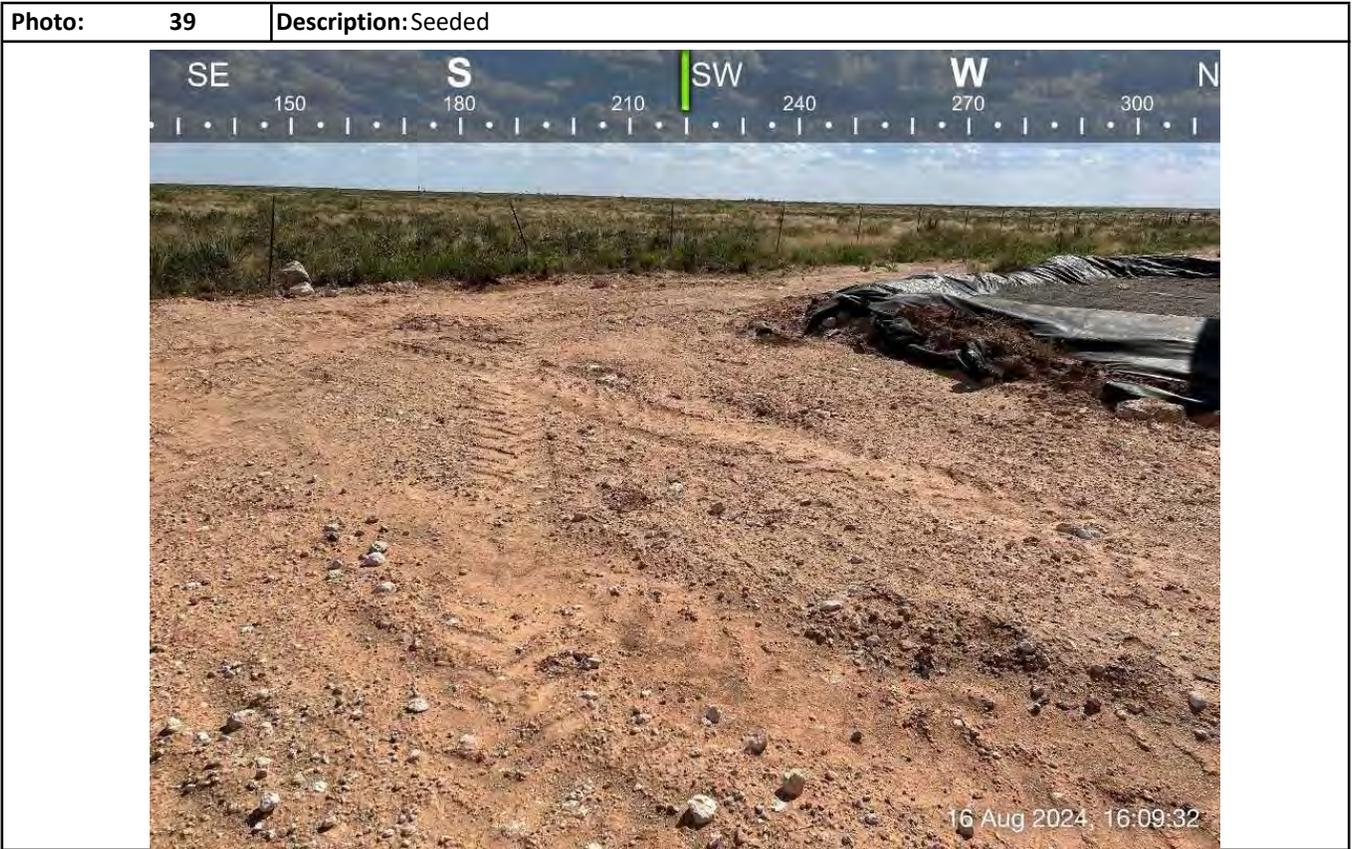
Photographs



Photographs



Photographs



Attachment IV

Depth to Groundwater



New Mexico Office of the State Engineer
Wells with Well Log Information

No wells found.

UTMNA83 Radius Search (in meters):

Easting (X): 637341.16

Northing (Y): 3719402.64

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.

7/23/24 4:03 PM

WELLS WITH WELL LOG INFORMATION

Attachment V
Liner Inspection Report and Field Data

Liner Inspection Form



Client Energex, LLC

Site Name Lucas Fee #1

Lat/Long 33.605541, -103.519656

Release Date 09-Mar-23

Incident Number nAPP2411639976

NMOCD Notified 03-Jun-24

Inspection Date 06-07-2024

Observations	Yes	No	Comments
Is the liner present?	✓		
Is the liner torn?		✓	
Are there visible holes in the liner?		✓	
Is the liner retaining any liquids?	✓		Recent Rainwater left in Liner
Does it appear the liner had the ability to contain the leak?	✓		

Type of liner:

Earthen with liner

Earthen no liner

Metal with Poly Lining

Metal with Spray Epoxy Lining

Other: _____

Other concerns or observations:

Inspector Name Jerry Heidelberg

Inspector Signature Jerry Heidelberg

Sample Log

Hungry Horse, LLC

Project: Lucas Fee #1

Karst No Water 0

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

Date: _____

GPS: 33.605541, -103.519656

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ1	Surf	NO	1.4 @ 30x4 = 120	
	1'	NO	1.2 > 100	
HZ2	Surf	NO	1.2 @ > 100	
	1'	NO	1.0 > 100	
HZ3	Surf	NO	1.2 > 100	
	1'	NO	1.0 > 100	
HZ4	Surf	NO	1.6 @ 36x4 = 144	
	1'	NO	1.8 @ 43x4 = 172	
HZ5	Surf	NO	1.4 @ 30x4 = 120	
	1'	NO	1.0 > 100	
SP1	Surf	Yes	0.6 > 100	
	1'	Yes	0.4 > 100	
	2'	L/H	2.6 @ 73x4 = 292	
	3'	NO	1.2 @ > 100	
	4'	NO	2.2 @ 57x4 = 228	
	6'		*	
	8'		*	
SP2	Surf	Yes	1.4 @ 30x4 = 120	
	1'	Yes	1.8 @ 43x4 = 172	
	2'	NO	1.2 > 100	
	3'	NO	1.4 @ 30x4 = 120	
	4'	NO	1.2 @ > 100	
	5'			
	10'			

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Project: Lucas Fee #1

Date: 5/16/24

Karst No Water <50'

GPS: 33.605541, -103.519656

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

Sampler: Bradley Wells

Sample ID	Depth	PID/Odor	Chloride	GPS
FT 1	Surf	no	1.2 = <100	
	1'	no	1.2 = <100	
FT 2	Surf	no	0.4 = <100	
	1'	no	1.2 = <100	
FT 3	Surf	no	0.6 = <100	
	1'	no	1.4 = 30x4 = 120	
FT 4	Surf	no	1.4 = 30x4 = 120	
	1'	no	1.2 = <100	
FT 5	Surf	no	1.0 = <100	
	1'	no	1.2 = <100	
FT 6	Surf	no	0.6 = <100	
	1'	no	0.6 = <100	
FT 7	Surf	no	1.4 = 30x4 = 120	
	1'	no	1.2 = <100	
FT 8	Surf	no	0.4 = <100	
	1'	no	0.4 = <100	
FT 9	Surf	no	1.2 = <100	
	1'	no	1.2 = <100	
FT 10	Surf	no	0.4 = <100	
	1'	no	0.6 = <100	

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

Attachment VI

Laboratory Analytical Reports



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

May 22, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: LUCAS FEE #1

Enclosed are the results of analyses for samples received by the laboratory on 05/16/24 13:25.

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.

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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 1 - SURF (H242724-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.27	114	2.00	6.00	
Toluene*	<0.050	0.050	05/18/2024	ND	2.33	116	2.00	6.78	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.29	114	2.00	7.14	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.98	116	6.00	6.21	
Total BTEX	<0.300	0.300	05/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 1 - 1' (H242724-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 2 - SURF (H242724-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 2 - 1' (H242724-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	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	16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 3 - SURF (H242724-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	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	16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 3 - 1' (H242724-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 4 - SURF (H242724-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 4 - 1' (H242724-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	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	32.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 5 - SURF (H242724-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: HZ 5 - 1' (H242724-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SP 1 - SURF (H242724-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/20/2024	ND	416	104	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*	<100	100	05/20/2024	ND	199	99.3	200	2.12		
DRO >C10-C28*	11400	100	05/20/2024	ND	182	90.8	200	0.291		
EXT DRO >C28-C36	1370	100	05/20/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 336 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SP 1 - 3' (H242724-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/20/2024	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	05/17/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	31.7	10.0	05/17/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SP 2 - SURF (H242724-13)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50		
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34		
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73		
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59		
Total BTEX	<0.300	0.300	05/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/20/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	199	99.3	200	2.12			
DRO >C10-C28*	6310	10.0	05/17/2024	ND	182	90.8	200	0.291			
EXT DRO >C28-C36	955	10.0	05/17/2024	ND							

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 196 % 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:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SP 2 - 3' (H242724-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	1.98	98.9	2.00	2.50	
Toluene*	<0.050	0.050	05/18/2024	ND	1.94	96.9	2.00	4.34	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	1.93	96.3	2.00	1.73	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.29	105	6.00	1.59	
Total BTEX	<0.300	0.300	05/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/20/2024	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	05/18/2024	ND	199	99.3	200	2.12	
DRO >C10-C28*	45.9	10.0	05/18/2024	ND	182	90.8	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	05/18/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: 4024 Plains Hwy
 City: Lovington State: NM Zip: 88260
 Phone #: 575 393-3386 Fax #: []
 Project #: [] Project Owner: EnergeX, LLC
 Project Name: Lucas Fee #1
 Project Location: U/L K Sec 24 T8S - R33E
 Sampler Name: Jerry Heidelberg
 P.O. #: [] Company: EnergeX, LLC
 Attn: Marc Lilley
 Address: 5325 Sierra Vista
 City: Carlsbad
 State: NM Zip: 88230
 Phone #: 575-496-2506
 Fax #: []

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HZ1-Surf		G	1	X						5/16/24		X	X	
HZ1-1'		G	1	X						5/16/24		X	X	
HZ2-Surf		G	1	X						5/16/24		X	X	
HZ2-1'		G	1	X						5/16/24		X	X	
HZ3-Surf		G	1	X						5/16/24		X	X	
HZ3-1'		G	1	X						5/16/24		X	X	
HZ4-Surf		G	1	X						5/16/24		X	X	
HZ4-1'		G	1	X						5/16/24		X	X	
HZ5-Surf		G	1	X						5/16/24		X	X	
HZ5-1'		G	1	X						5/16/24		X	X	

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Relinquished By: [Signature] Date: 5/16/24
 Received By: [Signature] Date: 5/16/24
 Delivered By: (Circle One) 1.1'c
 Sampler - UPS - Bus - Other: 14D

Sample Condition: Cool Intact
 Yes No
 CHECKED BY: [Signature]
 REMARKS: Email results to: pm@hungry-horse.com
 marc@energeXllc.com

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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
 Project Manager: Daniel Dominguez
 Address: 4024 Plains Hwy
 City: Lovington State: NM Zip: 88260
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: EnergeX, LLC
 Project Name: Lucas Fee #1
 Project Location: U/L K Sec 24 T8S - R33E
 Sampler Name: Jerry Heidelberg
 P.O. #:
 Company: EnergeX, LLC
 Attn: Marc Lilley
 Address: 5325 Sierra Vista
 City: Carlsbad
 State: NM Zip: 88230
 Phone #: 575-496-2506
 Fax #:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
124724			1	X						5/16/24		X	X	X
	SP1-Surf	G	1	X						5/16/24		X	X	X
	SP1-3'	G	1	X						5/16/24		X	X	X
	SP2-Surf	G	1	X						5/16/24		X	X	X
	SP2-3'	G	1	X						5/16/24		X	X	X

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Reinquinshed By: *[Signature]* Date: 5/16/24
 Time: 1:30 PM
 Received By: *[Signature]*
 Time:
 Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: #110

Sample Condition
 Cool Yes No
 Intact Yes No
 CHECKED BY: *[Signature]*

REMARKS:
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 Email results to: pm@hungry-horse.com
 marc@energeXllc.com

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

July 08, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: LUCAS FEE #1

Enclosed are the results of analyses for samples received by the laboratory on 07/01/24 15:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 1 - 3' (H243938-01)

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	07/05/2024	ND	2.01	101	2.00	4.06	
Toluene*	<0.050	0.050	07/05/2024	ND	2.00	100	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.04	102	2.00	5.29	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.00	100	6.00	5.30	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 2 - 3' (H243938-02)

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	07/05/2024	ND	2.01	101	2.00	4.06	
Toluene*	<0.050	0.050	07/05/2024	ND	2.00	100	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.04	102	2.00	5.29	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.00	100	6.00	5.30	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 3 - 3' (H243938-03)

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	07/05/2024	ND	2.01	101	2.00	4.06	
Toluene*	<0.050	0.050	07/05/2024	ND	2.00	100	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.04	102	2.00	5.29	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.00	100	6.00	5.30	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	71.1	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	14.7	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 4 - 3' (H243938-04)

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	07/05/2024	ND	2.01	101	2.00	4.06		
Toluene*	<0.050	0.050	07/05/2024	ND	2.00	100	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.04	102	2.00	5.29		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.00	100	6.00	5.30		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	16.0	16.0	07/05/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 5 - 3' (H243938-05)

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	07/05/2024	ND	2.01	101	2.00	4.06	
Toluene*	<0.050	0.050	07/05/2024	ND	2.00	100	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.04	102	2.00	5.29	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.00	100	6.00	5.30	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 6 - 3' (H243938-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	2.01	101	2.00	4.06	
Toluene*	<0.050	0.050	07/05/2024	ND	2.00	100	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.04	102	2.00	5.29	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.00	100	6.00	5.30	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 7 - 3' (H243938-07)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 8 - 3' (H243938-08)

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	07/05/2024	ND	1.98	99.2	2.00	0.473		
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	<16.0	16.0	07/05/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: FL 9 - 3' (H243938-09)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	17.8	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SW 1 (H243938-10)

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	07/05/2024	ND	1.98	99.2	2.00	0.473		
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48		
Total BTEX	<0.300	0.300	07/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SW 2 (H243938-11)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	13.4	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: SW 3 (H243938-12)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	10.5	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC
Project Manager: Daniel Dominguez
Address: 4024 Plains Hwy
City: Lovington **State:** NM **Zip:** 88260
Phone #: 575 393-3386 **Fax #:**
Project #:
Project Name: Lucas Fee #1
Project Location: U/L K Sec 24 T8S - R33E
Sampler Name: Roy Bell

P.O. #:
Company: EnergeX, LLC
Attn: Marc Lilley
Address: 5325 Sierra Vista
City: Carlsbad
State: NM **Zip:** 88230
Phone #: 575-496-2506
Fax #:
Matrix: SOIL

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H243938														
1	FL-1-3'	C	1	X						7/1/24		X	X	
2	FL-2-3'	C	1	X						7/1/24		X	X	
3	FL-3-3'	C	1	X						7/1/24		X	X	
4	FL-4-3'	C	1	X						7/1/24		X	X	
5	FL-5-3'	C	1	X						7/1/24		X	X	
6	FL-6-3'	C	1	X						7/1/24		X	X	
7	FL-7-3'	C	1	X						7/1/24		X	X	
8	FL-8-3'	C	1	X						7/1/24		X	X	
9	FL-9-3'	C	1	X						7/1/24		X	X	
10	SW1	C	1	X						7/1/24		X	X	

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Relinquished By: *[Signature]* **Date:** 7-1-24
Received By: *[Signature]* **Date:** 7-1-24
Time: 5:00
Received By: *[Signature]*

Delivered By: (Circle One) **4.9c**
 Sampler - UPS - Bus - Other: **#140**
Sample Condition: Intact Cool Yes No
CHECKED BY: *[Signature]*

REMARKS:
 Phone Result: Yes No **Add'l Phone #:**
 Fax Result: Yes No **Add'l Fax #:**
 Email results to: pm@hungry-horse.com
 marc@energeXllc.com

* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

Company Name: Hungry Horse LLC
Project Manager: Daniel Dominguez
Address: 4024 Plains Hwy
City: Lovington **State:** NM **Zip:** 88260
Phone #: 575 393-3386 **Fax #:** **Project Owner:** EnergeX, LLC
Project #: **Project Name:** Lucas Fee #1
Project Location: U/L K Sec 24 T8S - R33E
Sampler Name: Roy Bell

BILL TO
P.O. #: **Company:** EnergeX, LLC
Attn: Marc Lilley
Address: 5325 Sierra Vista
City: Carlsbad
State: NM **Zip:** 88230
Phone #: 575-496-2506
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H243938	11	SW2	C 1			X				7/1/24		X	X	
	12	SW3	C 1			X				7/1/24		X	X	

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Relinquished By: *[Signature]*
Received By: *[Signature]*
Date: 7-1-24
Time: 1500
Received By: *[Signature]*

Delivered By: (Circle One) UPS - Bus - Other: 4.9z #140
Sample Condition: Cool Intact
CHECKED BY: *[Signature]*

REMARKS:
 Email results to: pm@hungry-horse.com
 marc@energeXllc.com

+ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

July 09, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: LUCAS FEE #1

Enclosed are the results of analyses for samples received by the laboratory on 07/01/24 15:00.

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

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,

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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 1 - SURF (H243939-01)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 2 - SURF (H243939-02)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 3 - SURF (H243939-03)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 4 - SURF (H243939-04)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 5 - SURF (H243939-05)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 6 - SURF (H243939-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 7 - SURF (H243939-07)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	10.9	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 8 - SURF (H243939-08)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	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	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 9 - SURF (H243939-09)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	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	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 10 - SURF (H243939-10)

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	07/05/2024	ND	1.98	99.2	2.00	0.473		
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48		
Total BTEX	<0.300	0.300	07/05/2024	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	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 11 - SURF (H243939-11)

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	07/05/2024	ND	1.98	99.2	2.00	0.473	
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48	
Total BTEX	<0.300	0.300	07/05/2024	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	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 12 - SURF (H243939-12)

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	07/05/2024	ND	1.98	99.2	2.00	0.473		
Toluene*	<0.050	0.050	07/05/2024	ND	2.16	108	2.00	1.61		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	2.68		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.70	112	6.00	1.48		
Total BTEX	<0.300	0.300	07/05/2024	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	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 13 - SURF (H243939-13)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	GC-NC	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	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	16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 14 - SURF (H243939-14)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	GC-NC
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 15 - SURF (H243939-15)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	GC-NC	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 16 - SURF (H243939-16)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 17 - SURF (H243939-17)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 18 - SURF (H243939-18)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 19 - SURF (H243939-19)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	206	103	200	3.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	183	91.3	200	0.524	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 20 - SURF (H243939-20)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 21 - SURF (H243939-21)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 22 - SURF (H243939-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 23 - SURF (H243939-23)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 24 - SURF (H243939-24)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 25 - SURF (H243939-25)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 26 - SURF (H243939-26)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 27 - SURF (H243939-27)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	400	100	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	07/05/2024	ND	194	97.0	200	1.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 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
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 Fax To: (505) 391-4585

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 28 - SURF (H243939-28)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 29 - SURF (H243939-29)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 30 - SURF (H243939-30)

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	07/05/2024	ND	1.90	94.8	2.00	3.01		
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 31 - SURF (H243939-31)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/05/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 32 - SURF (H243939-32)

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	07/05/2024	ND	1.90	94.8	2.00	3.01	
Toluene*	<0.050	0.050	07/05/2024	ND	1.90	94.8	2.00	4.31	
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.07	103	2.00	7.04	
Total Xylenes*	<0.150	0.150	07/05/2024	ND	5.95	99.1	6.00	6.13	
Total BTEX	<0.300	0.300	07/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 33 - SURF (H243939-33)

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	07/05/2024	ND	2.00	100	2.00	2.14		
Toluene*	<0.050	0.050	07/05/2024	ND	2.10	105	2.00	2.79		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	3.06		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.65	111	6.00	2.98		
Total BTEX	<0.300	0.300	07/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	<16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 34 - SURF (H243939-34)

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	07/05/2024	ND	2.00	100	2.00	2.14		
Toluene*	<0.050	0.050	07/05/2024	ND	2.10	105	2.00	2.79		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	3.06		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.65	111	6.00	2.98		
Total BTEX	<0.300	0.300	07/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 35 - SURF (H243939-35)

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	07/05/2024	ND	2.00	100	2.00	2.14		
Toluene*	<0.050	0.050	07/05/2024	ND	2.10	105	2.00	2.79		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	3.06		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.65	111	6.00	2.98		
Total BTEX	<0.300	0.300	07/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:	07/01/2024	Sampling Date:	07/01/2024
Reported:	07/09/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: OS 36 - SURF (H243939-36)

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	07/05/2024	ND	2.00	100	2.00	2.14		
Toluene*	<0.050	0.050	07/05/2024	ND	2.10	105	2.00	2.79		
Ethylbenzene*	<0.050	0.050	07/05/2024	ND	2.17	109	2.00	3.06		
Total Xylenes*	<0.150	0.150	07/05/2024	ND	6.65	111	6.00	2.98		
Total BTEX	<0.300	0.300	07/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	194	97.0	200	1.39		
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	198	99.1	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/4

Company Name: Hungry Horse LLC		P.O. #: BILL TO		ANALYSIS REQUEST														
Project Manager: Daniel Dominguez		Company: EnergeX, LLC																
Address: 4024 Plains Hwy		Attn: Marc Lilley																
City: Lovington	State: NM	Zip: 88260	Address: 5325 Sierra Vista															
Phone #: 575-393-3386	Fax #:	Project Owner: EnergeX, LLC	City: Carlsbad	State: NM	Zip: 88230													
Project Name: Lucas Fee #1	Project Location: U/L K Sec 24 T8S - R33E	Phone #: 575-496-2506	Fax #:															
Sampler Name: Roy Bell	FOR LAB USE ONLY																	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV.	SAMPLING													
H2429B9			GROUNDWATER															
			WASTEWATER															
			SOIL															
			OIL															
			SLUDGE															
			OTHER :															
			ACID/BASE:															
			ICE / COOL															
			OTHER :															
	OS1-Surf	C 1	X		7/1/24	Chloride	X											
	OS2-Surf	C 1	X		7/1/24	TPH	X											
	OS3-Surf	C 1	X		7/1/24	BTEX 8021	X											
	OS4-Surf	C 1	X		7/1/24		X											
	OS5-Surf	C 1	X		7/1/24		X											
	OS6-Surf	C 1	X		7/1/24		X											
	OS7-Surf	C 1	X		7/1/24		X											
	OS8-Surf	C 1	X		7/1/24		X											
	OS9-Surf	C 1	X		7/1/24		X											
	OS10-Surf	C 1	X		7/1/24		X											

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Relinquished By: *[Signature]* Date: **7/1/24** Time: **1:500**

Received By: *[Signature]* Date: **7/1/24** Time: **4:19**

Delivered By: (Circle One) **UPS** - Bus - Other: **4:19**

Sample Condition: Intact Cool Yes No

CHECKED BY: *[Signature]*

REMARKS: Email results to: pm@hungry-horse.com marc@energeXllc.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/4

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: 4024 Plains Hwy
 City: Lovington State: NM Zip: 88260
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: EnergeX, LLC
 Project Name: Lucas Fee #1
 Project Location: U/L K Sec 24 T8S - R33E
 Sampler Name: Roy Bell
 P.O. #:
 Company: EnergeX, LLC
 Attn: Marc Lilley
 Address: 5325 Sierra Vista
 City: Carlsbad
 State: NM Zip: 88230
 Phone #: 575-496-2506
 Fax #:
 PRESERV. SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
11	OS11-Surf	C	1	X											
12	OS12-Surf	C	1	X											
13	OS13-Surf	C	1	X											
14	OS14-Surf	C	1	X											
15	OS15-Surf	C	1	X											
16	OS16-Surf	C	1	X											
17	OS17-Surf	C	1	X											
18	OS18-Surf	C	1	X											
19	OS19-Surf	C	1	X											
20	OS20-Surf	C	1	X											

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Relinquished By: *[Signature]* Date: 7-1-24 Time: 5:00
 Received By: *[Signature]* Date:
 Time:
 Sample Condition: Cool Intact Yes No

Delivered By: (Circle One) UPS - Bus - Other: UPS
 Checked By: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:
 Email results to: pm@hungry-horse.com
 marc@energeXllc.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/4

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST					
Project Manager: Daniel Dominguez		Company: Energen, LLC									
Address: 4024 Plains Hwy		Attn: Marc Lilley									
City: Lovington	State: NM	Zip: 88260	Address: 5325 Sierra Vista								
Phone #: 575-393-3386	Fax #:	Project Owner: Energen, LLC	City: Carlsbad	State: NM	Zip: 88230						
Project Name: Lucas Fee #1	Project Location: U/L K Sec 24 T8S - R33E	Project Fee #1	State: NM	Zip: 88230	Phone #: 575-496-2506						
Sampler Name: Roy Bell	FOR LAB USE ONLY		Fax #:	PRESEV.	SAMPLING						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	MATRIX		DATE	TIME	Chloride	TPH	BTEX 8021		
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :

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Relinquished By: *[Signature]* Date: 7/24/24 Time: 1500 Received By: *[Signature]* Received By: *[Signature]*

Delivered By: (Circle One) UPS - Bus - Other: 4.9 - #140

Sample Condition: Cool Intact Yes No

CHECKED BY: *[Signature]*

REMARKS: Email results to: pm@hungry-horse.com marc@energenllc.com

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

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4/4

Company Name: Hungry Horse LLC

Project Manager: Daniel Dominguez

Address: 4024 Plains Hwy

City: Lovington

Phone #: 575 393-3386

Project #:

Project Name: Lucas Fee #1

Project Location: U/L K Sec 24 T8S - R33E

Sampler Name: Roy Bell

BILL TO

P.O. #:

Company: EnergeX, LLC

Attn: Marc Lilley

Address: 5325 Sierra Vista

City: Carlsbad

State: NM Zip: 88230

Phone #: 575-496-2506

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL
1243939	OS31-Surf	C 1	1	X												
32	OS32-Surf	C 1	1	X												
33	OS33-Surf	C 1	1	X												
34	OS34-Surf	C 1	1	X												
35	OS35-Surf	C 1	1	X												
36	OS36-Surf	C 1	1	X												

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Relinquished By: *[Signature]* Date: 7-1-24
 Relinquished By: *[Signature]* Date: 7-1-24
 Received By: *[Signature]* Date: 7-1-24
 Received By: *[Signature]* Date: 7-1-24

Delivered By: (Circle One) UPS Bus Other: 49
 Sampler - UPS - Bus - Other: #140
 Sample Condition: Cool Intact Yes No
 Checked By: *[Signature]*

REMARKS: Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 Email results to: pm@hungry-horse.com
 marc@energeXllc.com

* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

August 12, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: LUCAS FEE #1

Enclosed are the results of analyses for samples received by the laboratory on 08/06/24 15:53.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/06/2024	Sampling Date:	08/05/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: TOPSOIL (H244730-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	
Total BTEX	<0.300	0.300	08/07/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.9 % 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:	08/06/2024	Sampling Date:	08/05/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	LUCAS FEE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	ENERGEX - UL/K SEC 24 T8S - R33E		

Sample ID: CALICHE (H244730-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2024	ND	1.99	99.7	2.00	5.06		
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	64.0	16.0	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34		
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	189	94.5	200	1.18		
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND						

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: 4024 Plains Hwy
 City: Lovington State: NM Zip: 88260
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: EnergeX, LLC
 Project Name: Lucas Fee #1
 Project Location: U/L K Sec 24 T8S - R33E
 Sampler Name: Jerry Heidelberg
 P.O. #:
 Company: EnergeX, LLC
 Attn: Marc Lilley
 Address: 5325 Sierra Vista
 City: Carlsbad
 State: NM Zip: 88230
 Phone #: 575-496-2506
 Fax #:
 BILL TO ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
11244730			1			X				8/5/24	9:00	X	X	X
	Topsoil	C	1			X				8/5/24	9:30	X	X	X
	Caliche	C	1			X				8/5/24	9:30	X	X	X

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Relinquished By: [Signature] Date: 8-4-24
 Received By: [Signature] Date: 8-4-24
 Relinquished By: [Signature] Date: 8-4-24
 Received By: [Signature] Date: 8-4-24

Delivered By: (Circle One) UPS - Bus - Other: -0.8c / 0.0c
 Sampler - UPS - Bus - Other: -0.9c #140
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature]
 REMARKS: Email results to: pm@hungry-horse.com
 marc@energeXllc.com

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

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

QUESTIONS

Action 375528

QUESTIONS

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2411639976
Incident Name	NAPP2411639976 LUCAS FEE #1 @ 30-005-29212
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-005-29212] LUCAS FEE #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	LUCAS FEE #1
Date Release Discovered	03/09/2023
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Other Tank (Any) Crude Oil Released: 26 BBL Recovered: 0 BBL Lost: 26 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	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)	cause of release is unknown. wind caused overspray outside of containment

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

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

QUESTIONS, Page 2

Action 375528

QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Marc Lilley Title: Managing Member Email: mallilley@yahoo.com Date: 04/25/2024
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QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	80
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	12770
GRO+DRO (EPA SW-846 Method 8015M)	11400
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	06/26/2024
On what date will (or did) the final sampling or liner inspection occur	07/01/2024
On what date will (or was) the remediation complete(d)	07/11/2024
What is the estimated surface area (in square feet) that will be reclaimed	1800
What is the estimated volume (in cubic yards) that will be reclaimed	200
What is the estimated surface area (in square feet) that will be remediated	1800
What is the estimated volume (in cubic yards) that will be remediated	200

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 375528

QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: Marc Lilley Title: Managing Member Email: mallilley@yahoo.com Date: 07/24/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 375528

QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 375528

QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	359276
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/01/2024
What was the (estimated) number of samples that were to be gathered	48
What was the sampling surface area in square feet	9000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1800
What was the total volume (cubic yards) remediated	200
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1800
What was the total volume (in cubic yards) reclaimed	200
Summarize any additional remediation activities not included by answers (above)	Remediation activities, and liner inspection, were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria. Based on laboratory analytical results and a thorough liner inspection, Energex, LLC respectfully requests closure of the Lucas Fee #1 location, nAPP2411639976.

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

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

I hereby agree and sign off to the above statement	Name: Marc Lilley Title: Managing Member Email: mallilley@yahoo.com Date: 08/20/2024
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QUESTIONS, Page 7

Action 375528

QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1800
What was the total volume of replacement material (in cubic yards) for this site	200

Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a 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.

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	08/16/2024

Summarize any additional reclamation activities not included by answers (above)	Reclamation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria. Based on laboratory analytical results and a thorough liner inspection, Energex, LLC respectfully requests closure of the Lucas Fee #1 location, nAPP2411639976.
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The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.

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

I hereby agree and sign off to the above statement	Name: Marc Lilley Title: Managing Member Email: mallilley@yahoo.com Date: 08/20/2024
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QUESTIONS, Page 8

Action 375528

QUESTIONS (continued)

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 375528

CONDITIONS

Operator: ENERGEX, LLC 18291 Pima Rd. Suite 110 Scottsdale, AZ 85255	OGRID: 296260
	Action Number: 375528
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
bhall	Reclamation report approved.	8/23/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	8/23/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	8/23/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	8/23/2024