



## Remediation Summary and Closure Request

**Frontier Field Services, LLC**

**Geronimo 6" (2)**

**Lea County, New Mexico**

**Unit Letter "M", Section 30, Township 19 South, Range 33 East**

**Latitude 32.627478 North, Longitude 103.710870 West**

**NMOCD Incident # nAPP2233440335**

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Prepared For:

Frontier Field Services, LLC

47 Conoco Rd

Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

Office: (575) 393-3386

**March 2023**

Handwritten signature of Bradley Wells in black ink.

Bradley Wells

Project Manager

[bwells@hungry-horse.com](mailto:bwells@hungry-horse.com)

Handwritten signature of Daniel Dominguez in black ink.

Daniel Dominguez

Environmental Manager

[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

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Incident ID	nAPP2233440335
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*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?	<u>undetermined</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

<b><u>Characterization Report Checklist:</u> Each of the following items must be included in the report.</b>
<input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
<input checked="" type="checkbox"/> Field data
<input checked="" type="checkbox"/> Data table of soil contaminant concentration data
<input checked="" type="checkbox"/> Depth to water determination
<input checked="" type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
<input checked="" type="checkbox"/> Boring or excavation logs
<input checked="" type="checkbox"/> Photographs including date and GIS information
<input checked="" type="checkbox"/> Topographic/Aerial maps
<input checked="" type="checkbox"/> Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Facility ID	
Application ID	

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.

Printed Name: Amber Groves Title: Remediation Specialist

Signature:  Date: 3/15/2023

email: agroves@durangomidstream.com Telephone: 575-703-7992

**OCD Only**

Received by: Jocelyn Harimon Date: 03/15/2023

Incident ID	nAPP2233440335
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Facility ID	
Application ID	

## Remediation Plan

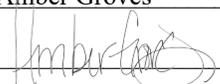
**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Amber Groves Title: Remediation Specialist  
 Signature:  Date: 3/15/2023  
 email: agroves@durangomidstream.com Telephone: 575-703-7992

**OCD Only**

Received by: Jocelyn Harimon Date: 03/15/2023

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2233440335
District RP	
Facility ID	
Application ID	

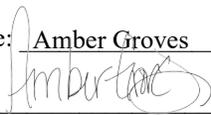
## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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.

Printed Name: Amber Groves Title: Remediation Specialist  
 Signature:  Date: 3/15/2023  
 email: agroves@durangomidstream.com Telephone: 575-703-7992

**OCD Only**

Received by: Jocelyn Harimon Date: 03/15/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 03/22/2023  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A



## HUNGRY HORSE, LLC

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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 M (SW/SW), Section 30, Township 19 South, Range 33 East, approximately sixteen miles south of Maljamar, in Lea County, New Mexico. The site is located on Bureau of Land Management land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active pipeline; Latitude 32.627478 North, Longitude 103.710870 West. The Initial NMOCD Form C-141 indicated that on November 26, 2022 approximately 10.7 bbls of condensate and 96.9 Mcf of natural gas was released due to internal and external corrosion. A crew was dispatched to the release site and the line was repaired. A second release occurred on November 29, 2022, at the same location. The Initial NMOCD Form C-141 indicated that approximately 22.48 bbls of condensate and 96.9 Mcf of natural gas was released due to internal and external corrosion. These two releases were remediated concurrently. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

### 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. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

No water wells were located within a half mile of the release area, therefore depth to groundwater could not be determined. Consequently, the site was delineated and further 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
undetermined	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



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### **Delineation and Remediation Activities:**

On February 13, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the excavated area. On February 16, 2023, the release area was sampled. During the sampling event, a hand augered soil bore was advanced within the excavated area in an effort to determine the vertical extent of contamination. This sample location is identified by SP designation. In addition, hand augered soil bores were advanced along the outside edges of the excavated area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the soil bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, ten representative soil samples, two from each sample location, were selected for laboratory analysis. Delineation soil samples SP1, and HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 at Surface and SP1 at five feet bgs, which exhibited TPH and chloride concentrations in excess of NMOCD Closure Criteria.

From February 17-23, 2023, the sidewalls and floor of the excavation were expanded. Excavated soil was temporarily stockpiled on site, atop plastic, before transport to an NMOCD approved disposal facility.

On February 21, 2023, the NMOCD was contacted and a ninety-day extension was requested due to delays in receiving BLM Archaeological Clearance. On February 21, 2023, the NMOCD approved a ninety-day extension, moving the completion date to May 21, 2023. NMOCD correspondence is provided in Attachment II.

The excavated area measured approximately fifty-four feet in length, fifty feet in width, and six feet in depth. During remediation activities approximately 552 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility. Manifests can be provided upon request.

On February 24, 2023, twenty-two composite confirmation soil samples were collected from the excavation floor and sidewalls, every 200 square feet and every 50 linear feet, respectively. Soil samples FL1 through FL12 and SW1 through SW10 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

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



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Laboratory Analytical Reports are provided as Attachment VI.

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

Based upon laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, clean, non-impacted material. The area was contoured to achieve erosion control and preserve surface water flow. The affected area will be reseeded with an approved seed mixture during the first favorable growing season following these completed remediation activities.

**Closure Request:**

Remediation 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, Frontier Field Services, LLC respectfully requests closure of the Geronimo 6" (2) location, nAPP2233440335.

**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.



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**Distribution:**

**Frontier Field Services, LLC**

47 Conoco Rd.  
Maljamar, NM 88264

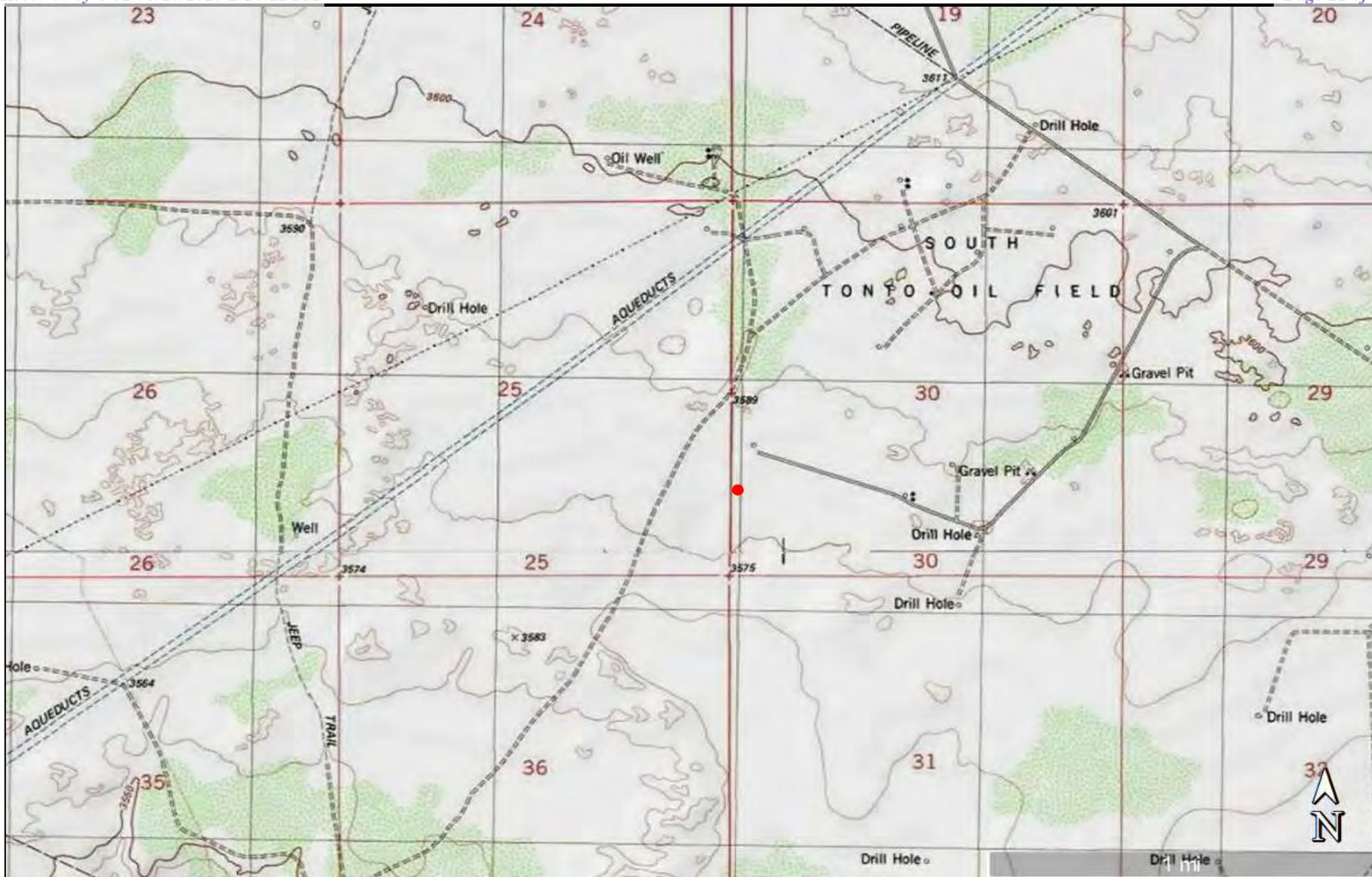
**New Mexico Energy, Minerals and Natural Resources Department**

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

**New Mexico Bureau of Land Management**

620 E. Greene St  
Carlsbad, NM 88220

## **Figures**



**Figure 1**

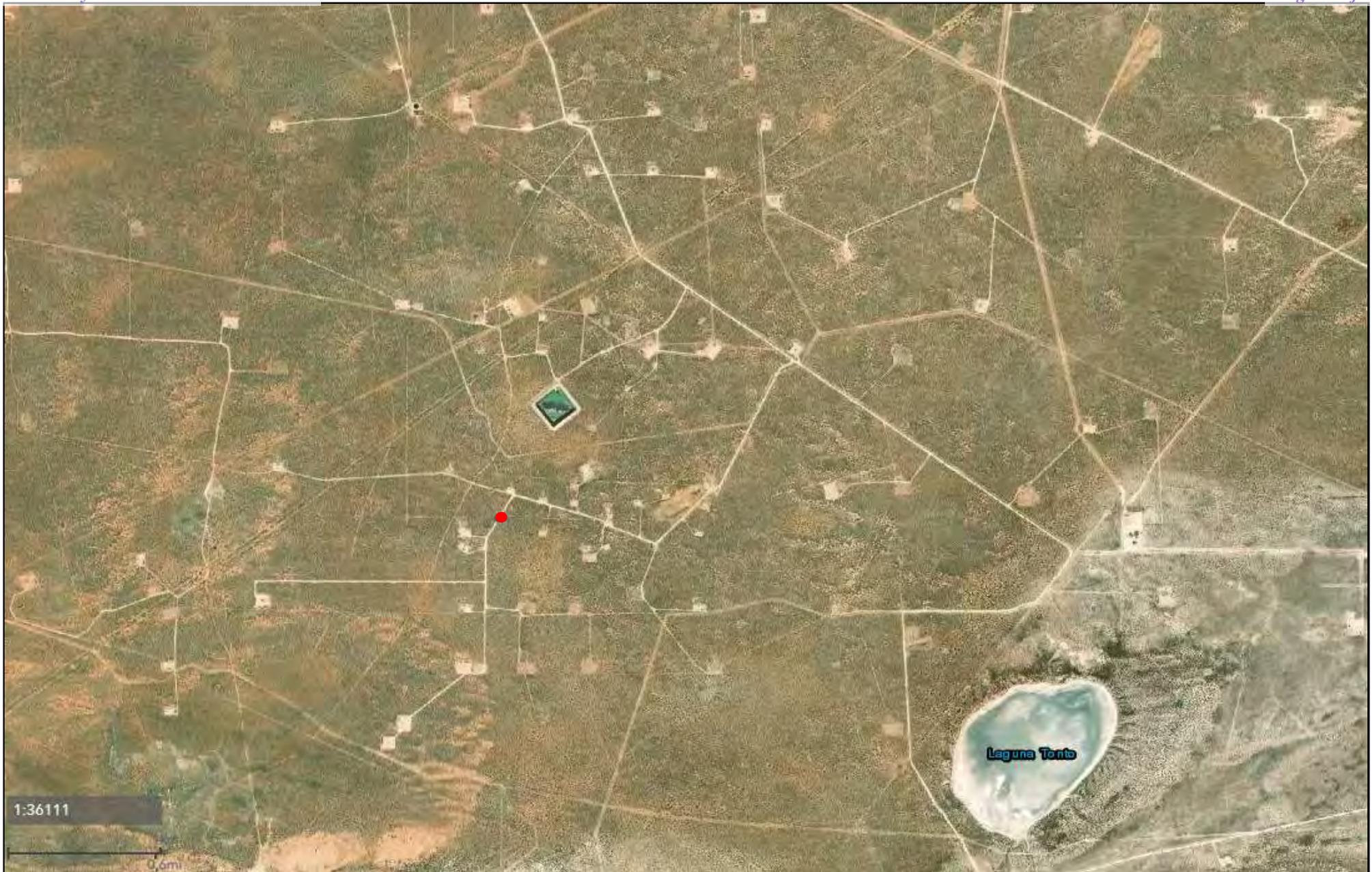
Topographic Map  
 Frontier Field Services, LLC  
 Geronimo 6"  
 GPS: 32.62748, -103.71086  
 Lea County

**Legend:**

● Geronimo 6" Location

Drafted: dd  
 Checked: bw  
 Date: 2/13/23





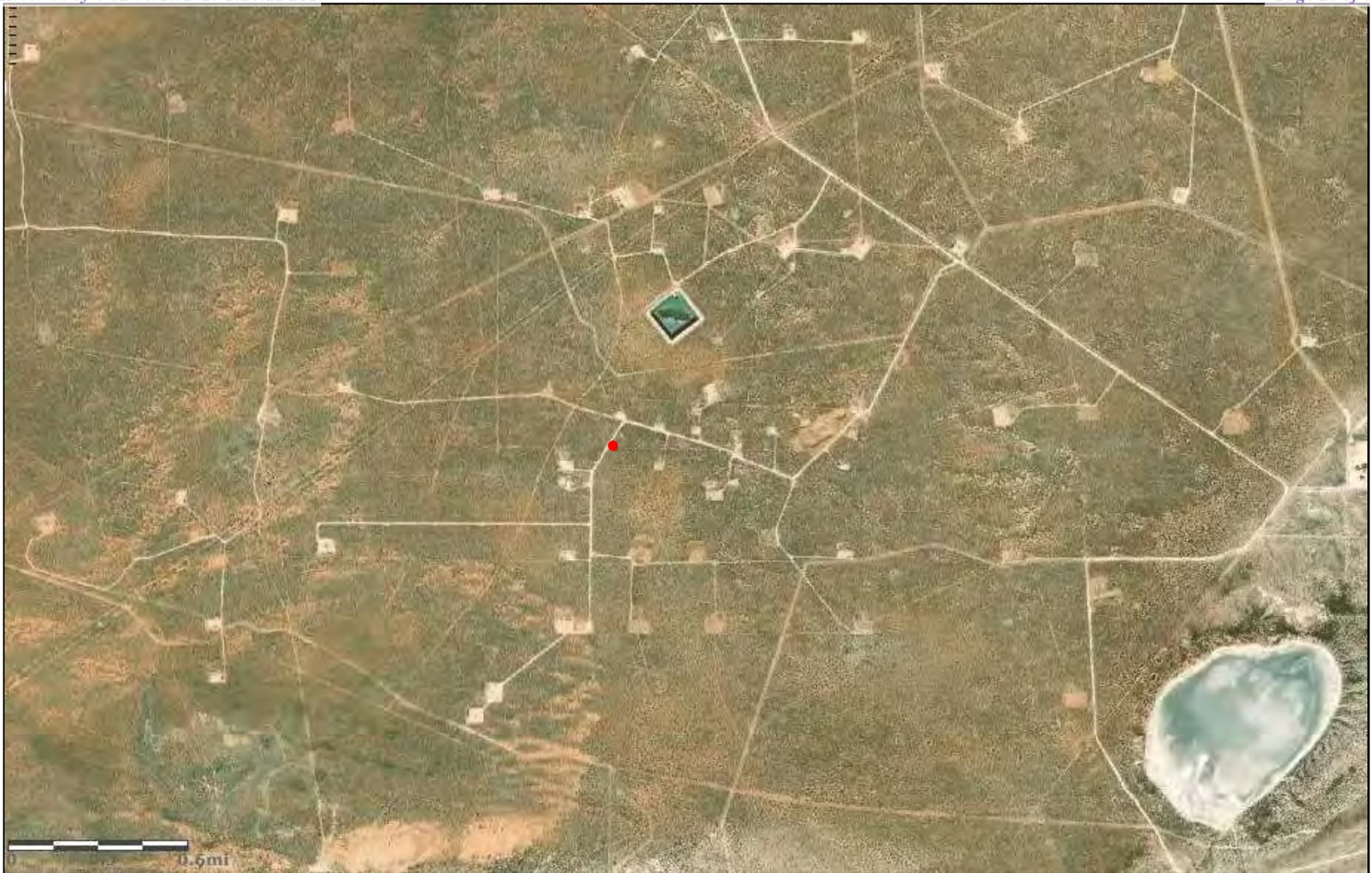
**Figure 2**  
OSE POD Locations Map  
Frontier Field Services, LLC  
Geronimo 6"  
GPS: 32.62748, -103.71086  
Lea County

**Legend:**

- Geronimo 6" Location

Drafted: dd  
Checked: bw  
Date: 2/13/23





**Figure 3**

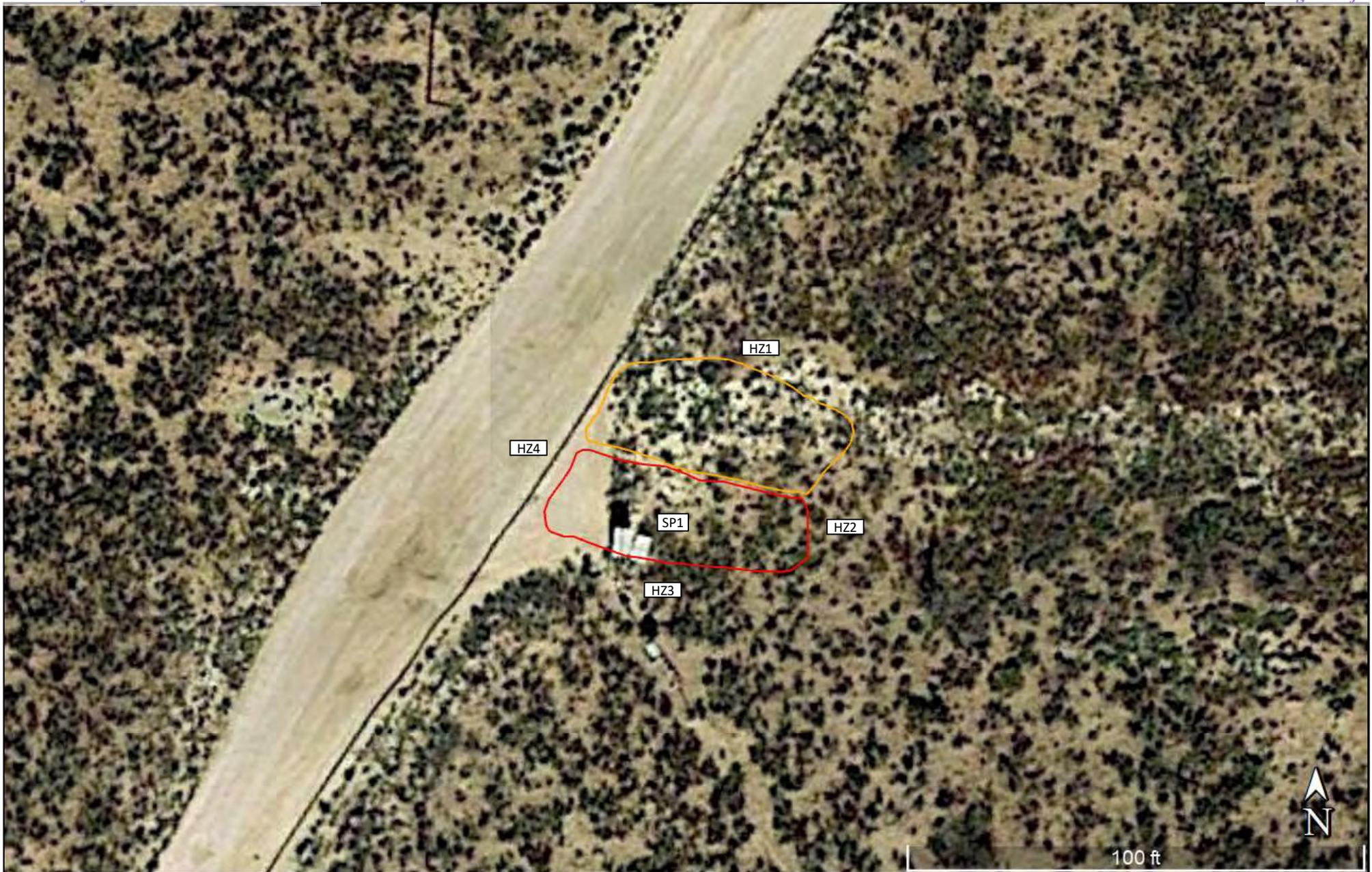
USGS Well Locations Map  
Frontier Field Services, LLC  
Geronimo 6"  
GPS: 32.62748, -103.71086  
Lea County

**Legend:**

● Geronimo 6" Location

Drafted: dd  
Checked: bw  
Date: 2/13/23





**Figure 4**

Delineation Sample Map  
Frontier Field Services, LLC  
Geronimo 6"  
GPS: 32.62748, -103.71086  
Lea County

**Legend:**

-  Excavation
-  Contaminated Stockpile
-  Delineation Sample Location

Drafted: dd  
Checked: bw  
Date: 2/13/23





**Figure 5**

Excavation Sample Map  
 Frontier Field Services, LLC  
 Geronimo 6"  
 GPS: 32.62748, -103.71086  
 Lea County

**Legend:**

-  Excavated Area
-  Composite Confirmation Sample Location

Drafted: dd  
 Checked: bw  
 Date: 2/23/23



## **Table**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Frontier Field Services, LLC**  
**Geronimo 6"**  
**NMOCD Ref. #: nAPP2233326239; nAPP2233440335**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP1	2/16/23	Surf	Excavated	<0.050	<b>53.4</b>	686	3,000	3,686	514	<b>4,200</b>	<b>2,880</b>
	2/16/23	5	Excavated	<0.050	<b>5.2</b>	168	4000	4,168	979	<b>5,147</b>	<b>4,480</b>
HZ1	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ2	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL1	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL2	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL3	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL4	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL5	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL6	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL7	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL8	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL9	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL10	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL11	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	15.2	<20.0	<10.0	<30.0	224
FL12	2/24/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW1	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW2	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW3	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW4	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW5	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW6	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW7	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW8	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW9	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW10	2/24/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

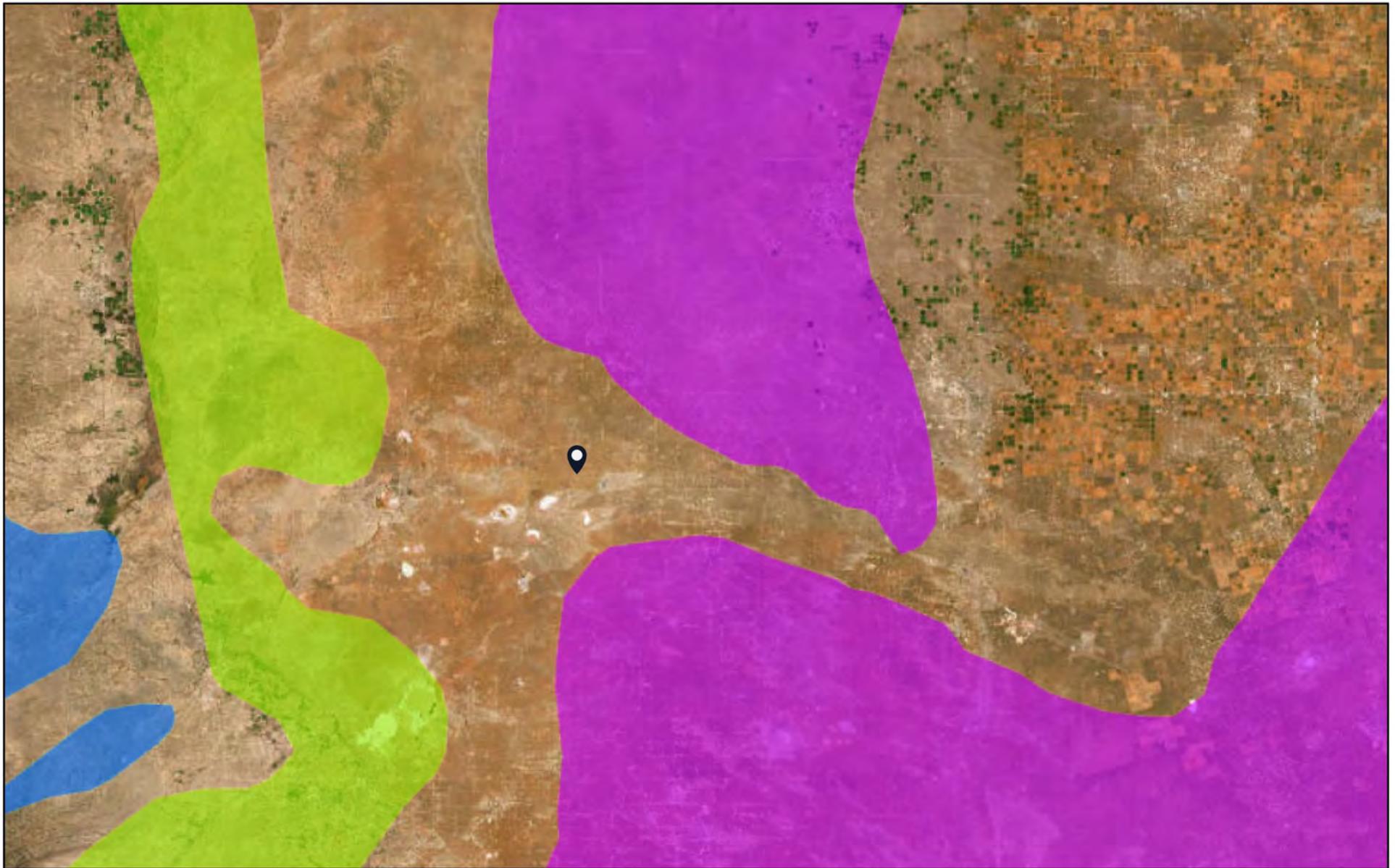
- = Sample not analyzed for that constituent.

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

# **Attachment I**

## **Karst and Wetland Maps**

# Geronimo 6"



3/2/2023

Karst Type

Carbonate

Erosional

Gypsum

Volcanic

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

150m Resolution Metadata

1:879,206

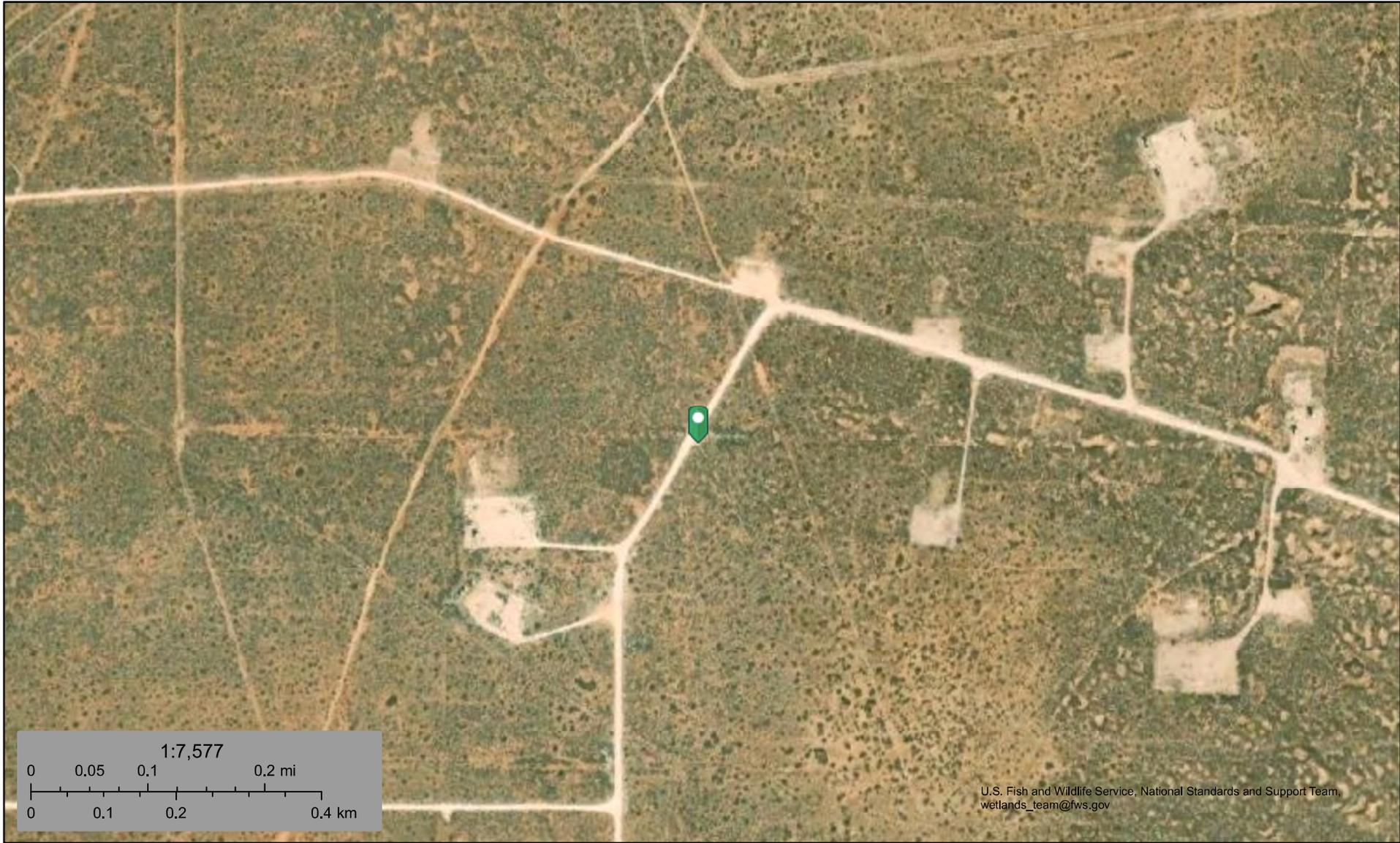
0 5 10 20 mi

0 10 20 40 km

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



# Geronimo 6"



March 2, 2023

### Wetlands

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

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

**Attachment II**  
**NMOCD Correspondence**

**Daniel Dominguez**

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**From:** Amber Groves <AGroves@durangomidstream.com>  
**Sent:** Tuesday, February 21, 2023 1:25 PM  
**To:** Daniel Dominguez  
**Subject:** FW: [EXTERNAL] nAPP2233440335 Geronimo 6" (2) Extension Request

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**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrn.dnm.gov>  
**Sent:** Tuesday, February 21, 2023 1:24 PM  
**To:** Amber Groves <AGroves@durangomidstream.com>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrn.dnm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.dnm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrn.dnm.gov>  
**Subject:** RE: [EXTERNAL] nAPP2233440335 Geronimo 6" (2) Extension Request

Hello Amber

OCD approves your request for a 90-day extension to may 21, 2023 to submit a remediation plan or closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

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**From:** Amber Groves <[AGroves@durangomidstream.com](mailto:AGroves@durangomidstream.com)>  
**Sent:** Tuesday, February 21, 2023 1:15 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrn.dnm.gov](mailto:Robert.Hamlet@emnrn.dnm.gov)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@emnrn.dnm.gov](mailto:Jocelyn.Harimon@emnrn.dnm.gov)>; Nobui, Jennifer, EMNRD <[Jennifer.Nobui@emnrn.dnm.gov](mailto:Jennifer.Nobui@emnrn.dnm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrn.dnm.gov](mailto:Nelson.Velez@emnrn.dnm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrn.dnm.gov](mailto:mike.bratcher@emnrn.dnm.gov)>; Chad Frost <[Cfrost@durangomidstream.com](mailto:Cfrost@durangomidstream.com)>; Daniel Dominguez <[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)>  
**Subject:** [EXTERNAL] nAPP2233440335 Geronimo 6" (2) Extension Request

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

Good Afternoon,

Frontier Field Services would like to request a 90 day extension for nAPP2233440335 Geronimo 6" (2). I submitted a KMZ to BLM in November, but just received ARCH clearance on February 17<sup>th</sup>. Please feel free to give me a call should you have any questions.

Thank you,

**Amber Groves | Sr. Environmental Specialist**  
**Mobile 575.703.7992**



<https://www.durangomidstream.com/agroves@durangomidstream.com>

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**Daniel Dominguez**

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**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Wednesday, February 22, 2023 9:53 AM  
**To:** Daniel Dominguez  
**Cc:** Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD  
**Subject:** RE: [EXTERNAL] Closure Sampling

Daniel,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



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**From:** Daniel Dominguez <ddominguez@hungry-horse.com>  
**Sent:** Wednesday, February 22, 2023 5:44 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Closure Sampling

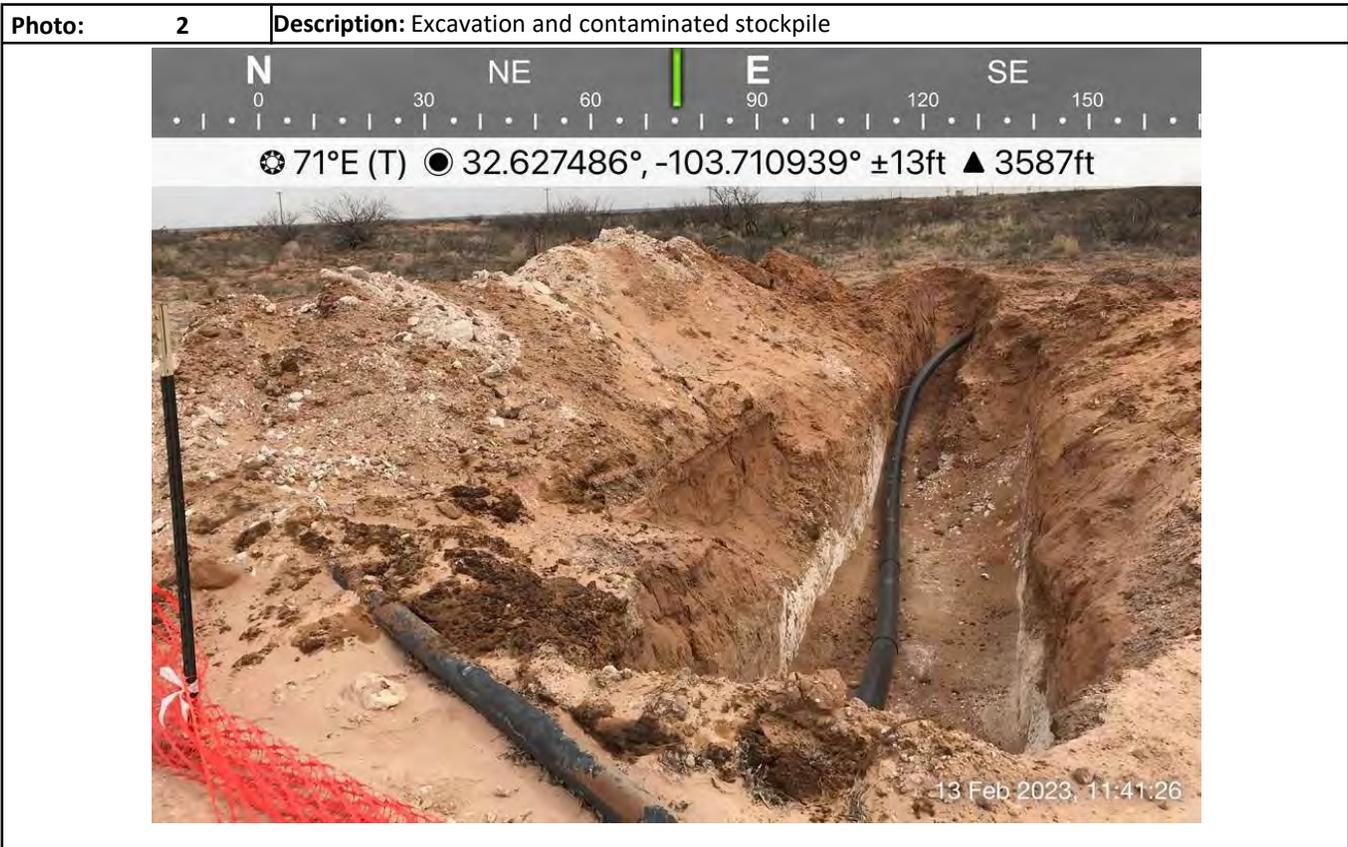
**CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.**

We will be collecting additional closure samples at the Geronimo 6" (nAPP2233326239) and the Geronimo 6" (2) (nAPP2233440335) on Friday February 24, 2023 at 7 am.  
This is our 2 day notice.

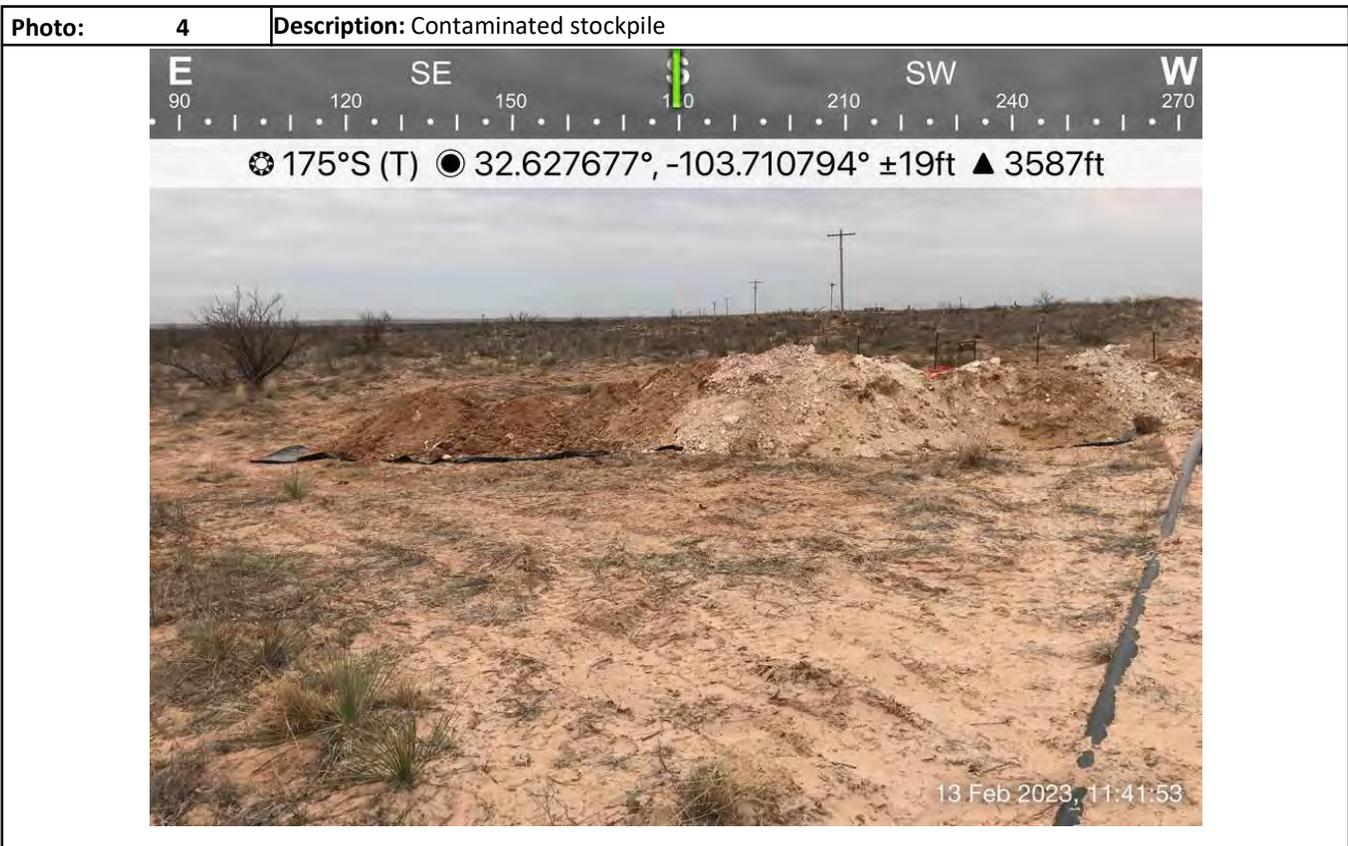
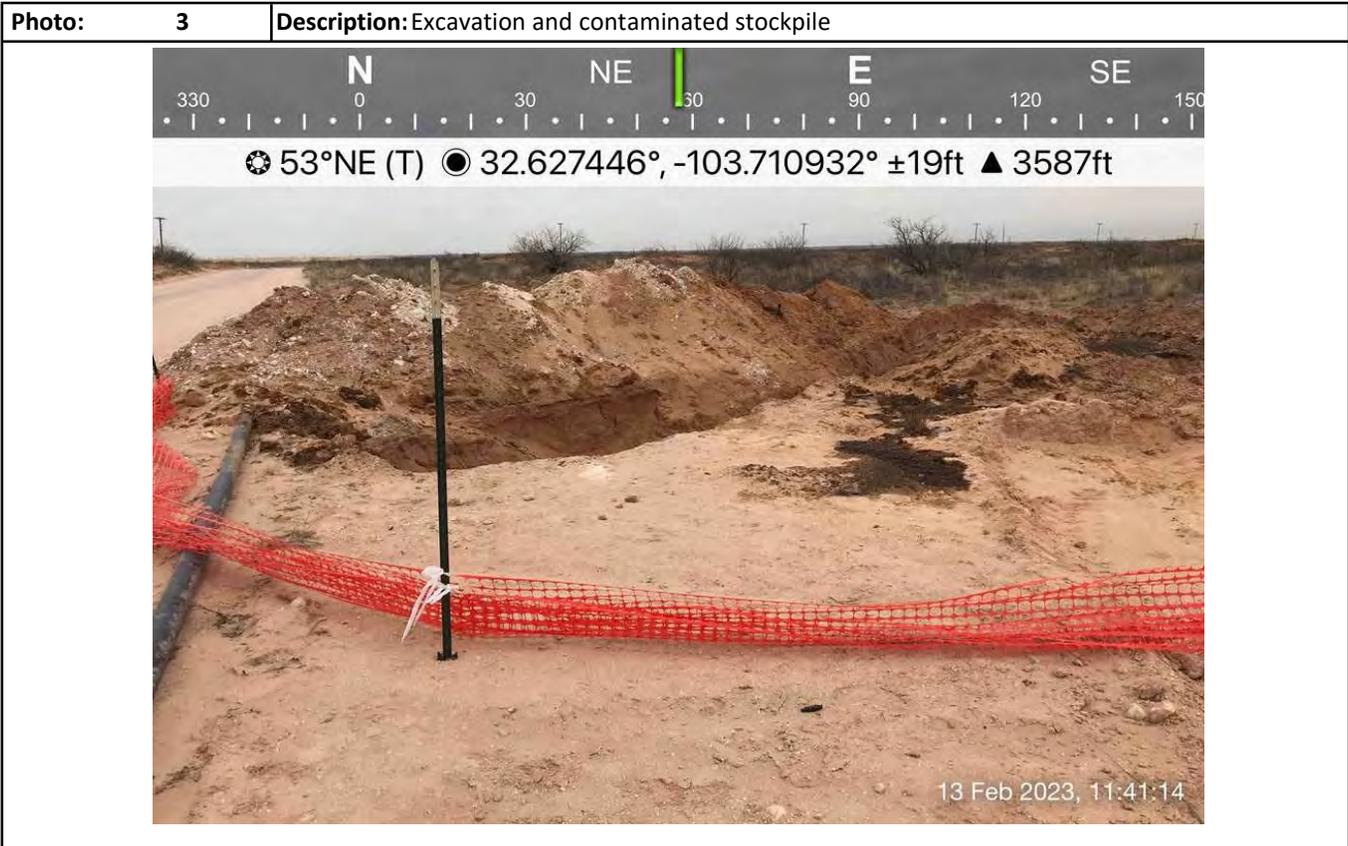
Daniel Dominguez  
Environmental Manager  
Hungry Horse, LLC  
(mobile) 575-408-3134  
[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

## **Attachment III Site Photographs**

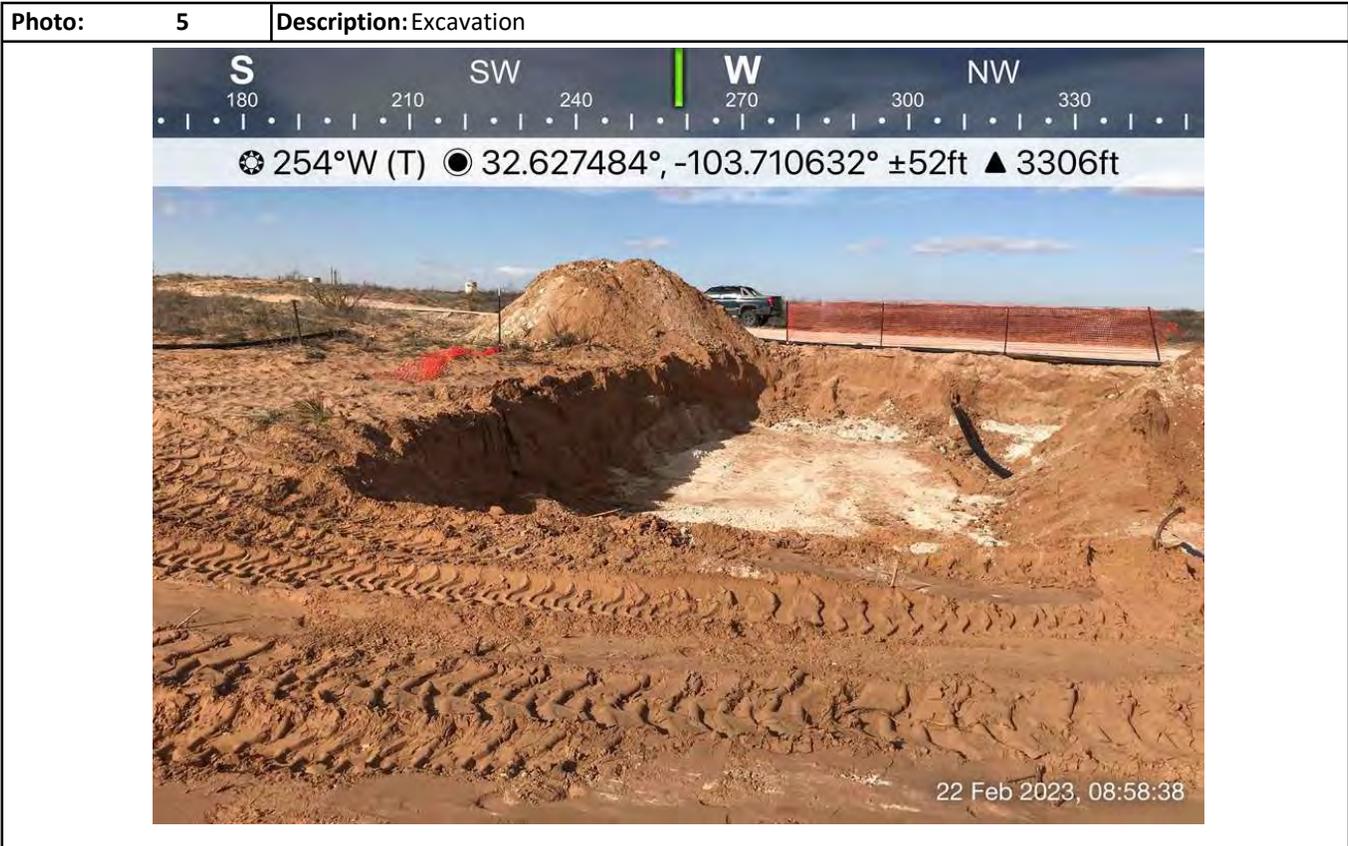
# Photographs



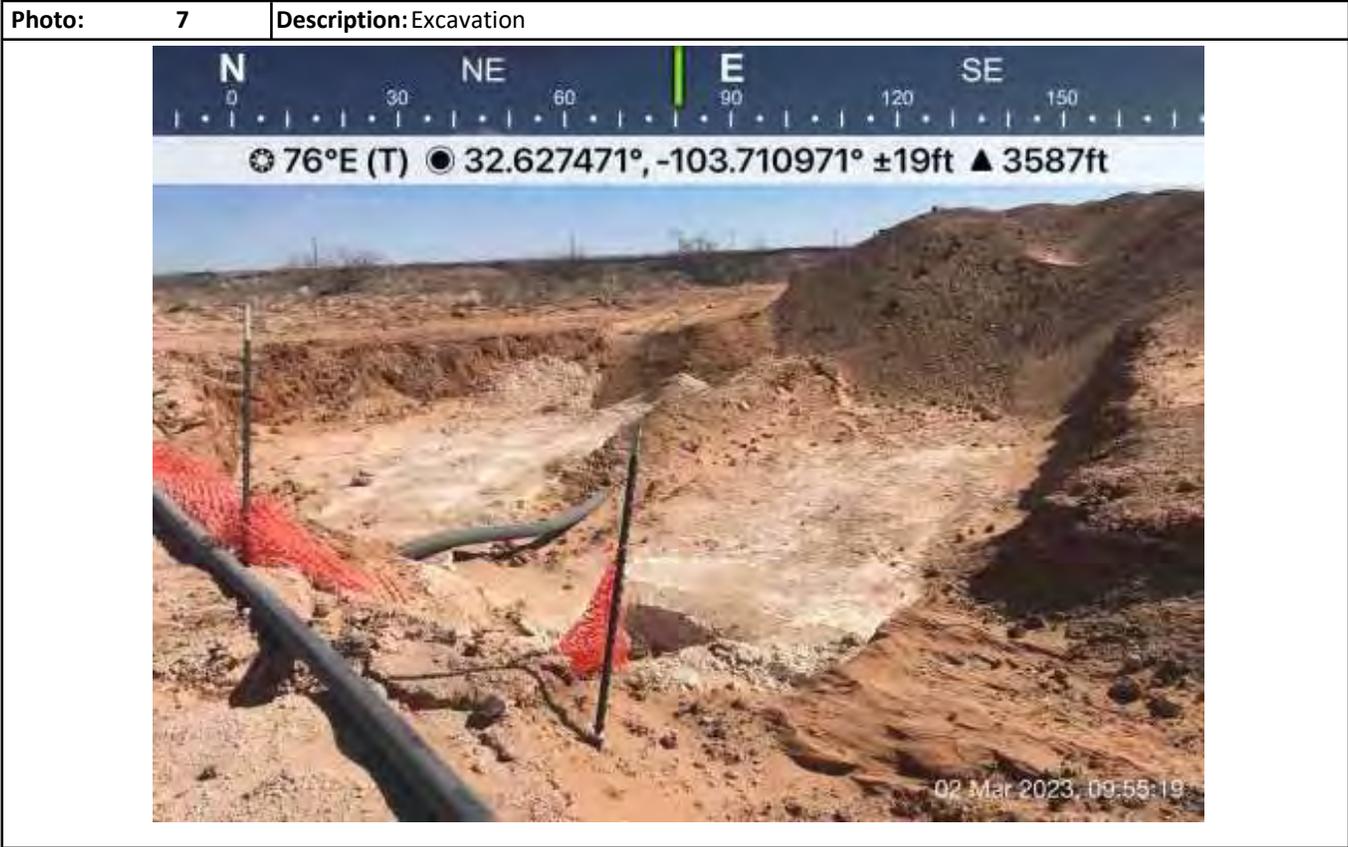
### Photographs



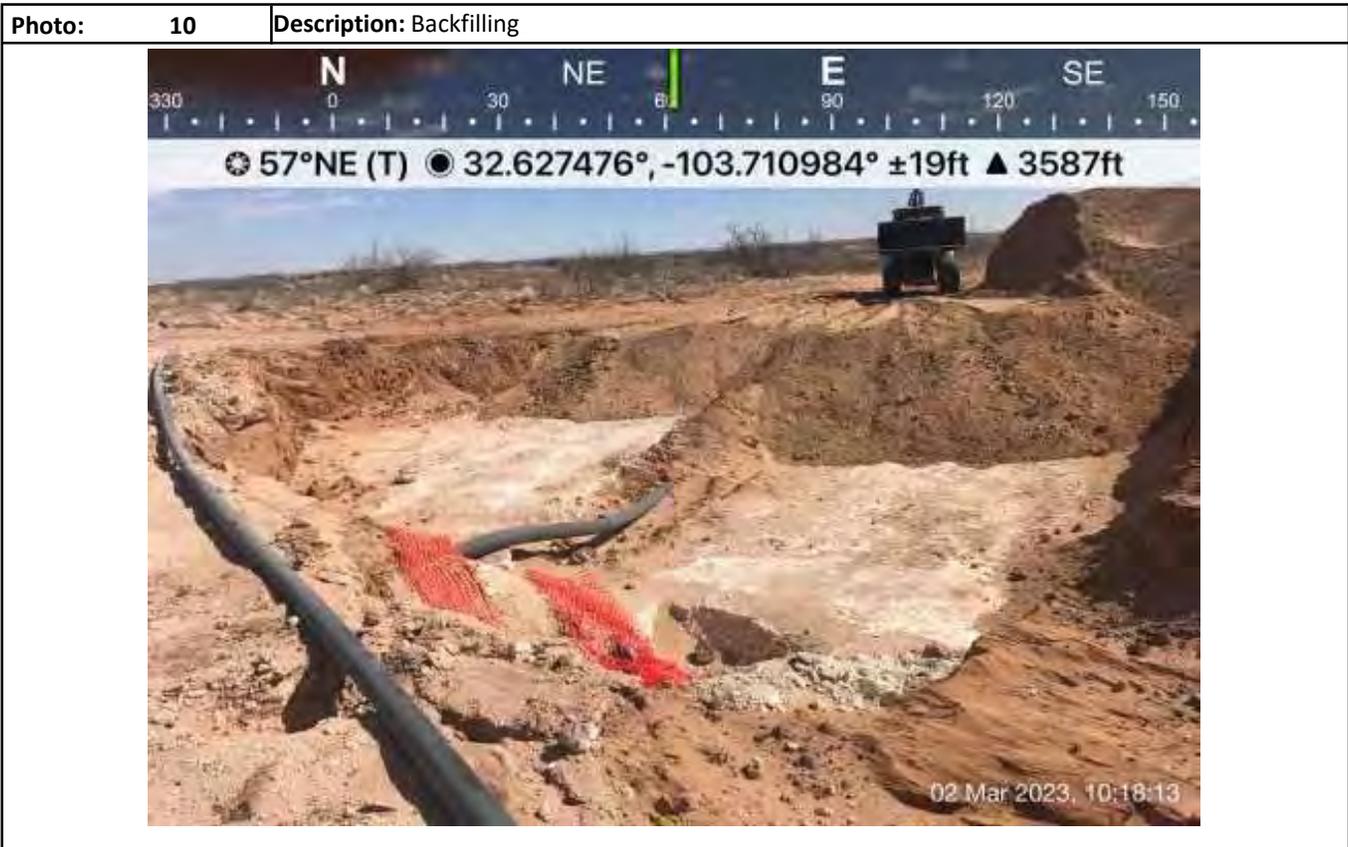
# Photographs



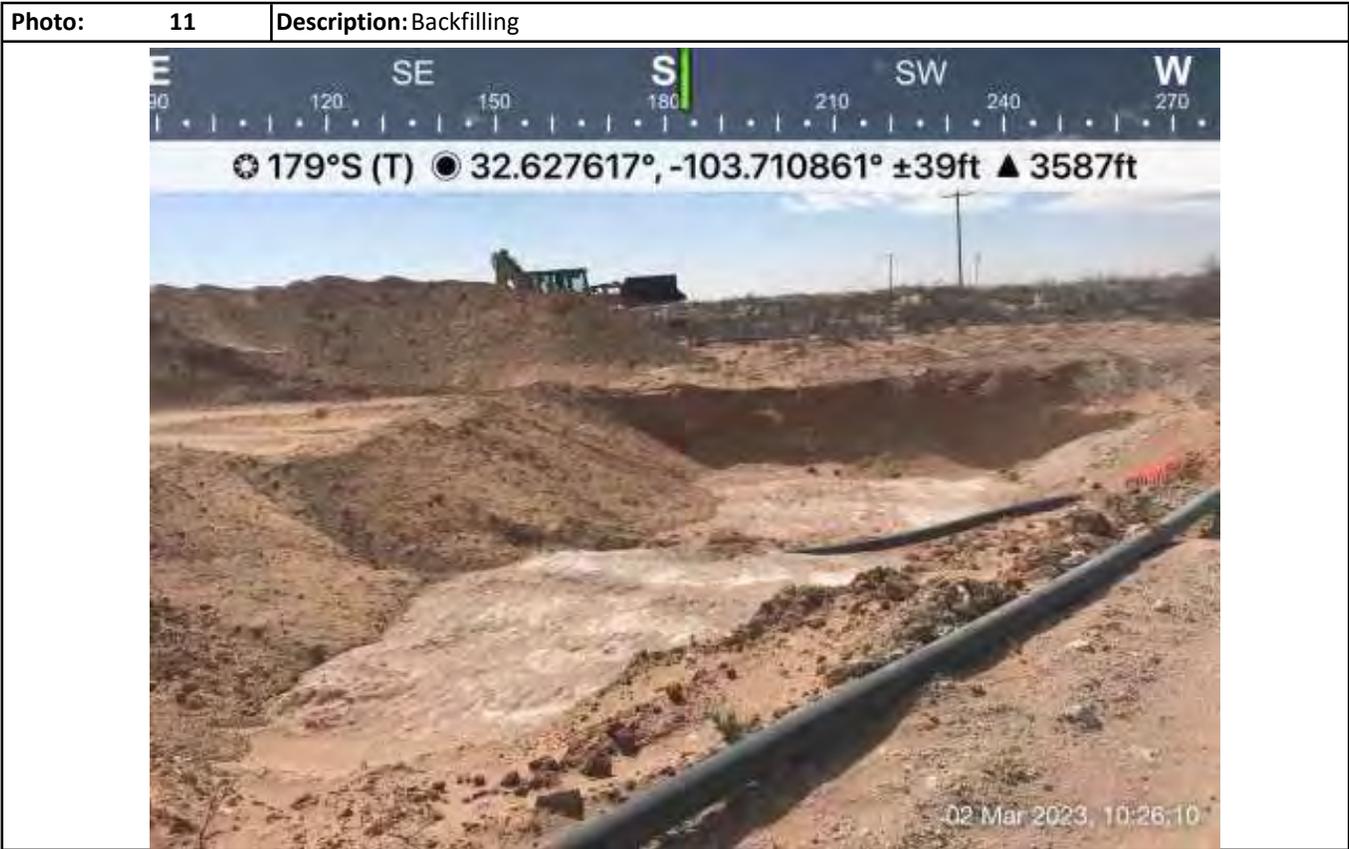
### Photographs



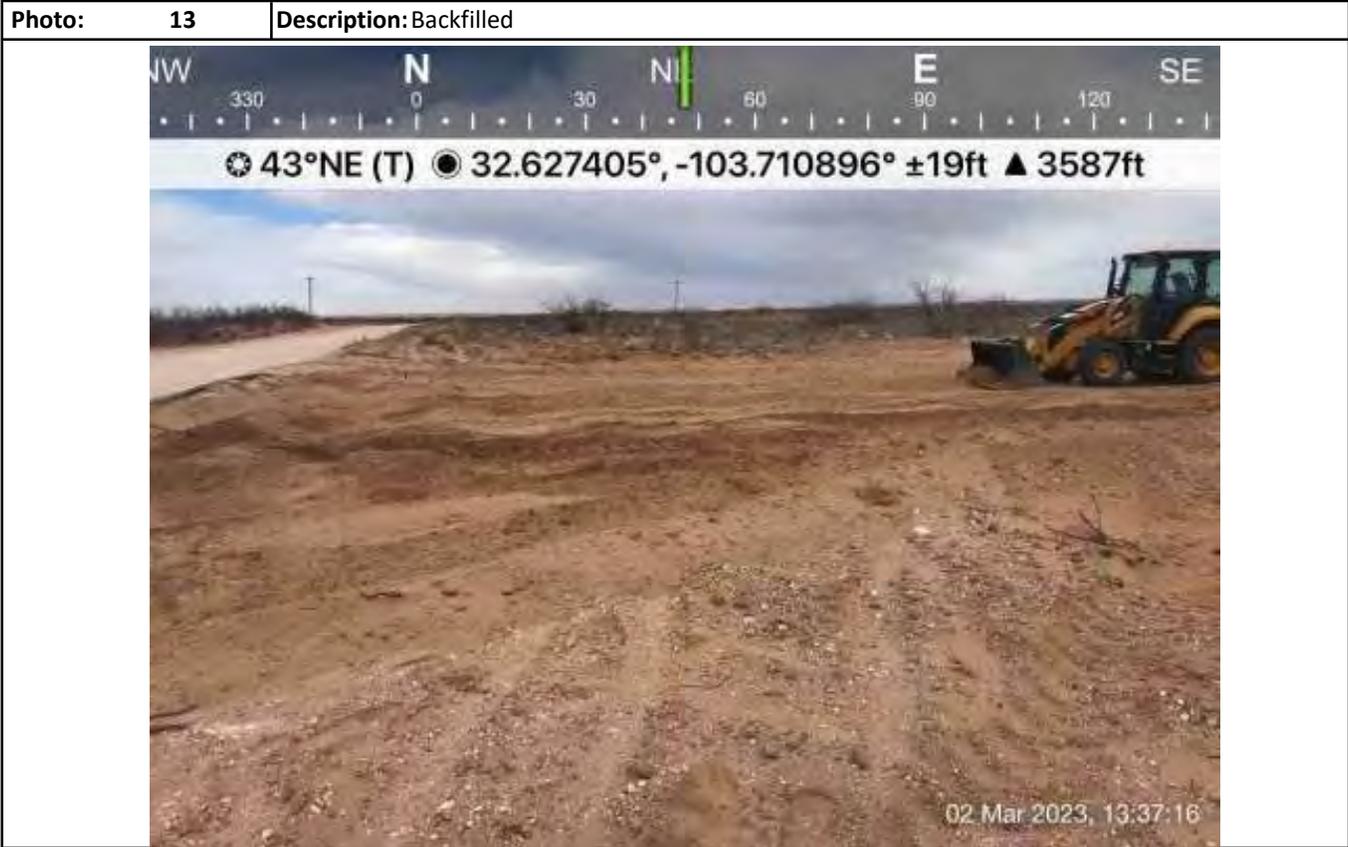
### Photographs



### Photographs



### Photographs



## **Attachment IV Depth to Groundwater**



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

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No wells found.

**UTMNA83 Radius Search (in meters):**

**Easting (X):** 620933.91

**Northing (Y):** 3610724.19

**Radius:** 805

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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.

2/14/23 10:26 AM

WELLS WITH WELL LOG INFORMATION

## **Attachment V Field Data**



**Attachment VI**  
**Laboratory Analytical Reports**



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

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February 23, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GERONIMO 6"

Enclosed are the results of analyses for samples received by the laboratory on 02/17/23 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SP 1 - SURF (H230765-01)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/22/2023	ND	1.91	95.5	2.00	6.83	
<b>Toluene*</b>	<b>7.69</b>	0.500	02/22/2023	ND	2.02	101	2.00	10.5	
<b>Ethylbenzene*</b>	<b>11.0</b>	0.500	02/22/2023	ND	2.26	113	2.00	13.0	
<b>Total Xylenes*</b>	<b>34.7</b>	1.50	02/22/2023	ND	7.11	118	6.00	13.7	
<b>Total BTEX</b>	<b>53.4</b>	3.00	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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
<b>Chloride</b>	<b>2880</b>	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>686</b>	50.0	02/21/2023	ND	217	109	200	4.62		
<b>DRO &gt;C10-C28*</b>	<b>3000</b>	50.0	02/21/2023	ND	221	111	200	6.49		
<b>EXT DRO &gt;C28-C36</b>	<b>514</b>	50.0	02/21/2023	ND						

Surrogate: 1-Chlorooctane 152 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SP 1 - 5' (H230765-02)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2023	ND	1.91	95.5	2.00	6.83	
<b>Toluene*</b>	<b>0.373</b>	0.050	02/23/2023	ND	2.02	101	2.00	10.5	
<b>Ethylbenzene*</b>	<b>0.766</b>	0.050	02/23/2023	ND	2.26	113	2.00	13.0	
<b>Total Xylenes*</b>	<b>4.06</b>	0.150	02/23/2023	ND	7.11	118	6.00	13.7	
<b>Total BTEX</b>	<b>5.20</b>	0.300	02/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4480</b>	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>168</b>	50.0	02/21/2023	ND	217	109	200	4.62	
<b>DRO &gt;C10-C28*</b>	<b>4000</b>	50.0	02/21/2023	ND	221	111	200	6.49	
<b>EXT DRO &gt;C28-C36</b>	<b>979</b>	50.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 1 - SURF (H230765-03)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/22/2023	ND	1.91	95.5	2.00	6.83		
Toluene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	10.5		
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.26	113	2.00	13.0		
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.11	118	6.00	13.7		
Total BTEX	<0.300	0.300	02/22/2023	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	02/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	217	109	200	4.62		
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	221	111	200	6.49		
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 1 - 1' (H230765-04)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 2 - SURF (H230765-05)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 2 - 1' (H230765-06)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	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	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 3 - SURF (H230765-07)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	224	112	200	0.363	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	230	115	200	0.0517	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 3 - 1' (H230765-08)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	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	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	224	112	200	0.363	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	230	115	200	0.0517	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 4 - SURF (H230765-09)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	224	112	200	0.363	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	230	115	200	0.0517	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 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:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: HZ 4 - 1' (H230765-10)**

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	02/22/2023	ND	2.17	109	2.00	10.3	
Toluene*	<0.050	0.050	02/22/2023	ND	2.45	123	2.00	19.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.03	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.36	106	6.00	3.50	
Total BTEX	<0.300	0.300	02/22/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	224	112	200	0.363	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	230	115	200	0.0517	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					

Surrogate: 1-Chlorooctane 112 % 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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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.
QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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		P.O. #:	
Project Manager: Daniel Dominguez		Company: Frontier Field Services, LLC	
Address: PO Box 1058		Attn: Amber Groves	
City: Hobbs	State: NM	Zip: 88241	Address: 47 Conocco Rd
Phone #: 575 393-3386	Fax #:	City: Maljamar	State: NM
Project #:	Project Owner: Frontier Field Services, LLC	Zip: 88264	Phone #: 575-703-7992
Project Name: Geronimo 6"			Fax #:
Project Location: U/ M Sec 30 T19S - R33E			
Sampler Name: Eli Dominguez			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
1	SP1-Surf	C	1	X							2/16/23		X	X	X	
2	SP1-5'	C	1	X							2/16/23		X	X	X	
3	HZ1-Surf	C	1	X							2/16/23		X	X	X	
4	HZ1-1'	C	1	X							2/16/23		X	X	X	
5	HZ2-Surf	C	1	X							2/16/23		X	X	X	
6	HZ2-1'	C	1	X							2/16/23		X	X	X	
7	HZ3-Surf	C	1	X							2/16/23		X	X	X	
8	HZ3-1'	C	1	X							2/16/23		X	X	X	
9	HZ4-Surf	C	1	X							2/16/23		X	X	X	
10	HZ4-1'	C	1	X							2/16/23		X	X	X	

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Relinquished By: <i>Eli Dominguez</i>	Date: 2/17/23	Received By: <i>Spadoniery</i>
Time: 1540		
Date:		
Time:		

Delivered By: (Circle One) <u>3.8.1 C.O.U.</u>	Sample Condition	CHECKED BY: <i>(Initials)</i>
Sampler - UPS - Bus - Other: <u>3.22 #113</u>	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	
	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

REMARKS: Email results to: pm@hungry-horse.com  
 agraves@durangomidstream.com



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

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February 28, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GERONIMO 6"

Enclosed are the results of analyses for samples received by the laboratory on 02/24/23 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 1 (H230875-01)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 2 (H230875-02)**

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	02/28/2023	ND	2.10	105	2.00	5.29		
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26		
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29		
Total BTEX	<0.300	0.300	02/28/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60		
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	186	93.2	200	5.88		
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 3 (H230875-03)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 4 (H230875-04)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 5 (H230875-05)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 100 % 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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**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 6 (H230875-06)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 7 (H230875-07)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 8 (H230875-08)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 9 (H230875-09)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: SW 10 (H230875-10)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 1 (H230875-11)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 2 (H230875-12)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 3 (H230875-13)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 4 (H230875-14)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 5 (H230875-15)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 6 (H230875-16)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 7 (H230875-17)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 8 (H230875-18)**

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	02/28/2023	ND	2.10	105	2.00	5.29	
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 9 (H230875-19)**

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	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 10 (H230875-20)**

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	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	96.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 11 (H230875-21)**

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	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
<b>DRO &gt;C10-C28*</b>	<b>15.2</b>	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	GERONIMO 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/ M SEC 30 T19S - R33E		

**Sample ID: FL 12 (H230875-22)**

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	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/27/2023	ND	400	100	400	7.69	

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	02/27/2023	ND	224	112	200	0.0321	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	216	108	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**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



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: Hungry Horse LLC	<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: Daniel Dominguez	P.O. #:	Company: Frontier Field Services, LLC		
Address: PO Box 1058	City: Hobbs	State: NM	Zip: 88241	Attn: Amber Groves
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd	City: Maljamar	State: NM
Project #: _____	Project Owner: Frontier Field Services, LLC	City: _____	State: NM	Zip: 88264
Project Name: Geronimo 6"	Project Location: U/L M Sec 30 T19S - R33E	Phone #: 575-703-7992	Fax #:	
Sampler Name: Eli Dominguez				

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
1	SW1	C	1	X							2/24/23		X	X	X	
2	SW2	C	1	X							2/24/23		X	X	X	
3	SW3	C	1	X							2/24/23		X	X	X	
4	SW4	C	1	X							2/24/23		X	X	X	
5	SW5	C	1	X							2/24/23		X	X	X	
6	SW6	C	1	X							2/24/23		X	X	X	
7	SW7	C	1	X							2/24/23		X	X	X	
8	SW8	C	1	X							2/24/23		X	X	X	
9	SW9	C	1	X							2/24/23		X	X	X	
10	SW10	C	1	X							2/24/23		X	X	X	

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Relinquished By: _____	Date: 2/21/23	Received By: <i>Shedrick</i>	Date: 2/24/23
Time: 1526	Time: _____	Time: _____	Time: _____

Delivered By: (Circle One) <i>575-393-0002</i>	Sample Condition	CHECKED BY: <i>SR</i>
Sampler - UPS - Bus - Other: <i>512 #113</i>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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

REMARKS:

Phone Result:  Yes  No  Add'l Phone #:

Fax Result:  Yes  No  Add'l Fax #:

Email results to: pm@hungry-horse.com  
 agroves@durangomidstream.com





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: PO Box 1058  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575 393-3386 Fax #:   
 Project #: Frontier Field Services, LLC  
 Project Name: Geronimo 6"  
 Project Location: UL/ M Sec 30 T19S - R33E  
 Sampler Name: Eli Dominguez  
 P.O. #:   
 Company: Frontier Field Services, LLC  
 Attn: Amber Groves  
 Address: 47 Conoco Rd  
 City: Maljamar  
 State: NM Zip: 88264  
 Phone #: 575-703-7992  
 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 :	ACID/BASE:					
1130875	FL11	C	1	X						2/24/23		X	X	X	
21	FL12	C	1	X						2/24/23		X	X	X	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether tested in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]*  
 Date: 2/24/23  
 Time: 5:28  
 Received By: *[Signature]*  
 Date:   
 Time:   
 Relinquished By: *[Signature]*  
 Date:   
 Time:   
 Received By: *[Signature]*

Delivered By: (Circle One) 575-90-0-0  
 Sampler - UPS - Bus - Other: 575-#113  
 Sample Condition: Cool  Intact   
 Yes  No   
 Checked By: *[Signature]*

REMARKS:  
 Email results to: pm@hungry-horse.com  
 agroves@durangomidstream.com

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

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

**Attachment VII**  
**NMOCD Form Initial C-141**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2233440335
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Frontier Field Services, LLC	OGRID 221115
Contact Name Amber Groves	Contact Telephone 575-703-7992
Contact email <a href="mailto:agroves@durangoimidstream.com">agroves@durangoimidstream.com</a>	Incident # (assigned by OCD)
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

### Location of Release Source

Latitude 32.62748 Longitude -103.71086  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Geronimo 6" (2)	Site Type Pipeline
Date Release Discovered 11/29/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	30	19S	33E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 22.48	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 96.90	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
Internal & external corrosion.

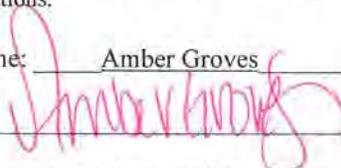
Oil Conservation Division

Incident ID	nAPP2233440335
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?    
---	--

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:    
Per 19.15.29.8 B, (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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.
Printed Name: <u>Amber Groves</u> Title: <u>Remediation Specialist</u> Signature:  Date: <u>11/30/2022</u> email: <u>agroves@durangomidstream.com</u> Telephone: <u>(575)703-7992</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	11/29/2022						
Site or Line Name:	Geronimo 6" Pipeline						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25	14	12	3	504	22.46	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravelly Sand	0.26				0	0.00	Gravelly Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X				0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D  
 Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)



### Gas Volume Release Report

Gas Release Volume Calculator		
Date:	11/29/2022	
Site or Line Name:	Geronimo 6" Pipeline	
Area of hole in pipe:	0.25	square inches
Absolute Pressure:	63.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Actual Temperature:	37	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	

Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - ACF	21.37	MACF
Volume of Gas - SCF	96.90	MSCF

Notes
Entered by user
Calculated Value
Constant

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

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

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

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 197524

**CONDITIONS**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 197524
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/22/2023