



## Remediation Summary and Closure Request

**Frontier Field Services, LLC**

**Chaves 10"**

**Chaves County, New Mexico**

**Unit Letter "E", Section 9, Township 15 South, Range 30 East**

**Latitude 33.033354 North, Longitude 103.936705 West**

**NMOCD Incident # nAPP2305044453**

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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

**June 2023**

*Bradley Wells*

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Project Manager

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Incident ID	nAPP2305044453
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.

### **Characterization Report Checklist: Each of the following items must be included in the report.**

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ 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.

State of New Mexico  
Oil Conservation Division

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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: Lupe Carrasco Title: Sr. Environmental Specialist  
Signature: *Lupe Carrasco* Date: 6/30/23  
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	nAPP2305044453
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## 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: Lupe Carrasco Title: Sr. Environmental Specialist  
Signature: Lupe Carrasco Date: 6/30/23  
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

Incident ID	nAPP2305044453
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: Lupe Carrasco Title: Sr. Environmental Specialist  
Signature: Lupe Carrasco Date: 6/30/23  
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: Nelson Velez Date: 09/22/2023  
Printed Name: Nelson Velez Title: Environmental Specialist – Adv



## 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 E (SW/NW), Section 9, Township 15 South, Range 30 East, approximately fifteen miles northeast of Loco Hills, in Chaves County, New Mexico. The location is on New Mexico State Trust land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active pipeline; Latitude 33.033354 North, Longitude 103.936705 West. The Initial NMOCD Form C-141 indicated that on February 19, 2023 approximately 60.08 bbls of condensate and 2,725.03 MCF natural gas were released due to external and internal corrosion on the pipeline. A crew was dispatched to the release site and the line was repaired. Approximately 31.07 bbls of fluid was recovered. 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 could be located within a half mile of the release area, therefore, depth to water 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 March 8, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area.

On May 31, 2023, the NMCOD was contacted and a ninety-day extension was requested while Frontier awaited receipt of NMSLO ROE. On June 1, 2023, the NMOCD approved a sixty-day extension, moving the completion date to July 31, 2023. NMOCD correspondence is provided in Attachment II.

On June 5, 2023, the excavation and release area were delineated. During delineation, sample test trenches were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the sample test trenches, 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, sixteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP4, 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 SP2 and SP3 at Surface, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

From June 5 through 9, 2023, the release area was excavated. Contaminated excavated soil was temporarily stockpiled onsite, atop plastic, before transport to an NMOCD approved disposal facility.

On June 14, 2023, twenty-five 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 FL18 and SW1 through SW7, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The excavated area measured approximately one hundred forty-five feet in length, eighteen to thirty-seven feet in width, and four to five feet in depth. During remediation activities approximately 636 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.



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 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 Chaves 10" location, nAPP2305044453.

**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

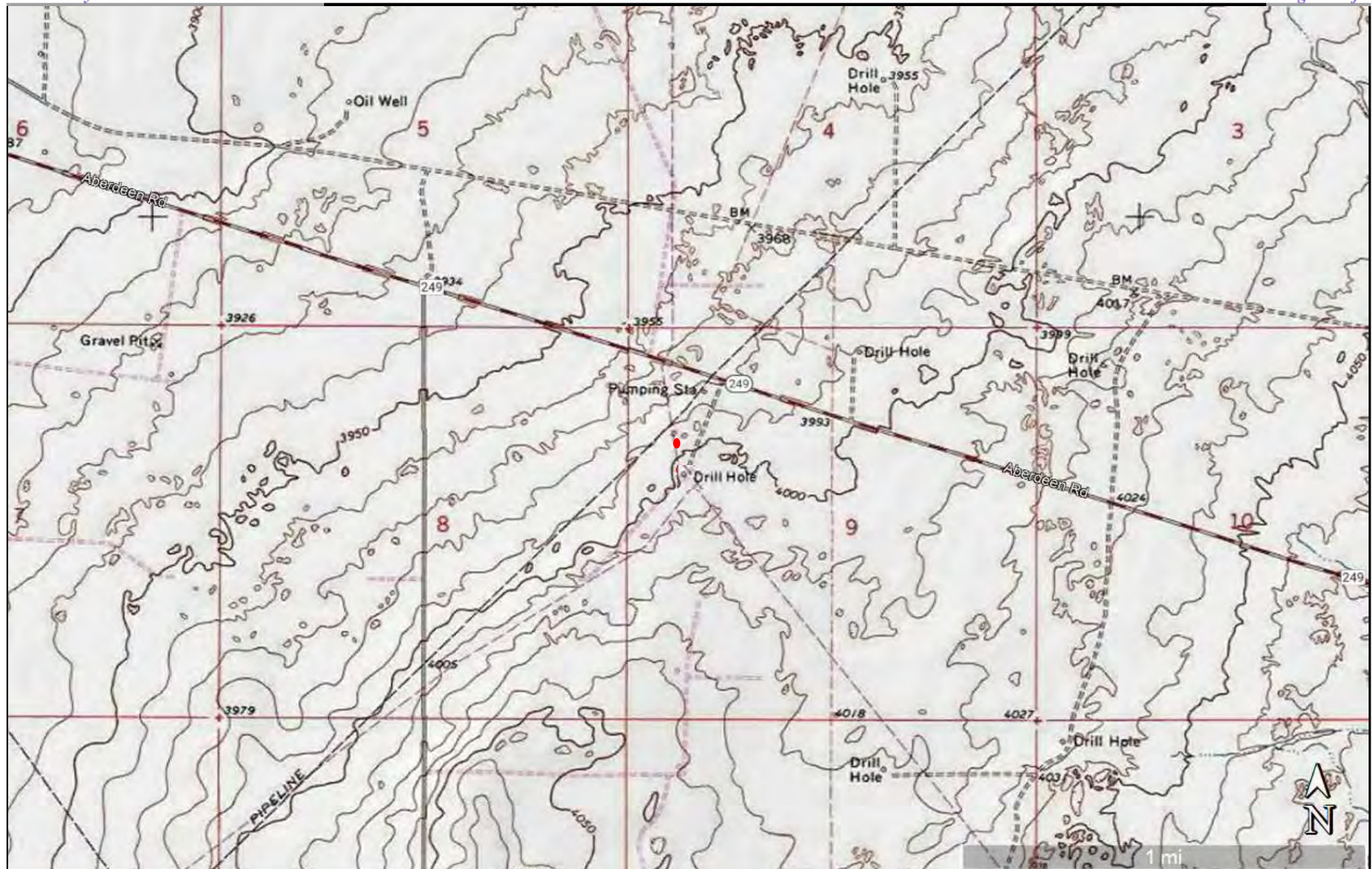
**New Mexico State Land Office**

914 N. Linam St.

Hobbs, NM 88240

## Figures



**Figure 1**

Topographic Map  
 Frontier Field Services, LLC  
 Chaves 10"  
 GPS: 33.033354, -103.936705  
 Chaves County

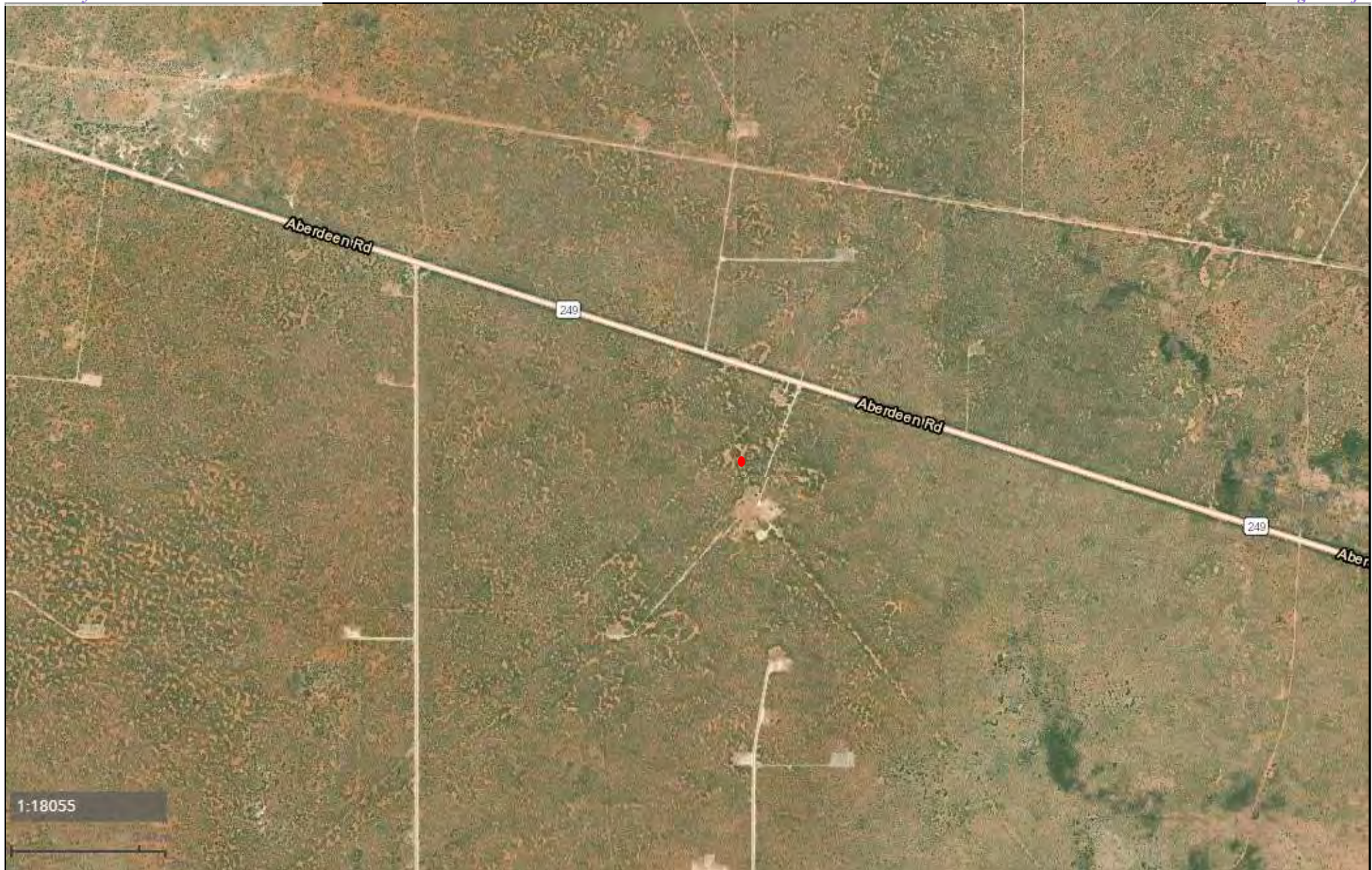
**Legend:**

● Chaves 10" Location

Drafted: dd  
 Checked: bw  
 Date: 6/6/23





**Figure 2**

OSE POD Locations Map  
Frontier Field Services, LLC  
Chaves 10"  
GPS: 33.033354, -103.936705  
Chaves County

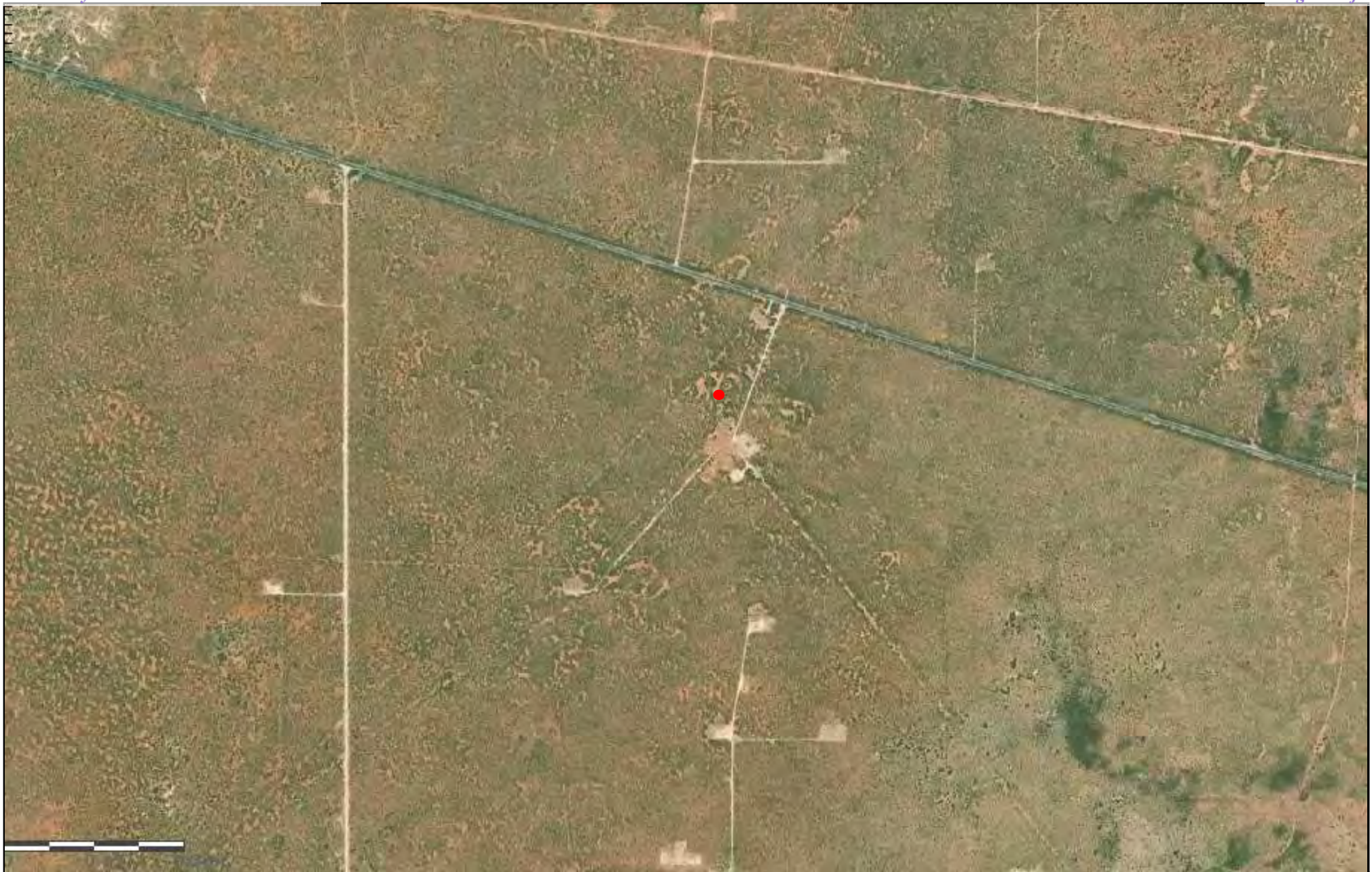
**Legend:**

● Chaves 10" Location

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Checked: bw  
Date: 6/6/23





**Figure 3**

USGS Well Locations Map  
Frontier Field Services, LLC  
Chaves 10"  
GPS: 33.033354, -103.936705  
Chaves County

**Legend:**

● Chaves 10" Location

Drafted: dd  
Checked: bw  
Date: 6/6/23







**Figure 4**

Delineation Sample Map  
Frontier Field Services, LLC  
Chaves 10"  
GPS: 33.033354, -103.936705  
Chaves County

**Legend:**

-  Release Area  
 Delineation Sample Location

Drafted: dd  
Checked: bw  
Date: 6/6/23





**Figure 5**

Excavation Sample Map  
 Frontier Field Services, LLC  
 Chaves 10"  
 GPS: 33.033354, -103.936705  
 Chaves County

**Legend:**

- Excavated Area  
 FL1 Composite Confirmation Sample Location



Drafted: dd  
 Checked: bw  
 Date: 6/14/23



## **Table**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Frontier Field Services, LLC**  
**Chaves 10"**  
**NMOCD Ref. #: nAPP2305044453**

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	6/5/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	6/5/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP2	6/5/23	Surf	Excavated	<0.050	<0.300	<10.0	322	322	97.2	<b>419.2</b>	48.0
	6/5/23	5	In-Situ	<0.050	<0.300	<10.0	13.3	13.3	15.1	28.4	32.0
SP3	6/5/23	Surf	Excavated	<0.050	<0.300	<10.0	317	317	42.2	<b>359.2</b>	48.0
	6/5/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP4	6/5/23	Surf	Excavated	<0.050	<0.300	<10.0	12.3	<20.0	<10.0	<30.0	32.0
	6/5/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ1	6/5/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	6/5/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	6/5/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	6/5/23	1	In-Situ	<0.050	<0.300	<10.0	10.8	<20.0	<10.0	<30.0	16.0
HZ3	6/5/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	6/5/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ4	6/5/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	6/5/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL1	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL2	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL4	6/14/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL5	6/14/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL6	6/14/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL7	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL8	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL9	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL10	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL11	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL12	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL13	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL14	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL15	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL16	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL17	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL18	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW1	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW3	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW4	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW5	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW6	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW7	6/14/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

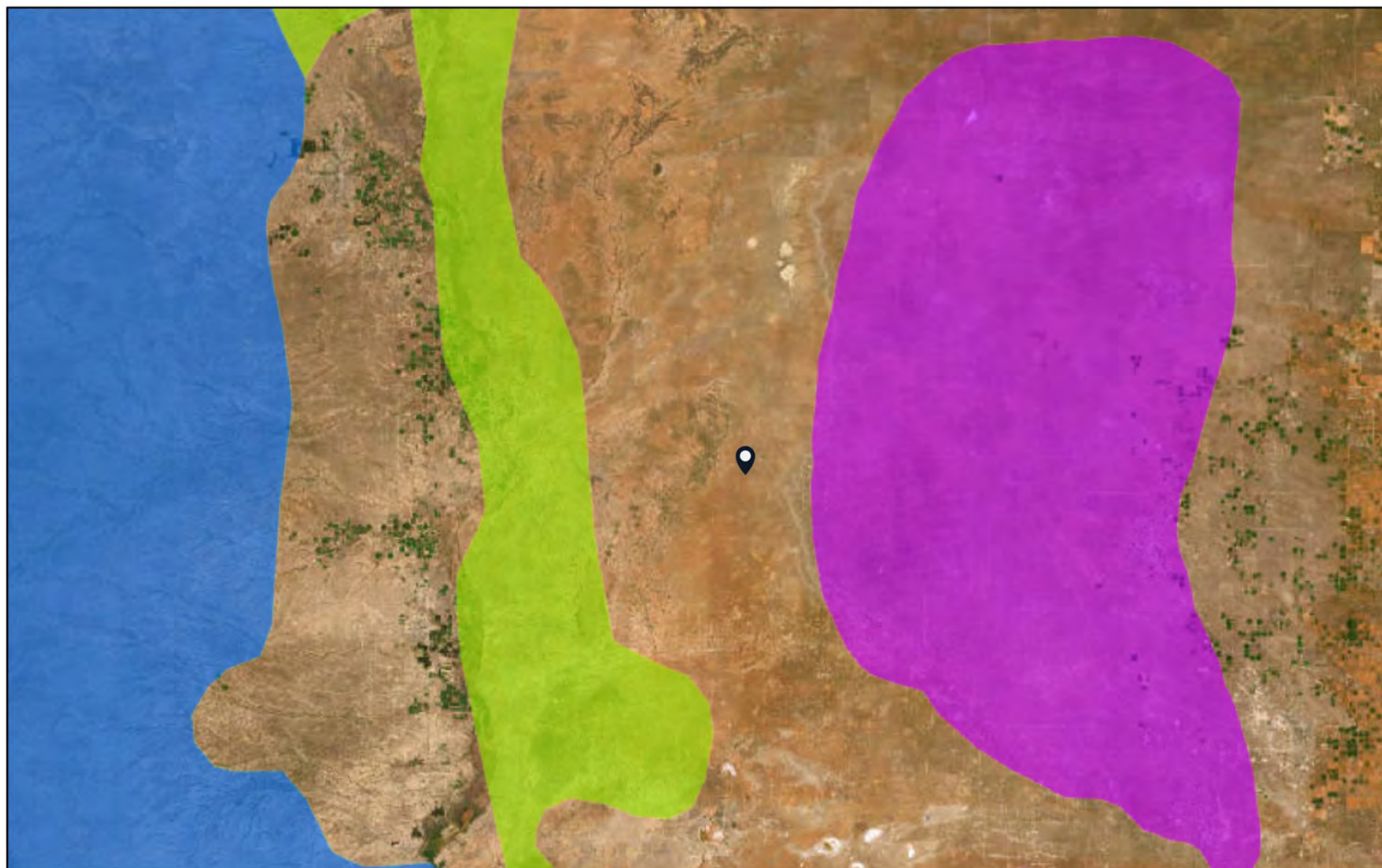
- = Sample not analyzed for that constituent.

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

## **Attachment I**

### **Karst and Wetland Maps**

## Chaves 10"



5/23/2023

Karst Type

Carbonate

Erosional

Gypsum

Volcanic

World Imagery

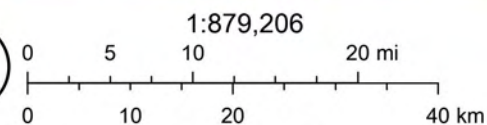
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

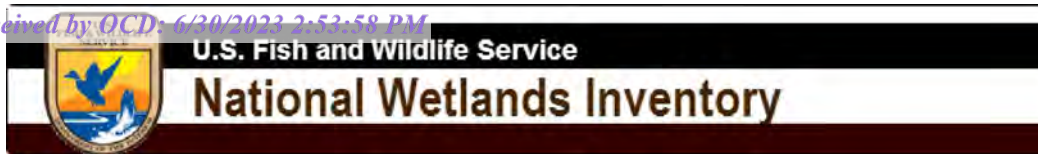
Citations

150m Resolution Metadata



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





Chaves 10"



May 23, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

## **Attachment II NMOCD Correspondence**

**Daniel Dominguez**

---

**From:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Sent:** Thursday, June 1, 2023 3:29 PM  
**To:** Guadalupe Carrasco; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD; Velez, Nelson, EMNRD  
**Cc:** Darin Kennard; Mary Taylor; Daniel Dominguez  
**Subject:** RE: [EXTERNAL] nAPP2305044453 - Chaves 10" Steel Line

Mr. Carrasco,

Your request for an extension is approved for sixty (60) days to 07/31/2023. Due to the high mobility of the product released, the OCD requests this site be elevated on Frontier's priority list. Also, an extension request should be submitted prior to the due date. This one was 05/20/23. Please include a copy of this and all correspondence in your reports.

Thank you,

**Mike Bratcher** • Incident Supervisor  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave | Artesia, NM 88210  
(575) 626-0857 | [mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



---

**From:** Guadalupe Carrasco <gcarrasco@durangomidstream.com>  
**Sent:** Wednesday, May 31, 2023 10:39 AM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Cc:** Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>; ddominguez@hungry-horse.com  
**Subject:** [EXTERNAL] nAPP2305044453 - Chaves 10" Steel Line

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

Good morning!

Frontier Field Services would like to request a 90 day extension for nAPP2305044453 - Chaves 10" Steel Line. NMSLO Right of Entry permits were received in May. Please contact me with any questions.

Thanks!

*Lupe Carrasco*

**Sr. Environmental Specialist**

(575)725-0787

[gcarrasco@durangomidstream.com](mailto:gcarrasco@durangomidstream.com)



288 W. Kincaid Ranch Rd.  
Artesia N.M. 88210

## Daniel Dominguez

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Monday, June 12, 2023 4:32 PM  
**To:** Daniel Dominguez  
**Cc:** Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD  
**Subject:** RE: [EXTERNAL] Closure Samples

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)



---

**From:** Daniel Dominguez <ddominguez@hungry-horse.com>  
**Sent:** Monday, June 12, 2023 6:26 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Closure Samples

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

We will be collecting closure samples at the Chaves 10" (nAPP2305044453) on Wednesday June 14, 2023 at 8 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**

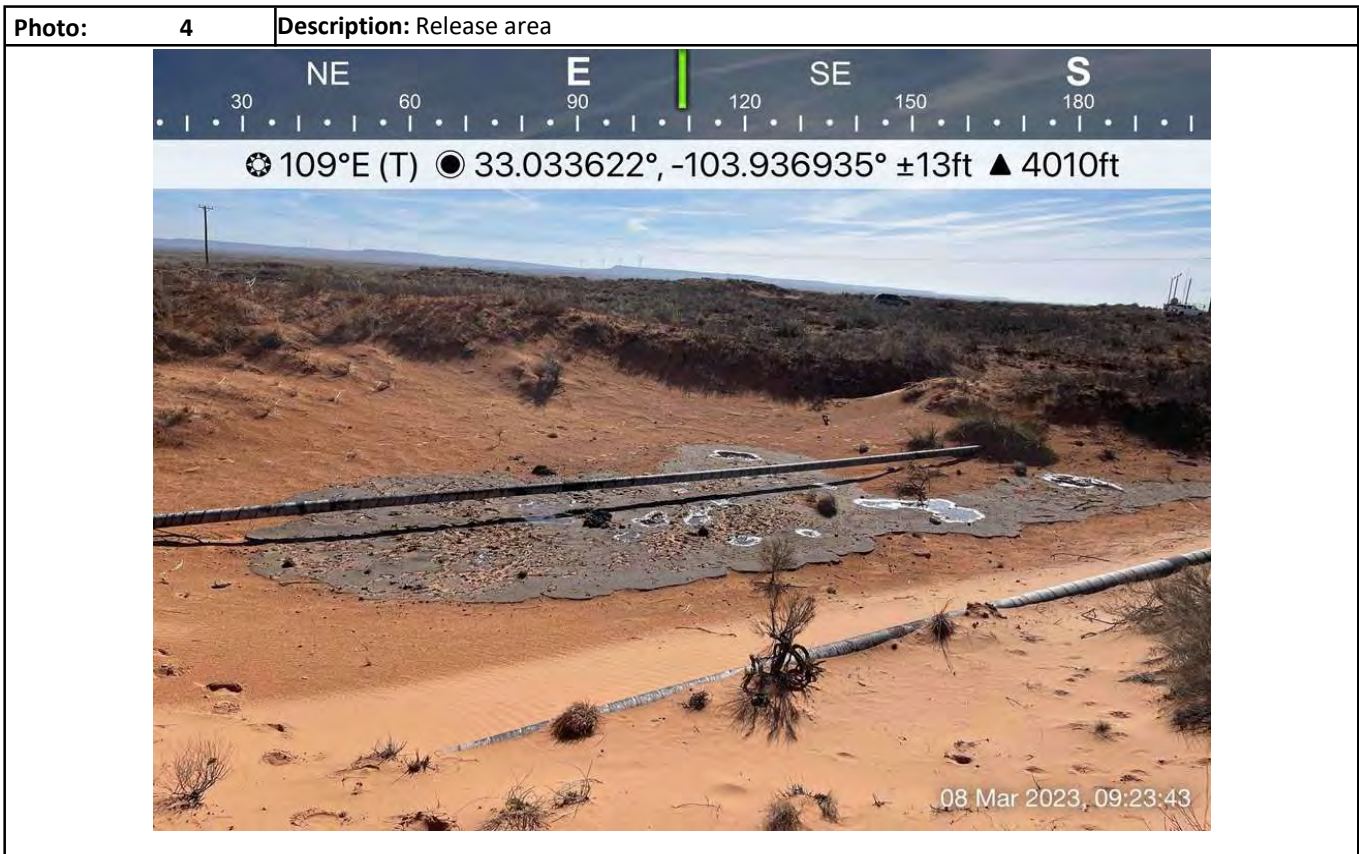


# Photographs



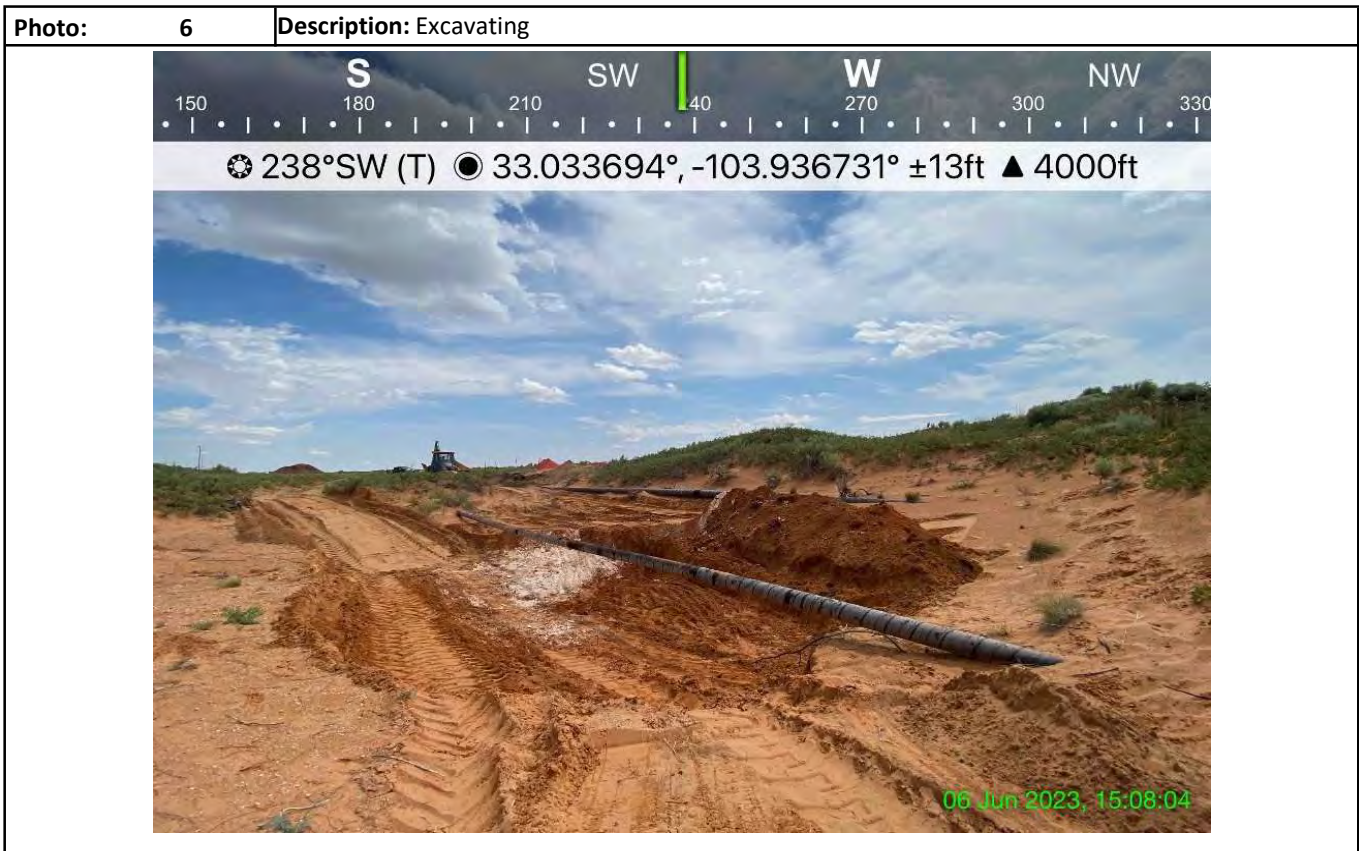


# Photographs



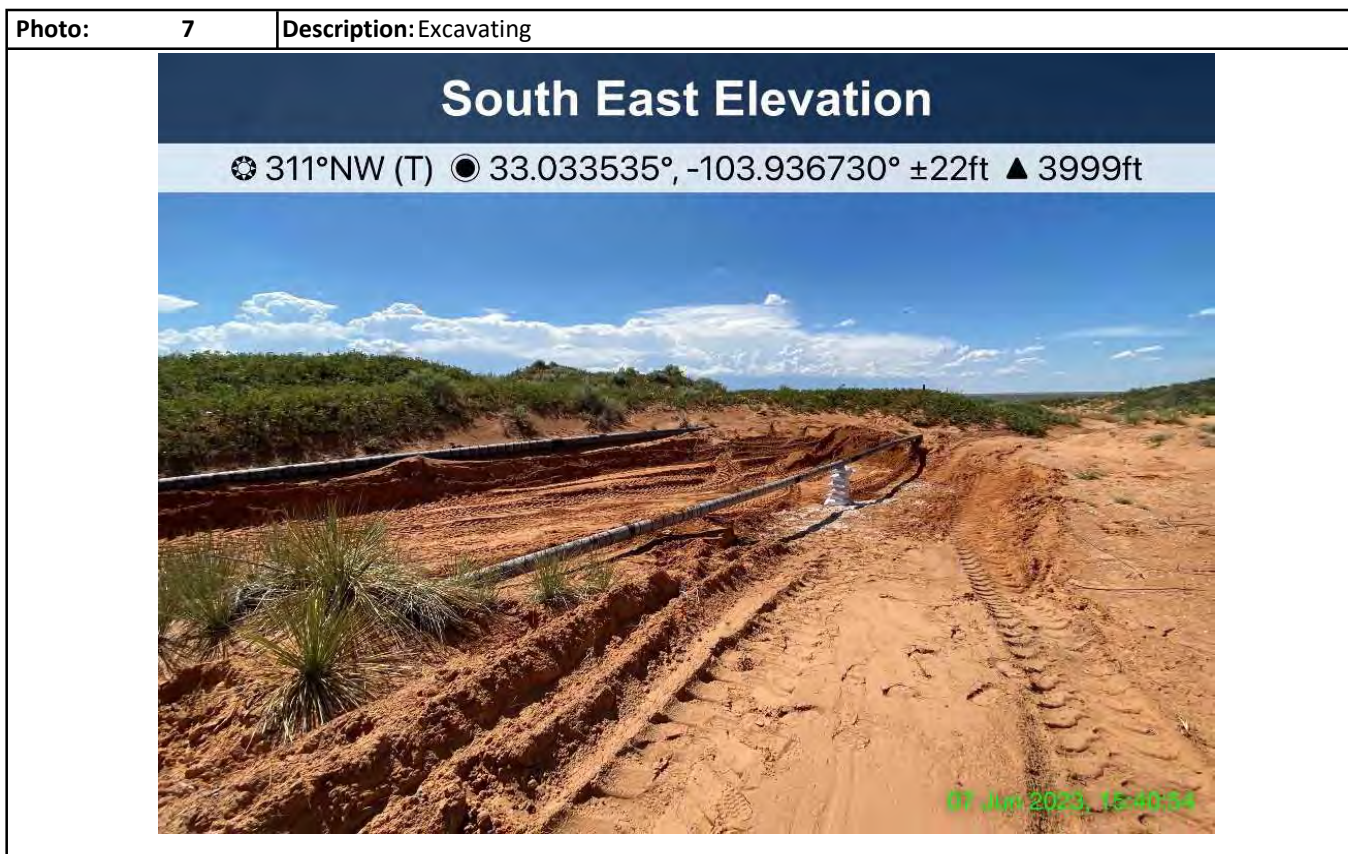


# Photographs



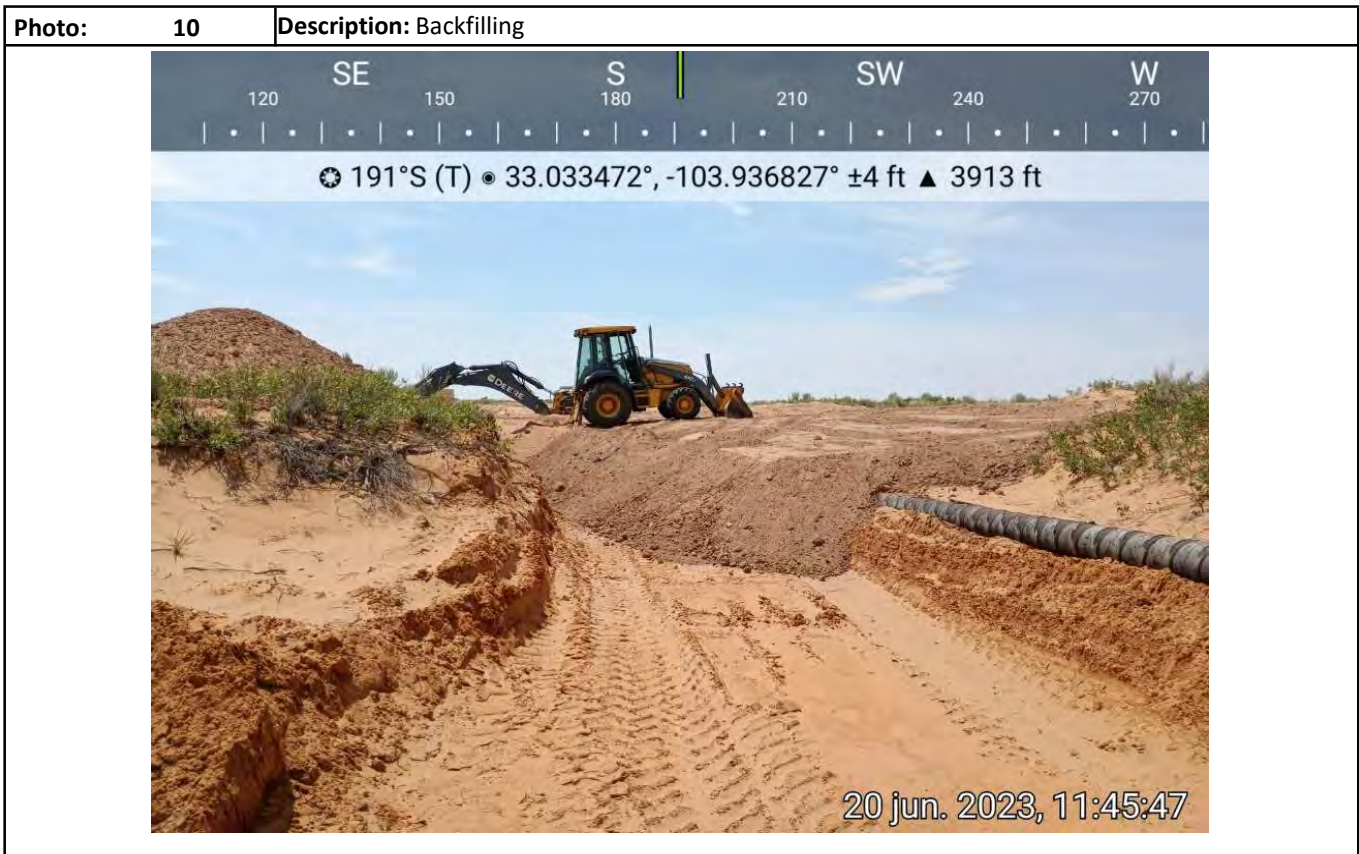
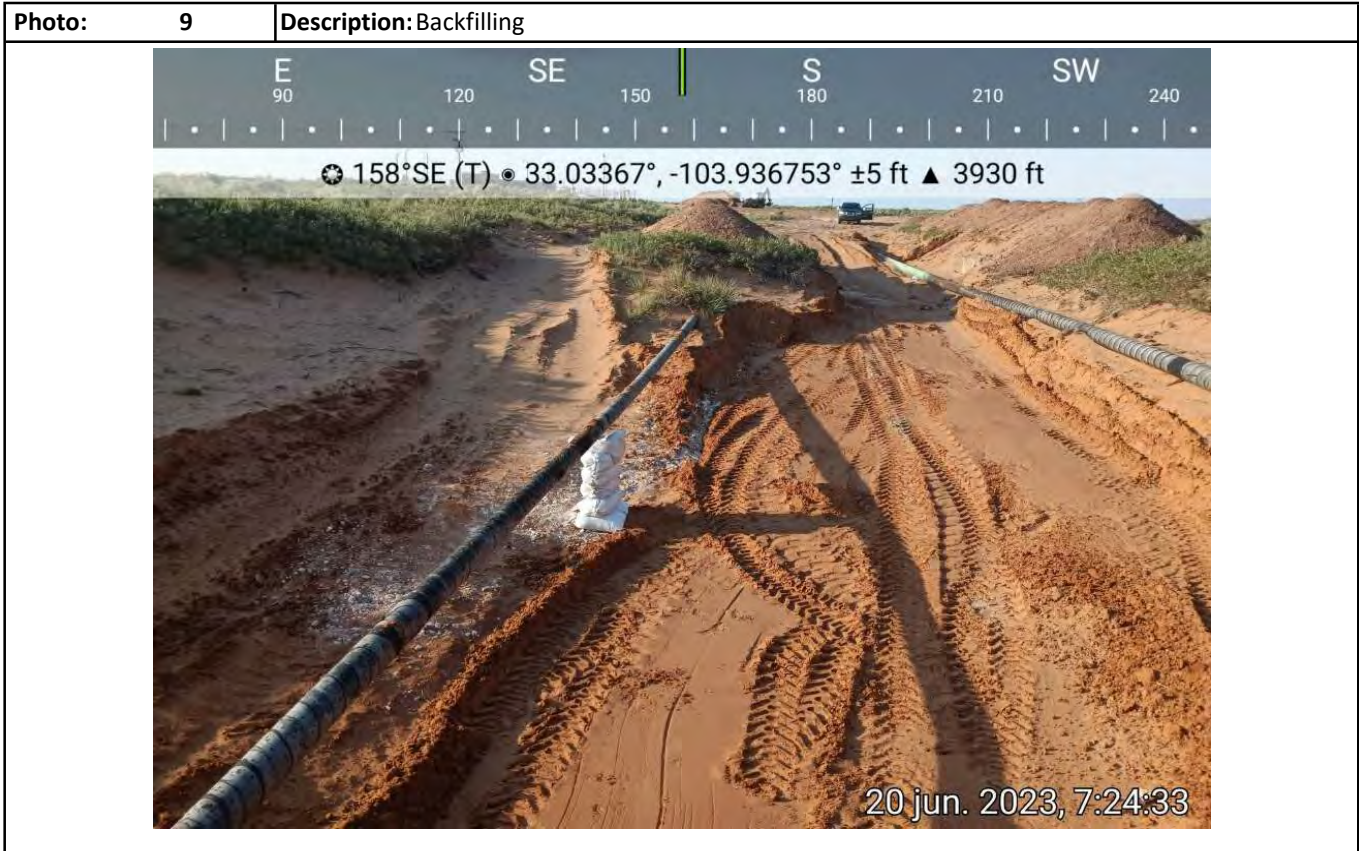


## Photographs



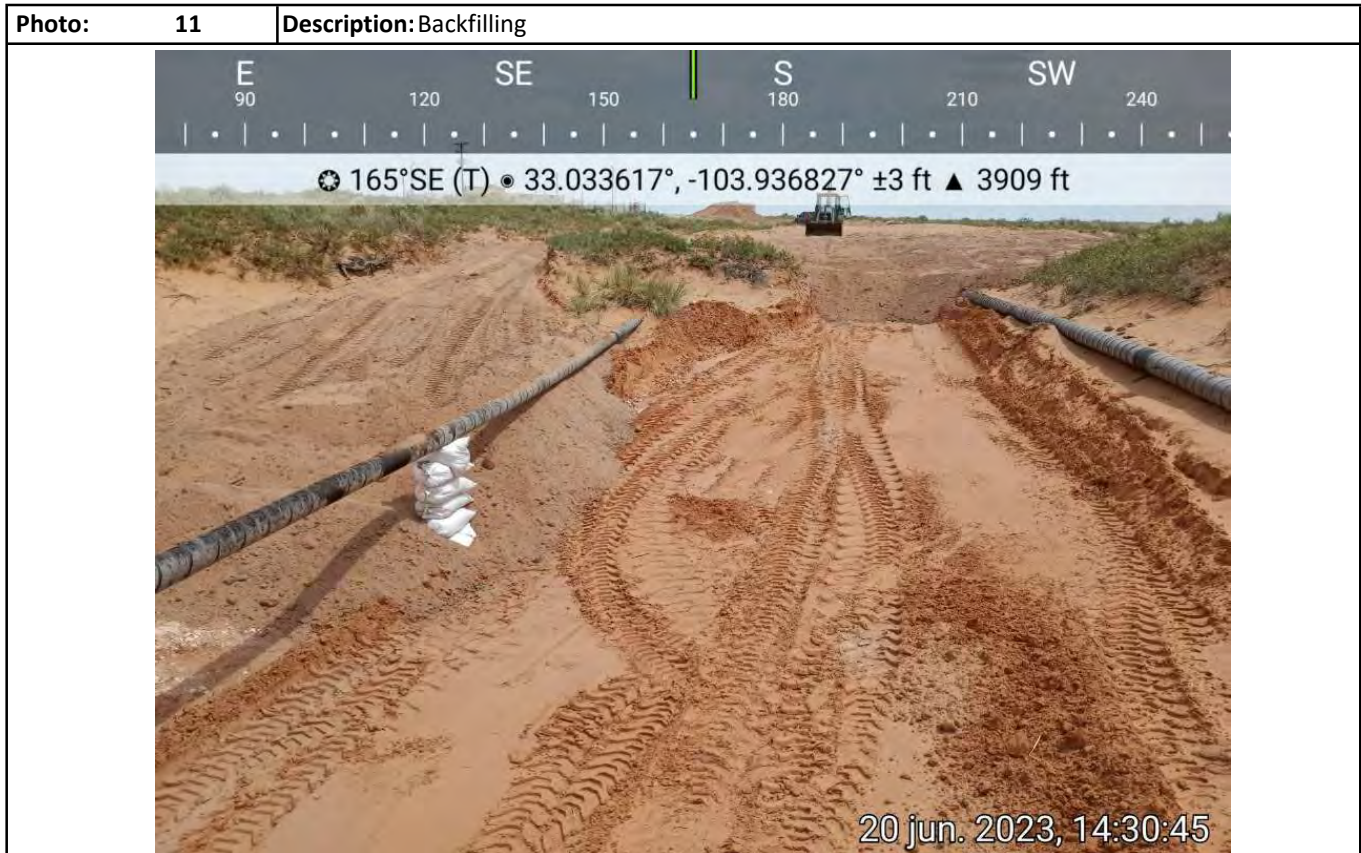


# Photographs



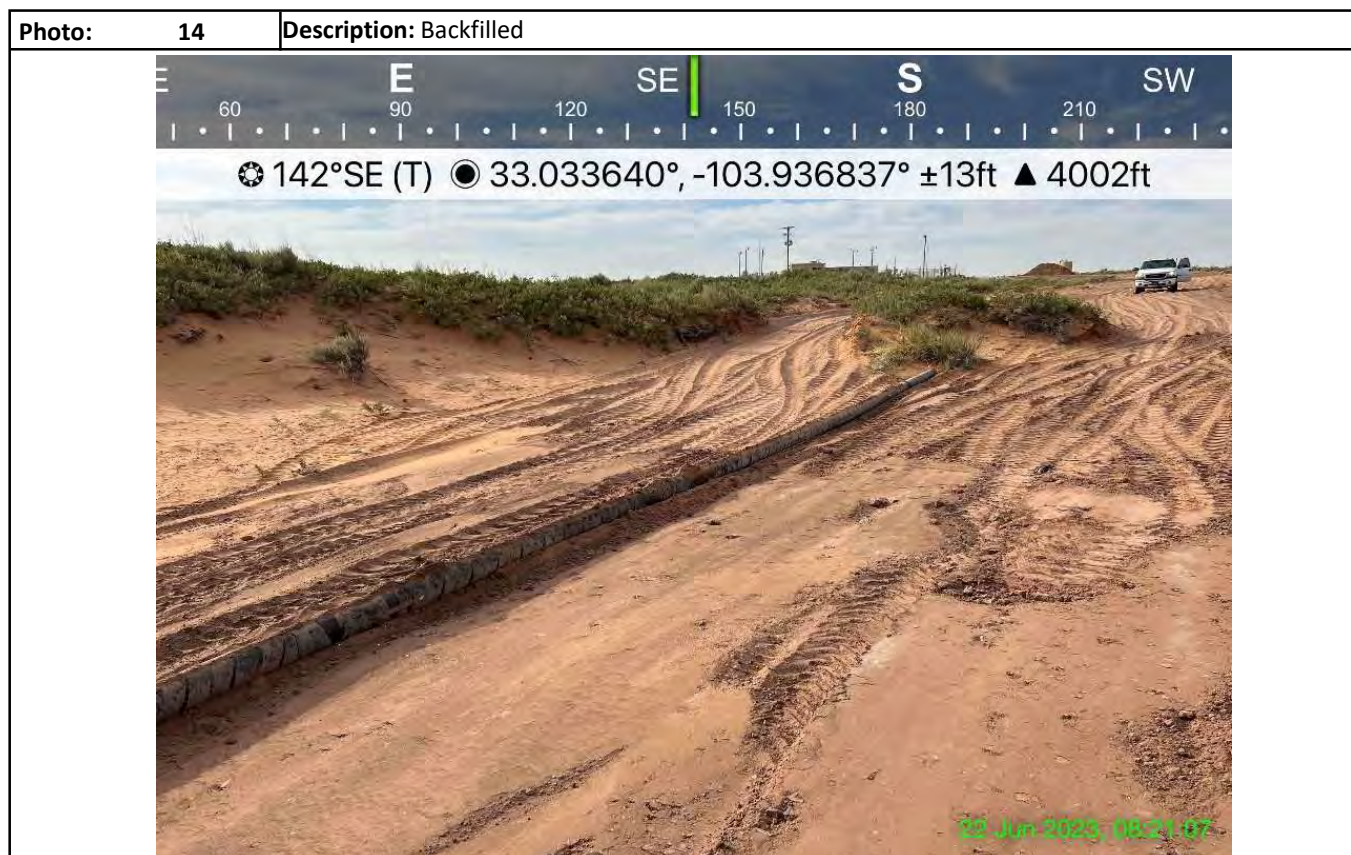


# Photographs



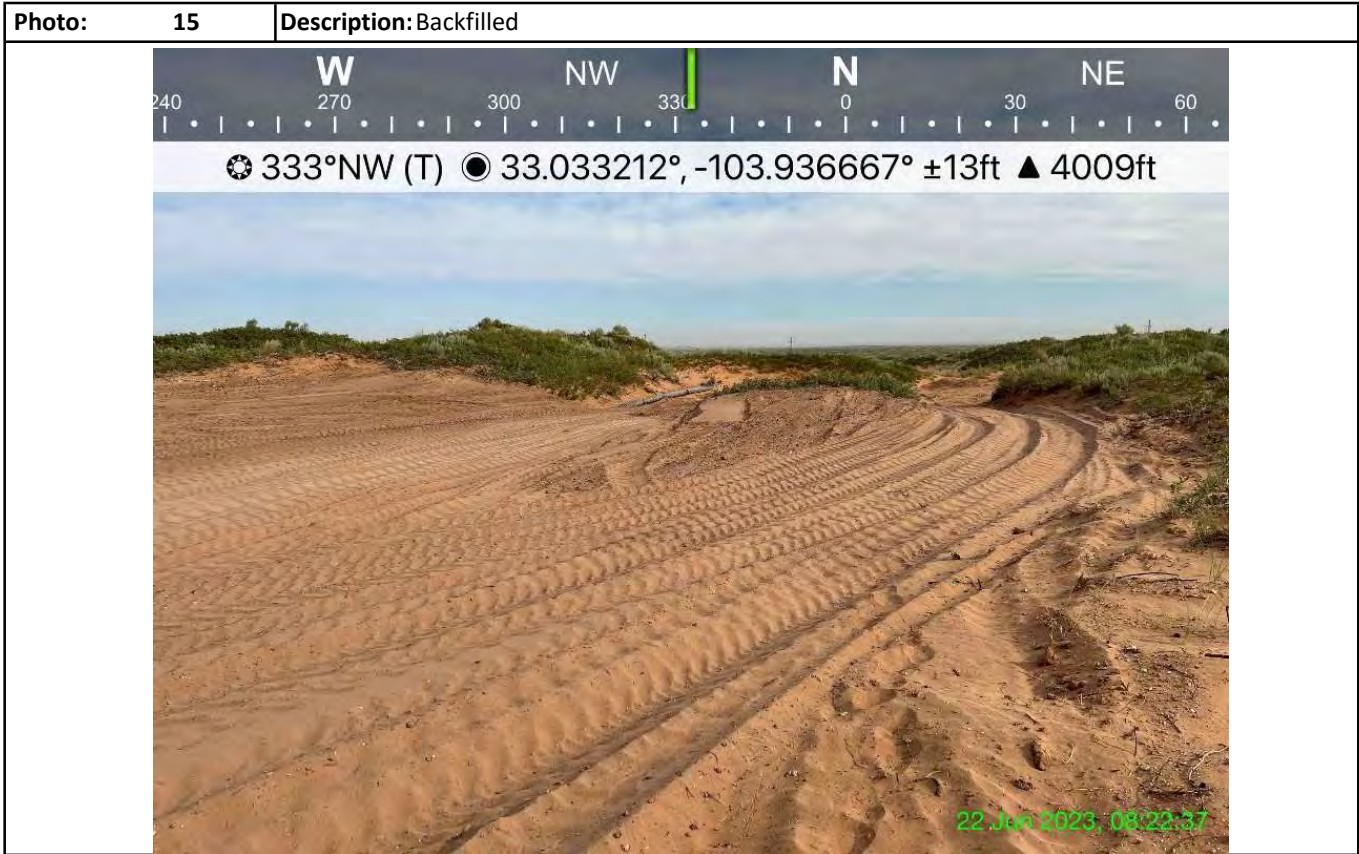


## Photographs





# Photographs



## **Attachment IV**

### **Depth to Groundwater**



New Mexico Office of the State Engineer

# Wells with Well Log Information

No wells found.

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 599284.32      **Northing (Y):** 3655488.16      **Radius:** 805

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

6/27/23 11:41 AM

WELLS WITH WELL LOG INFORMATION



## **Attachment V**

### **Field Data**

## Sample Log

Date: 6-5-23

Latitude: 33.033354

Longitude: -103.936705

Sampler: Chris Alvarez

[illegible]

Test Trench = TT1 @ ##

**Refusal = SP1 @ 4'-R**

**Resamples= SP1b @ 5' or SW #1b**

**Stockpile = Stockpile #1**

## Sample Log

Date: 5/6/5/23

Latitude: 33.033354

Longitude: -103.936705

Sampler: Chris Alvarez

Sample ID	Depth	PID/Odor	Chloride	GPS
HZSP1	Surf	none	$46.4 = 184$	426
HZSP1	1'	none	$38.4 = 152$	
HZSP2	Surf	med	$31.4 = 124$	
HZSP2	1'	none	$46.4 = 184$	
HZSP3	Surf	None	$38.4 = 152$	
HZSP3	1'	none	less than 100	
HZSP4	Surf	none	$62.4 = 248$	
HZSP4	1'	none	$41.4 = 364$	

**Stockpile = Stockpile #1**

## **Attachment VI**

### **Laboratory Analytical Reports**





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

---

June 09, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CHAVES 10"

Enclosed are the results of analyses for samples received by the laboratory on 06/06/23 14:00.

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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 1 - SURF (H232866-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	448	112	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 1 - 4' (H232866-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	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	32.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 2 - SURF (H232866-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEx	<0.300	0.300	06/07/2023	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	48.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	322	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	97.2	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 2 - 5' (H232866-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEx	<0.300	0.300	06/07/2023	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	32.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	13.3	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	15.1	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 3 - SURF (H232866-05)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEx	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	317	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	42.2	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 3 - 4' (H232866-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10		
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746		
Total BTEX	<0.300	0.300	06/07/2023	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	32.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 4 - SURF (H232866-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEx	<0.300	0.300	06/07/2023	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	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	12.3	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SP 4 - 4' (H232866-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	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	06/07/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 1 - SURF (H232866-09)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTX	<0.300	0.300	06/07/2023	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	16.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 1 - 1' (H232866-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	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	32.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 2 - SURF (H232866-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.41	121	2.00	2.76	
Toluene*	<0.050	0.050	06/07/2023	ND	2.38	119	2.00	2.20	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.33	117	2.00	2.98	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.09	118	6.00	2.84	
Total BTEx	<0.300	0.300	06/07/2023	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	16.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 2 - 1' (H232866-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.41	121	2.00	2.76		
Toluene*	<0.050	0.050	06/07/2023	ND	2.38	119	2.00	2.20		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.33	117	2.00	2.98		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.09	118	6.00	2.84		
Total BTEX	<0.300	0.300	06/07/2023	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	16.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	10.8	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 3 - SURF (H232866-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.41	121	2.00	2.76	
Toluene*	<0.050	0.050	06/07/2023	ND	2.38	119	2.00	2.20	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.33	117	2.00	2.98	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.09	118	6.00	2.84	
Total BTEx	<0.300	0.300	06/07/2023	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	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 3 - 1' (H232866-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.41	121	2.00	2.76		
Toluene*	<0.050	0.050	06/07/2023	ND	2.38	119	2.00	2.20		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.33	117	2.00	2.98		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.09	118	6.00	2.84		
Total BTEX	<0.300	0.300	06/07/2023	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	16.0	16.0	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 4 - SURF (H232866-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.41	121	2.00	2.76	
Toluene*	<0.050	0.050	06/07/2023	ND	2.38	119	2.00	2.20	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.33	117	2.00	2.98	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.09	118	6.00	2.84	
Total BTEx	<0.300	0.300	06/07/2023	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	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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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:	06/06/2023	Sampling Date:	06/05/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: HZ 4 - 1' (H232866-16)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.41	121	2.00	2.76		
Toluene*	<0.050	0.050	06/07/2023	ND	2.38	119	2.00	2.20		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.33	117	2.00	2.98		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.09	118	6.00	2.84		
Total BTEX	<0.300	0.300	06/07/2023	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	06/07/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	193	96.3	200	0.348	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	178	88.8	200	0.743	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

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

---

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]

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Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished By: <i>[Signature]</i>		Date: <i>6-6-23</i>	Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: <i>1400</i>			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS:  Email results to: <i>pm@hungry-horse.com</i>  <i>gcarrasco@durangomidstream.com</i>
		Time:			
Delivered By: (Circle One)		#13	Sample Condition	CHECKED BY: (Initials) <i>[Signature]</i>	
Sampler - UPS - Bus - Other:			Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		
		<i>3.9c / 3.3c</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to 575.203.2476

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 20

Company Name: Hungry Horse LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																						
Project Manager: Daniel Dominguez		P.O. #:																								
Address: PO Box 1058		Company: Frontier Field Services, LLC																								
City: Hobbs	State: NM	Zip: 88241	Attn: Lupe Carrasco																							
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																								
Project #:	Project Owner: Frontier Field Services, LLC		City: Maljamar																							
Project Name: Chaves 10"	State: NM		Zip: 88264																							
Project Location: UL/ E Sec 9 T15S - R30E	Phone #: 575-703-7992																									
Sampler Name: Chris Alvarez	Fax #:																									
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		Chloride	TPH	BTEX 8021													
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE												ICE / COOL	OTHER	DATE	TIME	
9 HZ3-Surf		G	1			X					X			6/5/23		X	X	X								
10 HZ1-1'		G	1			X					X			6/5/23		X	X	X								
11 HZ2-Surf		G	1			X					X			6/5/23		X	X	X								
12 HZ2-1'		G	1			X					X			6/5/23		X	X	X								
13 HZ3-Surf		G	1			X					X			6/5/23		X	X	X								
14 HZ3-1'		G	1			X					X			6/5/23		X	X	X								
15 HZ4-Surf		G	1			X					X			6/5/23		X	X	X								
16 HZ4-1'		G	1			X					X			6/5/23		X	X	X								

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Relinquished By:	Date: 6-6-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 1400		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:  Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com
	Time:		
Delivered By: (Circle One)			
Sampler - UPS - Bus - Other: 3.9c / 3.3c	#113	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 

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



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June 19, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CHAVES 10"

Enclosed are the results of analyses for samples received by the laboratory on 06/15/23 15:55.

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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 1 (H233108-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	QR-03
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	QR-03
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	QR-03
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	QR-03
Total BTEX	<0.300	0.300	06/17/2023	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	16.0	16.0	06/16/2023	ND	448	112	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 2 (H233108-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 3 (H233108-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 4 (H233108-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	16.0	16.0	06/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 5 (H233108-05)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTX	<0.300	0.300	06/17/2023	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	<16.0	16.0	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 6 (H233108-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 7 (H233108-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTX	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 8 (H233108-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 9 (H233108-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 10 (H233108-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 11 (H233108-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 12 (H233108-12)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 13 (H233108-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEX	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 14 (H233108-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEX	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 15 (H233108-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 16 (H233108-16)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 17 (H233108-17)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEX	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: FL 18 (H233108-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 1 (H233108-19)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 2 (H233108-20)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.19	109	2.00	2.09	
Toluene*	<0.050	0.050	06/17/2023	ND	2.35	118	2.00	1.77	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.25	112	2.00	1.87	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.80	113	6.00	2.41	
Total BTEx	<0.300	0.300	06/17/2023	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	16.0	16.0	06/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 3 (H233108-21)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	5.00	
Toluene*	<0.050	0.050	06/17/2023	ND	2.37	118	2.00	4.79	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.30	115	2.00	5.08	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.97	116	6.00	4.68	
Total BTX	<0.300	0.300	06/17/2023	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	06/16/2023	ND	416	104	400	3.92		

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	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 4 (H233108-22)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	5.00	
Toluene*	<0.050	0.050	06/17/2023	ND	2.37	118	2.00	4.79	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.30	115	2.00	5.08	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.97	116	6.00	4.68	
Total BTEx	<0.300	0.300	06/17/2023	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	<16.0	16.0	06/16/2023	ND	416	104	400	3.92		

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	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 5 (H233108-23)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	5.00	
Toluene*	<0.050	0.050	06/17/2023	ND	2.37	118	2.00	4.79	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.30	115	2.00	5.08	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.97	116	6.00	4.68	
Total BTX	<0.300	0.300	06/17/2023	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	06/16/2023	ND	416	104	400	3.92		

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	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 6 (H233108-24)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	5.00	
Toluene*	<0.050	0.050	06/17/2023	ND	2.37	118	2.00	4.79	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.30	115	2.00	5.08	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.97	116	6.00	4.68	
Total BTEx	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	416	104	400	3.92		

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	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	CHAVES 10"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER FS - UL / E SEC 9 T15S - R30I		

**Sample ID: SW 7 (H233108-25)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	5.00	
Toluene*	<0.050	0.050	06/17/2023	ND	2.37	118	2.00	4.79	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.30	115	2.00	5.08	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.97	116	6.00	4.68	
Total BTEx	<0.300	0.300	06/17/2023	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	06/16/2023	ND	416	104	400	3.92		

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	06/17/2023	ND	170	85.1	200	0.596	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	149	74.7	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 29 of 30

Company Name: Hungry Horse LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																		
Project Manager: Daniel Dominguez		P.O. #:																				
Address: PO Box 1058		Company: Frontier Field Services, LLC																				
City: Hobbs	State: NM	Zip: 88241	Attn: Lupe Carrasco																			
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																				
Project #:	Project Owner: Frontier Field Services, LLC	City: Maljamar																				
Project Name: Chaves 10"	State: NM		Zip: 88264																			
Project Location: UL/ E Sec 9 T15S - R30E	Phone #: 575-703-7992																					
Sampler Name: Jerry Heidelberg	Fax #:																					
FOR LAB USE ONLY																						
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING																	
			GROUNDWATER			DATE	TIME	Chloride	TPH	BTEX 8021												
H233108																						
11	FL11	C 1		X		X	6/14/23		X	X	X											
12	FL12	C 1		X		X	6/14/23		X	X	X											
13	FL13	C 1		X		X	6/14/23		X	X	X											
14	FL14	C 1		X		X	6/14/23		X	X	X											
15	FL15	C 1		X		X	6/14/23		X	X	X											
16	FL16	C 1		X		X	6/14/23		X	X	X											
17	FL17	C 1		X		X	6/14/23		X	X	X											
18	FL18	C 1		X		X	6/14/23		X	X	X											

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Relinquished By:	Date: 6-15-23 Time: 1555	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)			<b>REMARKS:</b>	
Sampler - UPS - Bus - Other: 6.4i/5.8c			Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com	
Sample Condition	CHECKED BY: (Initials)			
Cool Intact				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

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



† 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	nAPP2305044453
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@durangomidstream.com">agroves@durangomidstream.com</a>	Incident # (assigned by OCD)
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

### Location of Release Source

Latitude 33.033354 Longitude -103.936705  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Chaves 10" Steel Line	Site Type Pipeline
Date Release Discovered 2/19/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	9	15S	30E	Chaves

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) 60.08	Volume Recovered (bbls) 31.07
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 2,725.03	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
External & Internal corrosion.



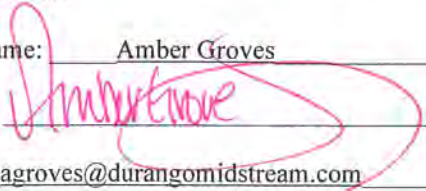
## Oil Conservation Division

Incident ID	nAPP2305044453
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>Senior Environmental Specialist</u>
Signature: 	Date: <u>2/20/2023</u>
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>02/20/2023</u>



## Gas Volume Release Report

Gas Release Volume Calculator		
Date:	2/19/2023	
Site or Line Name:	Chaves 10" steel line	
Area of Hole in Pipe:	1	square inches
Absolute Pressure:	35	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	1,417.00	minutes
Actual Temperature:	44	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	1,109.27	MACF
Volume of Gas - SCF	2,725.03	MSCF
Notes		
Entered by user		
Calculated Value		
Constant		



## Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	2/19/2023						
Site or Line Name:	Mal-Chaves 10" Steel Line						
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	90	10	1.498	1348.2	60.08	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)

$$\text{Cubic Feet} = L \times W \times D$$

$$\text{Estimated Barrels} = ((\text{Cubic Feet} \times \text{Porosity}) / 5.61)$$



**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 235045

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 235045
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/22/2023