



Remediation Summary and Closure Request

Frontier Field Services, LLC

Chaves 12"

Chaves County, New Mexico

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

Latitude 33.032490 North, Longitude 103.936701 West

NMOCD Incident # nAPP2305244361

Prepared For:

Frontier Field Services, LLC

47 Conoco Rd

Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

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May 2023

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Environmental Manager

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Incident ID	nAPP2305244361
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 not 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

Incident ID	nAPP2305244361
District RP	
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Application ID	

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

Printed Name: Lupe Carrasco Title: Sr. Environmental Specialist
Signature: *Lupe Carrasco* Date: 6/8/23
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Jocelyn Harimon Date: 06/08/2023

Incident ID	nAPP2305244361
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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: 6/8/23
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Jocelyn Harimon Date: 06/08/2023

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

Signature: _____ Date: _____

Incident ID	nAPP2305244361
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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: 6/8/23
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Jocelyn Harimon Date: 06/08/2023

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

Closure Approved by: Nelson Velez Date: 09/06/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv



HUNGRY HORSE, LLC

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

Background:

The site is located in Unit Letter 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 33.032490 North, Longitude 103.936701 West. The Initial NMOCD Form C-141 indicated that on February 19, 2023 approximately 64.43 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. No 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



Delineation and Remediation Activities:

On March 27, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On March 30, 2023, surface samples from the release area were also collected. These sample locations are identified by SP designation. In addition, sample soil bores were advanced along the outside edges of the release area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. On May 4, 2023, the excavation and release area were delineated. During the advancement of the soil bores and 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 SP1, SP3, and SP4 at Surface, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

From May 2 through 11, 2023, the sidewalls and floors of the excavation were expanded. Contaminated excavated soil was temporarily stockpiled onsite, atop plastic, before transport to an NMOCD approved disposal facility.

On May 11, 2023, twenty-four 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 SW6, 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 FL3 at eight feet bgs, FL10 at four feet bgs, and SW3, at four feet bgs, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

On May 18, 2023, the area in excess of NMOCD Closure Criteria was further excavated and sampled. Soil samples FL3b, FL10b, and SW3b, 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 the submitted sample.

The excavated area measured approximately one hundred seven feet in length, thirty-five feet in width, and four to eight and a half feet in depth. During remediation activities approximately 600 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 12" location, nAPP2305244361.

Limitations:

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



Distribution:

Frontier Field Services, LLC

47 Conoco Rd.
Maljamar, NM 88264

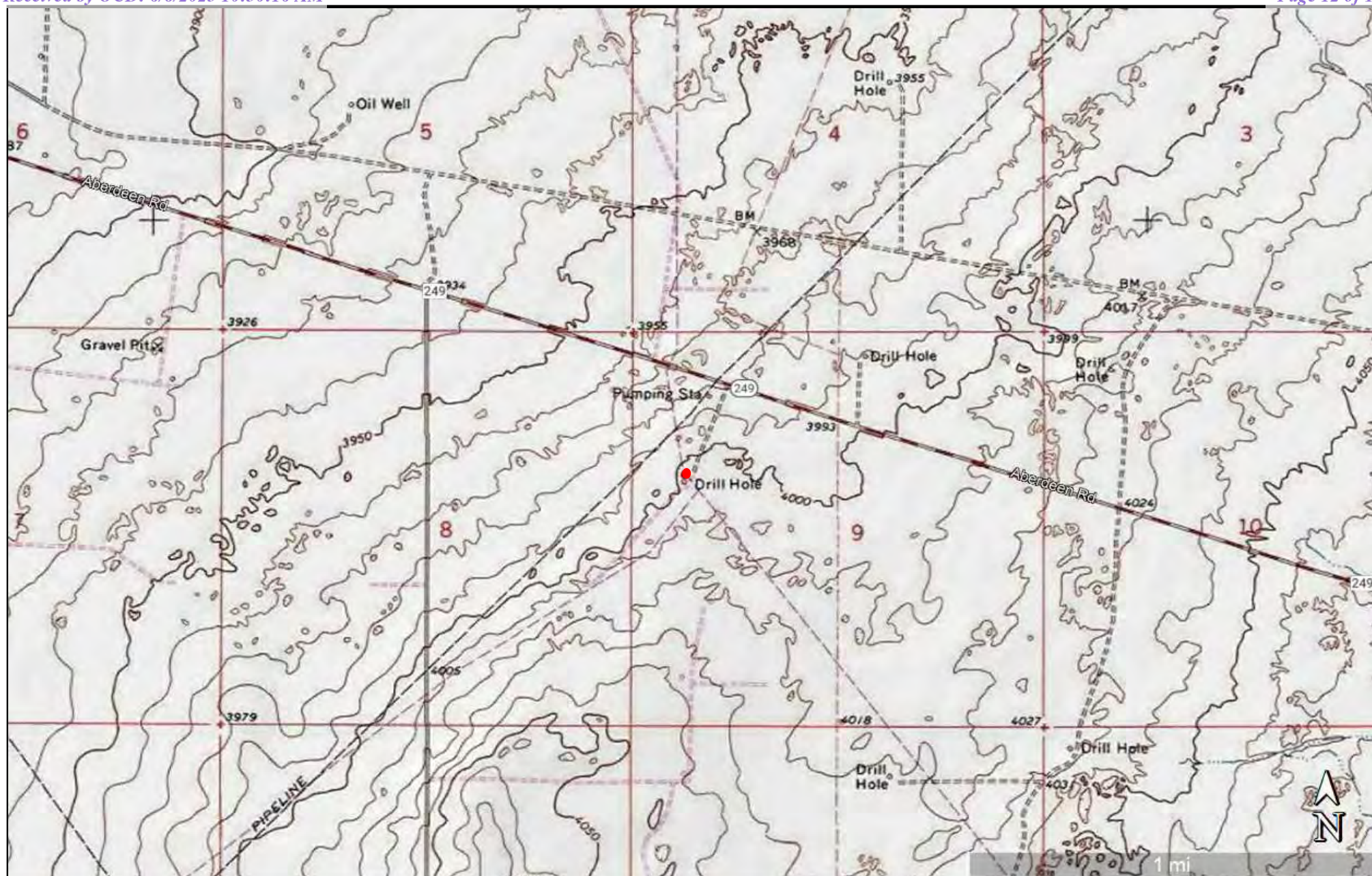
New Mexico Energy, Minerals and Natural Resources Department

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 12"

GPS: 33.03249, -103.936701

Chaves County

Legend:

● Chaves 12" Location

Drafted: dd

Checked: bw

Date: 3/30/23



**Figure 2**

OSE POD Locations Map
Frontier Field Services, LLC
Chaves 12"
GPS: 33.03249, -103.936701
Chaves County

Legend:

● Chaves 12" Location

Drafted: dd
Checked: bw
Date: 3/30/23



**Figure 3**

USGS Well Locations Map
Frontier Field Services, LLC
Chaves 12"
GPS: 33.03249, -103.936701
Chaves County

Legend:

● Chaves 12" Location

Drafted: dd
Checked: bw
Date: 3/30/23



**Figure 4**

Delineation Sample Map
 Frontier Field Services, LLC
 Chaves 12"
 GPS: 33.03249, -103.936701
 Chaves County

Legend:

- Excavation Area
 SP1 Delineation Sample Location

Drafted: dd
 Checked: bw
 Date: 3/30/23



**Figure 5**

Excavation Sample Map
 Frontier Field Services, LLC
 Chaves 12"
 GPS: 33.03249, -103.936701
 Chaves County

Legend:

- Excavated Area
- FL1 Composite Confirmation Sample Location

Drafted: dd
 Checked: bw
 Date: 5/18/23



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Chaves 12"
NMOCD Ref. #: nAPP2305244361

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	3/30/23	Surf	Excavated	<0.050	<0.300	16.3	92.8	109.1	<10.0	109.1	32.0
	5/4/23	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP2	3/30/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	5/4/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP3	3/30/23	Surf	Excavated	<0.050	<0.300	<10.0	255	255	73.9	328.9	<16.0
	5/4/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SP4	3/30/23	Surf	Excavated	<0.050	<0.300	<10.0	225	225	137	362	<16.0
	5/4/23	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
HZ1	3/30/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	3/30/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	3/30/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	3/30/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	3/30/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
	3/30/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ4	3/30/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	3/30/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL1	5/11/23	8	In-Situ	<0.050	<0.300	<10.0	31.8	<20.0	<10.0	31.8	32.0
FL2	5/11/23	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	11.4	<30.0	64.0
FL3	5/11/23	8	Excavated	<0.050	<0.300	<10.0	199	199	66.0	265	64.0
FL3b	5/18/23	8.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL4	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	25.9	25.9	13.6	39.5	16.0
FL5	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	13.8	<20.0	<10.0	<30.0	32.0
FL6	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	53.0	53.0	20.5	73.5	32.0
FL7	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL8	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	27.7	27.7	45.1	72.8	<16.0
FL9	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL10	5/11/23	4	Excavated	<0.050	<0.300	<10.0	73.9	73.9	30.5	104.4	48.0
FL10b	5/18/23	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL11	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL12	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL13	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL14	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL15	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL16	5/11/23	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL17	5/11/23	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL18	5/11/23	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW1	5/11/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	5/11/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW3	5/11/23	4	Excavated	<0.050	<0.300	<10.0	112	112	25.6	137.6	400
SW3b	5/18/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW4	5/11/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW5	5/11/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW6	5/11/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

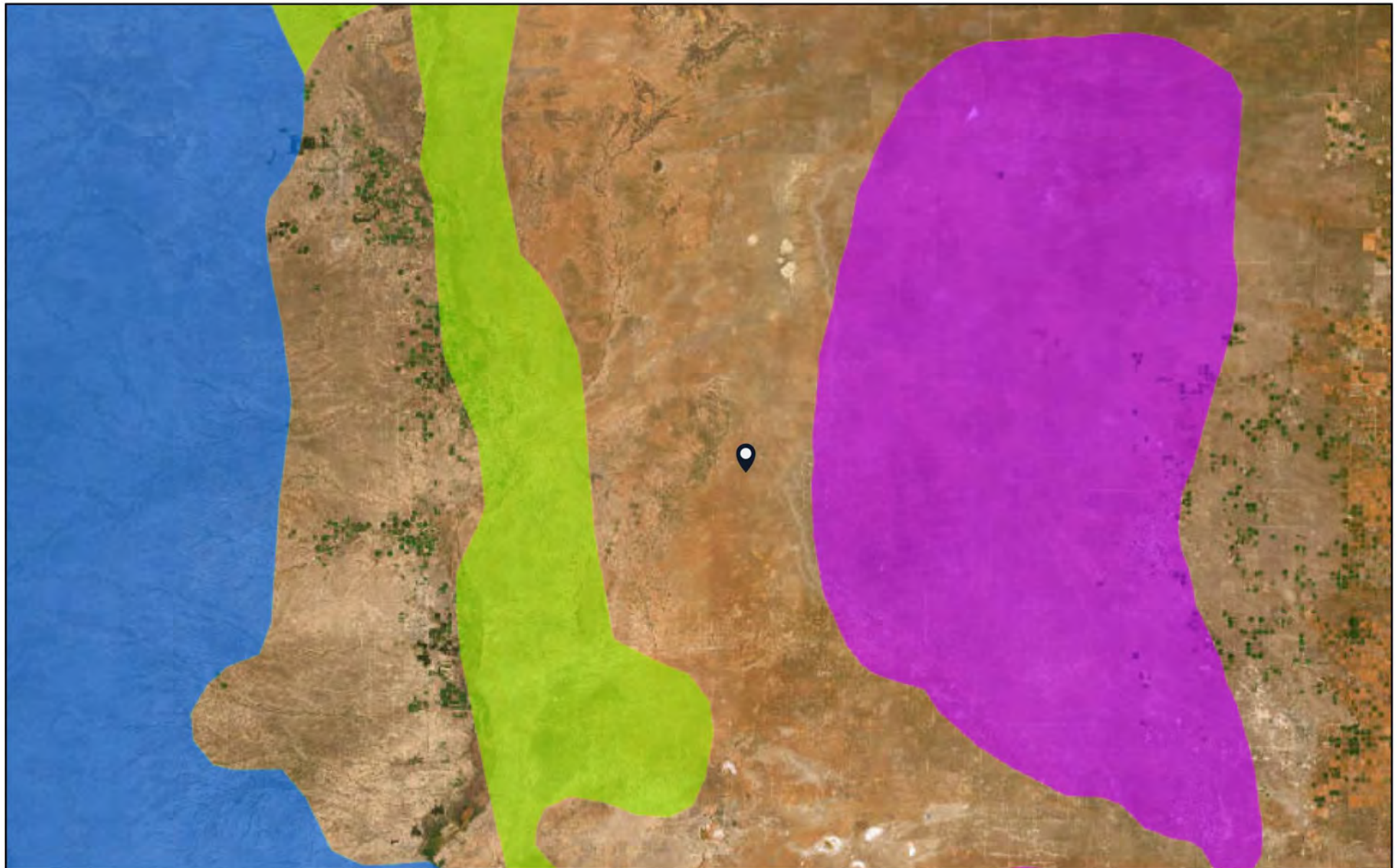
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps

Chaves 12"



5/23/2023

Karst Type

Carbonate

Erosional

Gypsum

Volcanic

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

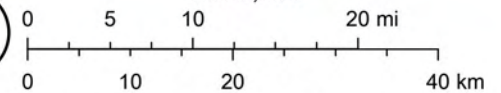
High Resolution 30cm Imagery

Citations

150m Resolution Metadata



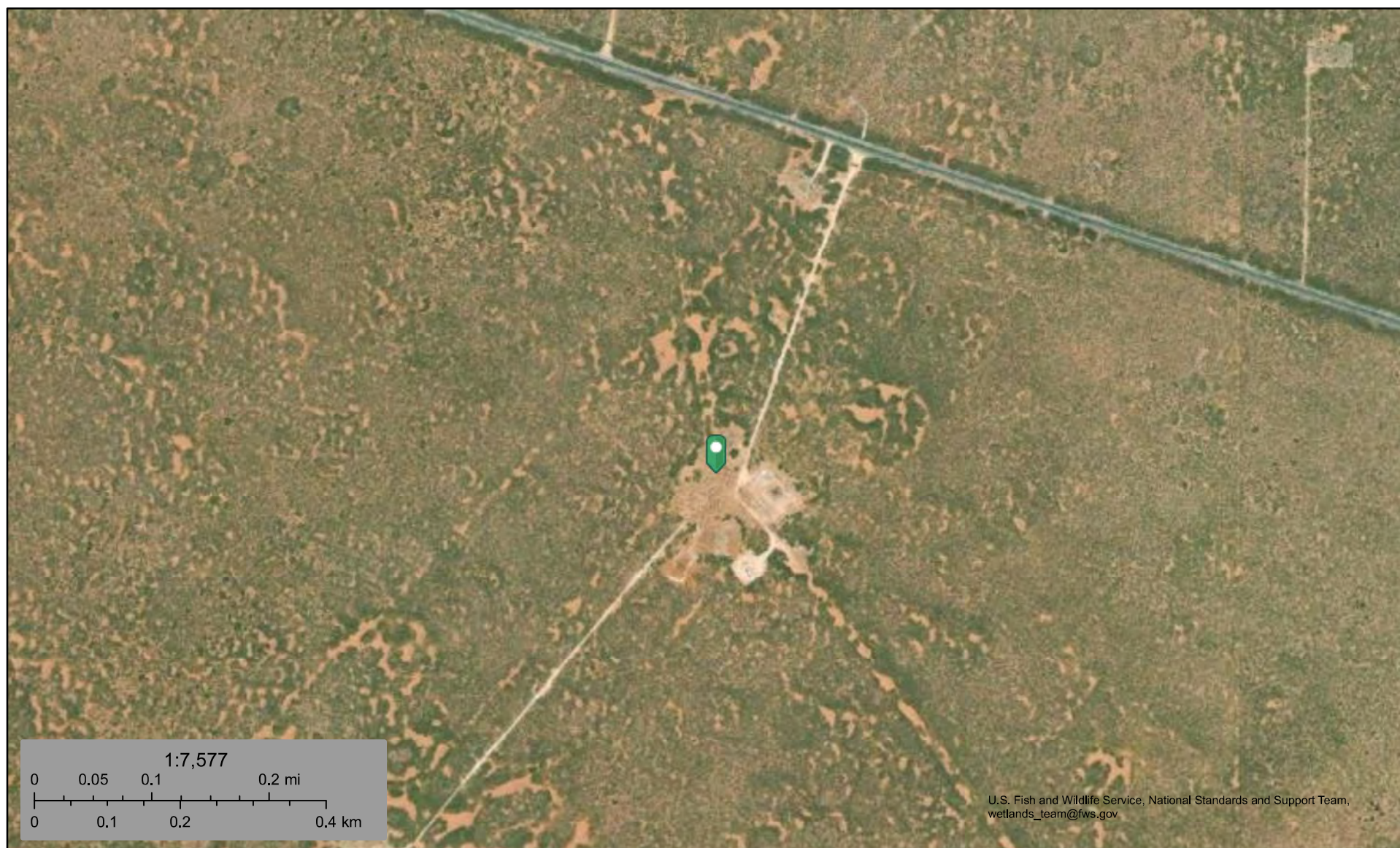
1:879,206



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 12"



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: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, May 10, 2023 8:31 AM
To: Daniel Dominguez
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, 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
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Tuesday, May 9, 2023 7:04 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 12" (nAPP2305244361) on Thursday May 11, 2023 at 7 am.
This is our 2 day notice.

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

Daniel Dominguez

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, May 17, 2023 3:42 PM
To: Daniel Dominguez
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Closure Samples

Daniel,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion 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
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Tuesday, May 16, 2023 12:08 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Closure Samples

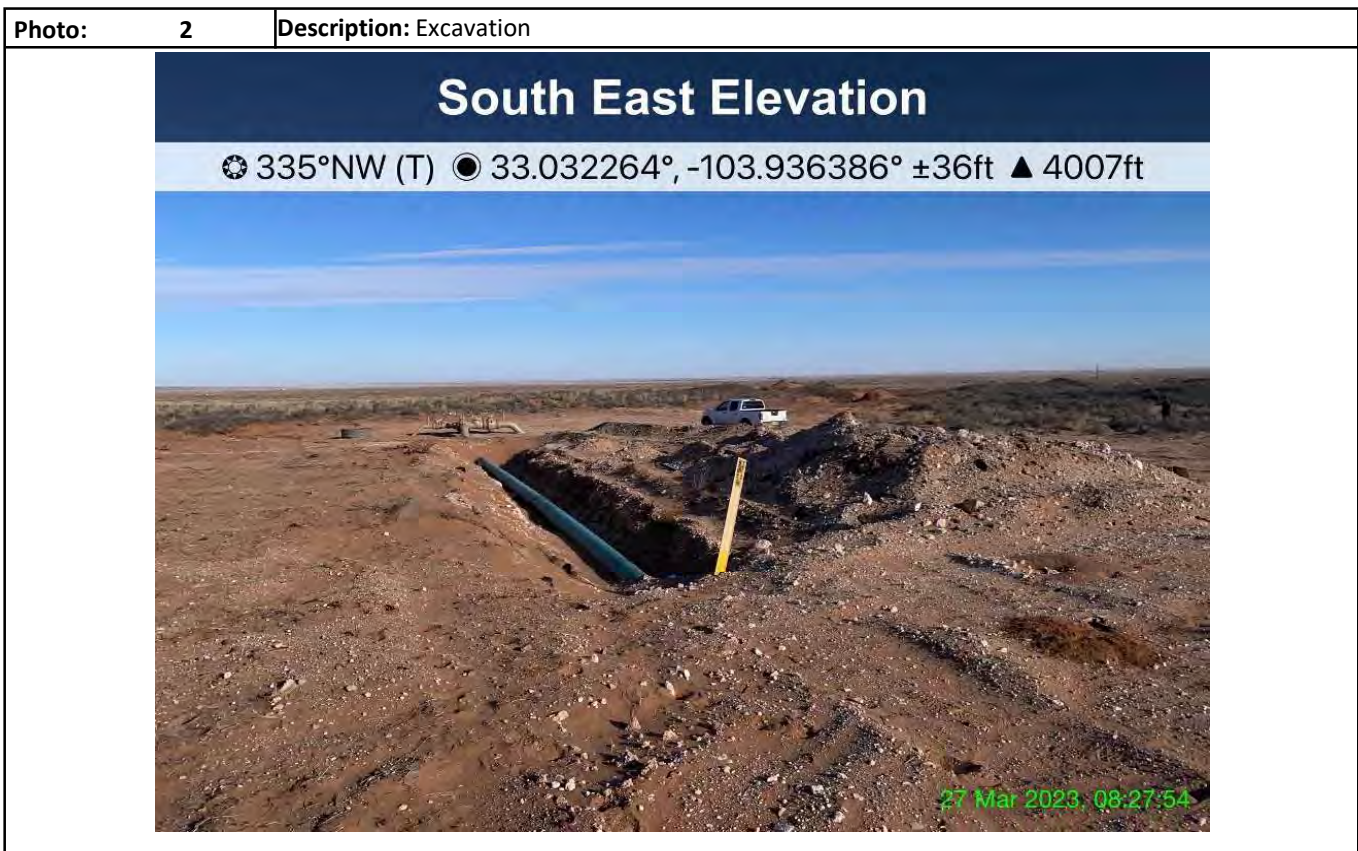
CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting additional closure samples at the Chaves 12" (nAPP2305244361) on Thursday May 18, 2023 at 1 pm.
This is our 2 day notice.

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

Attachment III Site 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): 599311.83 Northing (Y): 3655380.62 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.

5/23/23 11:05 AM

WELLS WITH WELL LOG INFORMATION

Attachment V

Field Data

Hungry Horse, LLC

Sample Log

Date: 5/4/23

Project: Chaves 12"

Latitude: 33.03249

Longitude: -103.936701

Sampler: Chris Alvarez



Sample ID	Depth	PID/Odor	Chloride	GPS
SP1	2'	Yes	$2.0 = 46 \times 4 = 184$	Already exc. to 2'
SP1	3'	Yes	$3.0 = 91 \times 4 = 364$	
SP1	4'	144444	$3.0 = 91 \times 4 = 364$	
SP1	5'	Yes	$2.2 = 51 \times 4 = 216$	
SP1	6'	Slight	$4.0 = 151 \times 4 = 604$	
SP1	8'	NO	$3.6 = 125 \times 4 = 500$	
SP2	2'	NO	$3.0 = 91 \times 4 = 364$	Already excavated to 2'
SP2	3'	NO	$2.8 = 81 \times 4 = 324$	
SP2	4'	NO	$3.0 = 91 \times 4 = 364$	
SP3	2'	NO	$3.8 = 138 \times 4 = 552$	Excavated to 2'
SP3	3'	NO	$3.8 = 138 \times 4 = 552$	
SP3	4'	NO	$3.0 = 91 \times 4 = 364$	
SP4	2'	NO	$4.0 = 151 \times 4 = 604$	excavated to 2'
SP4	3'	NO	$3.6 = 125 \times 4 = 500$	
SP4	4'	NO	$4.6 = 194 \times 4 = 776$	
SP4	5'	NO	$4.8 = 210 \times 4 = 840$	
SP4	6'	NO	$3.4 = 113 \times 4 = 452$	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Reports



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

April 04, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CHAVES 12"

Enclosed are the results of analyses for samples received by the laboratory on 03/30/23 14:12.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/30/2023	Sampling Date:	03/30/2023
Reported:	04/04/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / E SEC 9 T15S - R30E		

Sample ID: SP 1 (H231479-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61	
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30	
Total BTX	<0.300	0.300	04/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/03/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.3	10.0	03/31/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	92.8	10.0	03/31/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 2 (H231479-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 (H231479-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61	
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30	
Total BTEX	<0.300	0.300	04/01/2023	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	<16.0	16.0	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	255	10.0	03/31/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	73.9	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 (H231479-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/03/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.10	102	6.00	8.30		
Total BTEX	<0.300	0.300	04/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	225	10.0	04/03/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	137	10.0	04/03/2023	ND					

Surrogate: 1-Chlorooctane 106 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 1 - SURF (H231479-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 1 - 1' (H231479-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	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	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 2 - SURF (H231479-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	04/01/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	04/01/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 2 - 1' (H231479-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	04/01/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	04/01/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 3 - SURF (H231479-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEX	<0.300	0.300	04/01/2023	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	64.0	16.0	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	04/01/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	04/01/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 3 - 1' (H231479-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	04/01/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	04/01/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 4 - SURF (H231479-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	04/01/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	04/01/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: CHAVES 12"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL / E SEC 9 T15S - R30E

Sampling Date: 03/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ 4 - 1' (H231479-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2023	ND	1.91	95.3	2.00	8.61		
Toluene*	<0.050	0.050	04/01/2023	ND	1.93	96.6	2.00	8.77		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	1.98	99.1	2.00	9.10		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.10	102	6.00	8.30		
Total BTEx	<0.300	0.300	04/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	04/03/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2023	ND	188	94.1	200	6.24	
DRO >C10-C28*	<10.0	10.0	04/01/2023	ND	191	95.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	04/01/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

Relinquished By: <i>Eli Dominguez</i>		Date: <i>3/30/12</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: <i>2:12</i>	<i>Eli Dominguez</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>cfrost@durangomidstream.com</i>
		Time:		
Delivered By: (Circle One) <i>-8.1 = C-O-U-</i>		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: <i>-8.7 = #13</i>		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>SK</i>	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 16

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Daniel Dominguez		P.O. #:																						
Address: PO Box 1058		Company: Frontier Field Services, LLC																						
City: Hobbs	State: NM	Zip: 88241	Attn: Chad Frost																					
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																						
Project #:	Project Owner: Frontier Field Services, LLC		City: Maljamar																					
Project Name: Chaves 12"			State: NM Zip: 88264																					
Project Location: UL/ E Sec 9 T15S - R30E			Phone #: 575-703-7992																					
Sampler Name: Eli Dominguez			Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021							
H231479																								
5	HZ1-Surf	G	1			X					X		3/30/23		X	X	X							
6	HZ1-1'	G	1			X					X		3/30/23		X	X	X							
7	HZ2-Surf	G	1			X					X		3/30/23		X	X	X							
8	HZ2-1'	G	1			X					X		3/30/23		X	X	X							
9	HZ3-Surf	G	1			X					X		3/30/23		X	X	X							
10	HZ3-1'	G	1			X					X		3/30/23		X	X	X							
11	HZ4-Surf	G	1			X					X		3/30/23		X	X	X							
12	HZ4-1'	G	1			X					X		3/30/23		X	X	X							

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Relinquished By: Eli Dominguez	Date: 3/30/23	Received By: S. Rodriguez	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 2:12	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) - 8.12 / C.O.U.	Sampler - UPS - Bus - Other: - 8.72 #113	Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SR</i>	
REMARKS:			Email results to: pm@hungry-horse.com cfrost@durangomidstream.com	

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



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

May 10, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CHAVES 12"

Enclosed are the results of analyses for samples received by the laboratory on 05/05/23 10:26.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/04/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / E SEC 9 T15S - R30E		

Sample ID: SP 1 - 8' (H232230-01)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	1.95	97.5	2.00	5.26	
Toluene*	<0.050	0.050	05/06/2023	ND	1.95	97.7	2.00	3.92	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.13	102	6.00	4.51	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2023	ND	400	100	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	05/06/2023	ND	159	79.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	163	81.7	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	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



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/04/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / E SEC 9 T15S - R30E		

Sample ID: SP 2 - 4' (H232230-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	1.95	97.5	2.00	5.26	
Toluene*	<0.050	0.050	05/06/2023	ND	1.95	97.7	2.00	3.92	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.13	102	6.00	4.51	
Total BTEx	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2023	ND	400	100	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	05/06/2023	ND	159	79.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	163	81.7	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/04/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / E SEC 9 T15S - R30E		

Sample ID: SP 3 - 4' (H232230-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2023	ND	1.95	97.5	2.00	5.26		
Toluene*	<0.050	0.050	05/06/2023	ND	1.95	97.7	2.00	3.92		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	3.79		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.13	102	6.00	4.51		
Total BTEx	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/08/2023	ND	400	100	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	05/06/2023	ND	159	79.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	163	81.7	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/04/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / E SEC 9 T15S - R30E		

Sample ID: SP 4 - 8' (H232230-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2023	ND	1.95	97.5	2.00	5.26		
Toluene*	<0.050	0.050	05/06/2023	ND	1.95	97.7	2.00	3.92		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	3.79		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.13	102	6.00	4.51		
Total BTEx	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/08/2023	ND	400	100	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	05/06/2023	ND	159	79.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	163	81.7	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

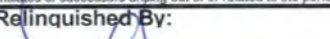
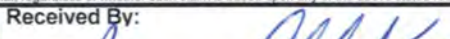


101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 	Date: 5/6/23 Time: 10:26	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date: Time:	Received By:	REMARKS: Email results to: pm@hungry-horse.com cfrost@durangomidstream.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -0.9c/-1.5c	#13	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	

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



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

May 16, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CHAVES 12"

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 13:10.

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.

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:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.08	104	2.00	3.41	
Toluene*	<0.050	0.050	05/13/2023	ND	2.22	111	2.00	1.54	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.37	119	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	7.05	118	6.00	2.63	
Total BTX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.7	200	3.33	
DRO >C10-C28*	31.8	10.0	05/12/2023	ND	179	89.3	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.08	104	2.00	3.41	
Toluene*	<0.050	0.050	05/13/2023	ND	2.22	111	2.00	1.54	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.37	119	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	7.05	118	6.00	2.63	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.7	200	3.33	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	179	89.3	200	7.93	
EXT DRO >C28-C36	11.4	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.08	104	2.00	3.41		
Toluene*	<0.050	0.050	05/13/2023	ND	2.22	111	2.00	1.54		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.37	119	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	7.05	118	6.00	2.63		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.7	200	3.33	
DRO >C10-C28*	199	10.0	05/12/2023	ND	179	89.3	200	7.93	
EXT DRO >C28-C36	66.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.08	104	2.00	3.41	
Toluene*	<0.050	0.050	05/13/2023	ND	2.22	111	2.00	1.54	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.37	119	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	7.05	118	6.00	2.63	
Total BTEx	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.7	200	3.33	
DRO >C10-C28*	25.9	10.0	05/12/2023	ND	179	89.3	200	7.93	
EXT DRO >C28-C36	13.6	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEX	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.7	200	3.33	
DRO >C10-C28*	13.8	10.0	05/12/2023	ND	179	89.3	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.7	200	3.33	
DRO >C10-C28*	53.0	10.0	05/12/2023	ND	179	89.3	200	7.93	
EXT DRO >C28-C36	20.5	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEx	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
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 Fax To: (505) 391-4585

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEx	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	27.7	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	45.1	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 Fax To: (505) 391-4585

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEx	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	73.9	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	30.5	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Analytical Results For:

Hungry Horse Environmental
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 Fax To: (505) 391-4585

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEx	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEx	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEx	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEX	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	112	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	25.6	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 (H232360-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.32	116	2.00	0.419		
Toluene*	<0.050	0.050	05/13/2023	ND	2.29	114	2.00	0.748		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.23	112	2.00	0.457		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.76	113	6.00	0.357		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	1.37	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	205	102	200	0.277	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																									
Project Manager: Daniel Dominguez		P.O. #:																											
Address: PO Box 1058		Company: Frontier Field Services, LLC																											
City: Hobbs	State: NM	Zip: 88241	Attn: Chad Frost																										
Phone #: 575 393-3386	Fax #:		Address: 47 Conoco Rd																										
Project #:	Project Owner: Frontier Field Services, LLC		City: Maljamar																										
Project Name: Chaves 12"			State: NM Zip: 88264																										
Project Location: UL/ E Sec 9 T15S - R30E			Phone #: 575-703-7992																										
Sampler Name: Bradley Wells			Fax #:																										
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMPLING																						
Lab I.D.	Sample I.D.	(GRAB OR C)COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021												
H2323100		C	1			X				X			5/11/23		X	X	X												
1	FL1	C	1			X				X			5/11/23		X	X	X												
2	FL2	C	1			X				X			5/11/23		X	X	X												
3	FL3	C	1			X				X			5/11/23		X	X	X												
4	FL4	C	1			X				X			5/11/23		X	X	X												
5	FL5	C	1			X				X			5/11/23		X	X	X												
6	FL6	C	1			X				X			5/11/23		X	X	X												
7	FL7	C	1			X				X			5/11/23		X	X	X												
8	FL8	C	1			X				X			5/11/23		X	X	X												
9	FL9	C	1			X				X			5/11/23		X	X	X												
10	FL10	C	1			X				X			5/11/23		X	X	X												
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Relinquished By: B Wells		Date: 5-11-23	Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:																						
Time: 1310		Date:	Received By:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:																						
Delivered By: (Circle One)		Date:	Sample Condition		CHECKED BY: (Initials)		REMARKS: Email results to: pm@hungry-horse.com cfrost@durangomidstream.com																						
Sampler - UPS - Bus - Other: 3.5c / 2.9c #113		Time:	Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TO																								
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																													



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 28 of 29

Company Name: Hungry Horse LLC		Project Manager: Daniel Dominguez		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #:		Project #:		Project Name: Chaves 12"		Project Location: UL/ E Sec 9 T15S - R30E		Sampler Name: Bradley Wells															
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021	
		H232360				C		1				X										X				5/11/23				X		X		X			
		12		FL12		C		1				X										X				5/11/23				X		X		X			
		13		FL13		C		1				X										X				5/11/23				X		X		X			
		14		FL14		C		1				X										X				5/11/23				X		X		X			
		15		FL15		C		1				X										X				5/11/23				X		X		X			
		16		FL16		C		1				X										X				5/11/23				X		X		X			
		17		FL17		C		1				X										X				5/11/23				X		X		X			
		18		FL18		C		1				X										X				5/11/23				X		X		X			

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Relinquished By: <i>B. Wells</i>		Date: 5-11-23		Received By: <i>Tamara R. [Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 1310						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 cfrost@durangomidstream.com			
Time:									
Delivered By: (Circle One)		#13		Sample Condition					
Sampler - UPS - Bus - Other: 3.5C / 2.9C				Cool Intact					
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
				<input type="checkbox"/> No <input type="checkbox"/> No					
				CHECKED BY: (Initials)					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Hungry Horse LLC		Project Manager: Daniel Dominguez		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #:		Project #:		Project Owner: Frontier Field Services, LLC		Project Name: Chaves 12"		Project Location: UL/ E Sec 9 T15S - R30E		Sampler Name: Bradley Wells			
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		Chloride		TPH		BTEX 8021							
19		SW1		C 1				X						X		5/11/23				X		X		X			
20		SW2		C 1				X						X		5/11/23				X		X		X			
21		SW3		C 1				X						X		5/11/23				X		X		X			
22		SW4		C 1				X						X		5/11/23				X		X		X			
23		SW5		C 1				X						X		5/11/23				X		X		X			
24		SW6		C 1				X						X		5/11/23				X		X		X			

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Relinquished By: <i>B. Wells</i>		Date: 5-11-23		Received By: <i>Thomas Reddy</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1310				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 cfrost@durangomidstream.com			
		Time:							
Delivered By: (Circle One)		Sample Condition		CHECKED BY:					
Sampler - UPS - Bus - Other: 3.5c / 2.9c		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) <i>JS</i>					

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



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

May 23, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CHAVES 12"

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 15:32.

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.

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:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 B (H232534-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.25	112	2.00	6.08	
Toluene*	<0.050	0.050	05/21/2023	ND	2.28	114	2.00	4.55	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.39	119	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	7.07	118	6.00	2.14	
Total BTX	<0.300	0.300	05/21/2023	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	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	162	80.8	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	175	87.4	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 B (H232534-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.25	112	2.00	6.08	
Toluene*	<0.050	0.050	05/21/2023	ND	2.28	114	2.00	4.55	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.39	119	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	7.07	118	6.00	2.14	
Total BTEX	<0.300	0.300	05/21/2023	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	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	162	80.8	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	175	87.4	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	CHAVES 12"	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 B (H232534-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2023	ND	2.25	112	2.00	6.08		
Toluene*	<0.050	0.050	05/21/2023	ND	2.28	114	2.00	4.55		
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.39	119	2.00	3.16		
Total Xylenes*	<0.150	0.150	05/21/2023	ND	7.07	118	6.00	2.14		
Total BTEx	<0.300	0.300	05/21/2023	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	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	162	80.8	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	175	87.4	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Notes and Definitions

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

† 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	nAPP2305244361
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 agroves@durangomidstream.com	Incident # (assigned by OCD)
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

Location of Release Source

Latitude 33.032490 Longitude -103.936701
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Chaves 12" 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 type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 64.43	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
External & Internal corrosion.

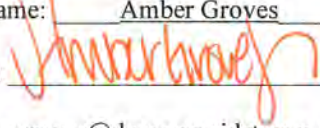
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2305244361
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>2/21/2023</u>
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>02/21/2023</u>



Gas Volume Release Report

Gas Release Volume Calculator		
Date:	2/19/2023	
Site or Line Name:	Chavez 12" steel line	
Area of Hole in Pipe:	0.25	square inches
Absolute Pressure:	38	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	120.00	minutes
Actual Temperature:	72	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	25.50	MACF
Volume of Gas - SCF	64.43	MSCF
Notes		
Entered by user		
Calculated Value		
Constant		

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

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

CONDITIONS

Action 225450

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 225450
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/6/2023