



Remediation Summary and Closure Request

Frontier Field Services, LLC

Cedar Breaks 12"

Eddy County, New Mexico

Unit Letter "E", Section 8, Township 18 South, Range 31 East

Latitude 32.762842 North, Longitude 103.897907 West

NMOCD Incident # nAPP2301030161

Prepared For:

Frontier Field Services, LLC

47 Conoco Rd

Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

Office: (575) 393-3386

June 2023

Handwritten signature of Bradley Wells in black ink.

Bradley Wells

Project Manager

bwells@hungry-horse.com

Handwritten signature of Daniel Dominguez in black ink.

Daniel Dominguez

Environmental Manager

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Incident ID	nAPP2301030161
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

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

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

OCD Only

Received by: Shelly Wells Date: 6/30/2023

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Remediation Plan

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

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

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

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

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

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

OCD Only

Received by: Shelly Wells Date: 6/30/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2301030161
District RP	
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Application ID	

Closure

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

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

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

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

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

OCD Only

Received by: Shelly Wells Date: 6/30/2023

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: *Ashley Maxwell* Date: 11/28/2023
 Printed Name: Ashley Maxwell Title: Environmental Specialist



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 8, Township 18 South, Range 31 East, approximately seven miles southeast of Loco Hills, in Eddy County, New Mexico. The location is on Bureau of Land Management land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active pipeline; Latitude 32.762842 North, Longitude 103.897907 West. The Initial NMOCD Form C-141 indicated that on January 7, 2023 approximately 8.91 bbls of condensate and 17.86 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. 3 bbls of fluid was recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is not located in a Karst designated area. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

No water wells could be located within a half mile of the release area, therefore, depth to water could not be determined. Consequently, the site was delineated and further remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

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



Delineation and Remediation Activities:

On March 17, 2023, the NMCOD was contacted and a ninety-day extension was requested while Frontier awaited receipt of NMBLM Arch Clearance. On March 17, 2023, the NMOCD approved a ninety-day extension, moving the completion date to July 7, 2023. NMOCD correspondence is provided in Attachment II.

On March 30, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On May 24, 2023, after receipt of NMBLM Arch Clearance, the excavation and release area were delineated. During delineation, sample test trenches were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the sample test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, fourteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP3, and HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP2 at Surface and four feet bgs, and SP3 at Surface, which exhibited TPH and/or chloride concentrations in excess of the NMOCD Closure Criteria.

On May 25, 26, and 30, 2023, the excavation floor and sidewalls were expanded and the release area outside the initial excavation was excavated. Excavated contaminated soil was temporarily stockpiled onsite, atop plastic, before transport to an NMOCD approved disposal facility.

On June 6, 2023, thirty 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 FL23 and SW1 through SW7, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of FL5, at five feet, which exhibited chloride concentrations in excess of the NMOCD Closure Criteria.

On June 14, 2023, the area in excess of NMOCD Closure Criteria was further excavated and sampled. Soil sample FL5b, was 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 twenty feet in length, thirty feet in width, and five to seven feet in depth. During remediation activities approximately 690 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 Cedar Breaks 12" location, nAPP2301030161.

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 Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

Figures

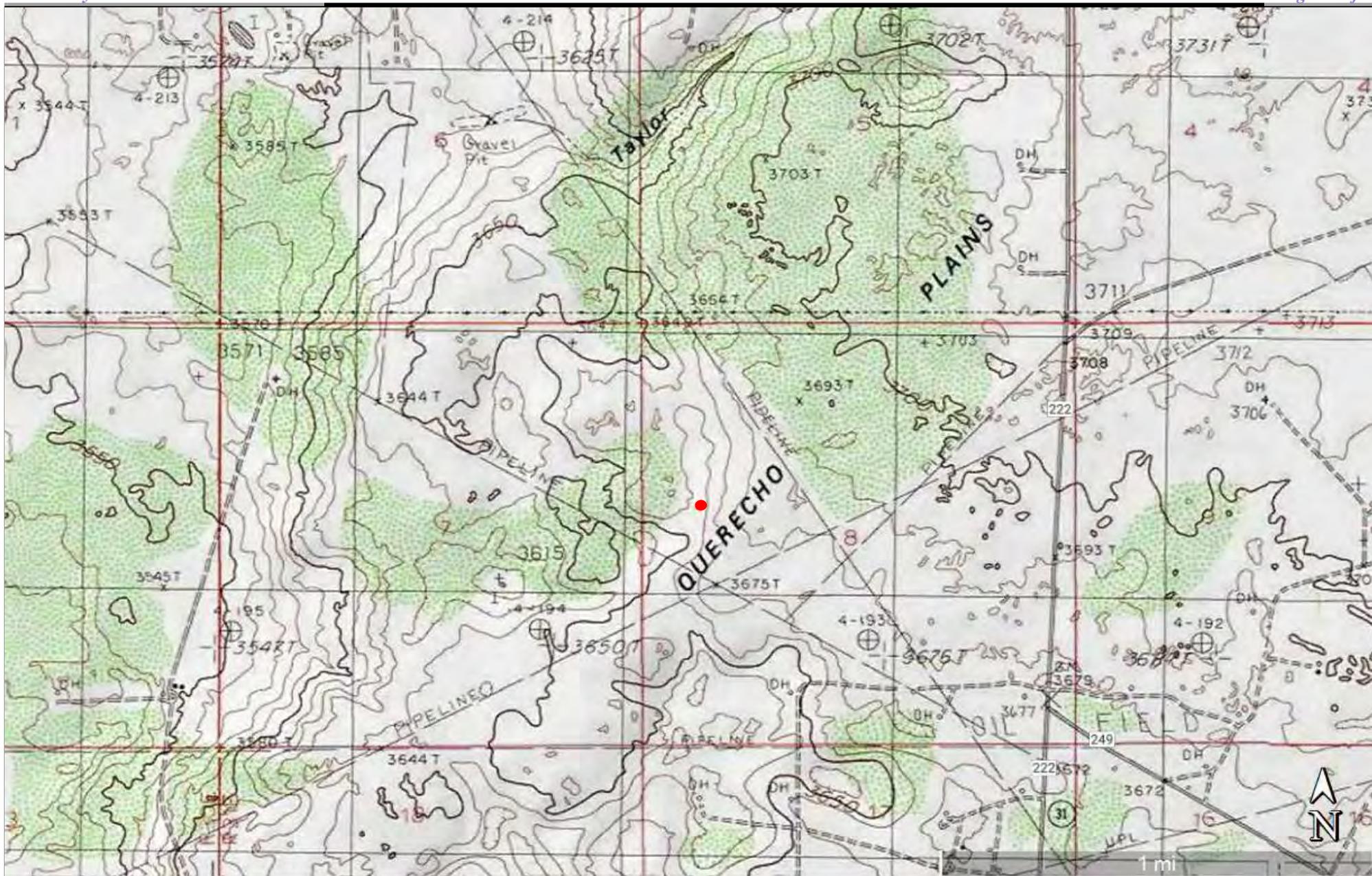


Figure 1

Topographic Map
 Frontier Field Services, LLC
 Cedar Breaks 12"
 GPS: 32.762842, -103.897907
 Eddy County

Legend:

● Cedar Breaks 12" Location

Drafted: dd
 Checked: bw
 Date: 3/31/23





Figure 2

OSE POD Locations Map
Frontier Field Services, LLC
Cedar Breaks 12"
GPS: 32.762842, -103.897907
Eddy County

Legend:

● Cedar Breaks 12" Location

Drafted: dd
Checked: bw
Date: 3/31/23





Figure 3

USGS Well Locations Map
Frontier Field Services, LLC
Cedar Breaks 12"
GPS: 32.762842, -103.897907
Eddy County

Legend:

● Cedar Breaks 12" Location

Drafted: dd
Checked: bw
Date: 3/31/23





Figure 4

Delineation Sample Map
Frontier Field Services, LLC
Cedar Breaks 12"
GPS: 32.762842, -103.897907
Eddy County

Legend:

-  Excavation Area
-  Delineation Sample Location

Drafted: dd
Checked: bw
Date: 5/24/23





Figure 5

Excavation Sample Map
Frontier Field Services, LLC
Cedar Breaks 12"
GPS: 32.762842, -103.897907
Eddy County

Legend:

-  Excavated Area
-  Composite Confirmation Sample Location

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



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Cedar Breaks 12"
NMOCD Ref. #: nAPP2301030161

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	5/24/23	Surf	Excavated	<0.050	<0.300	<10.0	49.4	49.4	10.7	60.1	<16.0
	5/24/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SP2	5/24/23	Surf	Excavated	<0.050	<0.300	<10.0	299	299	64.6	363.6	128
	5/24/23	4	Excavated	<0.050	<0.300	<10.0	214	214	52.3	266.3	80.0
SP3	5/24/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
	5/24/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ1	5/24/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	5/24/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	5/24/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	5/24/23	1	In-Situ	<0.050	<0.300	<10.0	43.8	<20.0	<10.0	43.8	16.0
HZ3	5/24/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	5/24/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	5/24/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	5/24/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria*Released to Imaging: 11/28/2023 10:48:39 AM*

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Cedar Breaks 12"
NMOCD Ref. #: nAPP2301030161

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)
FL1	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL2	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL4	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL5	6/6/23	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,230
FL5b	6/14/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL6	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL7	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL8	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL9	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL10	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL11	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL12	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	36.4	<20.0	<10.0	<30.0	96.0
FL13	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL14	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL15	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL16	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL17	6/6/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL18	6/6/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL19	6/6/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL20	6/6/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL21	6/6/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL22	6/6/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL23	6/6/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW1	6/6/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW2	6/6/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW3	6/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW4	6/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW5	6/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW6	6/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW7	6/6/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

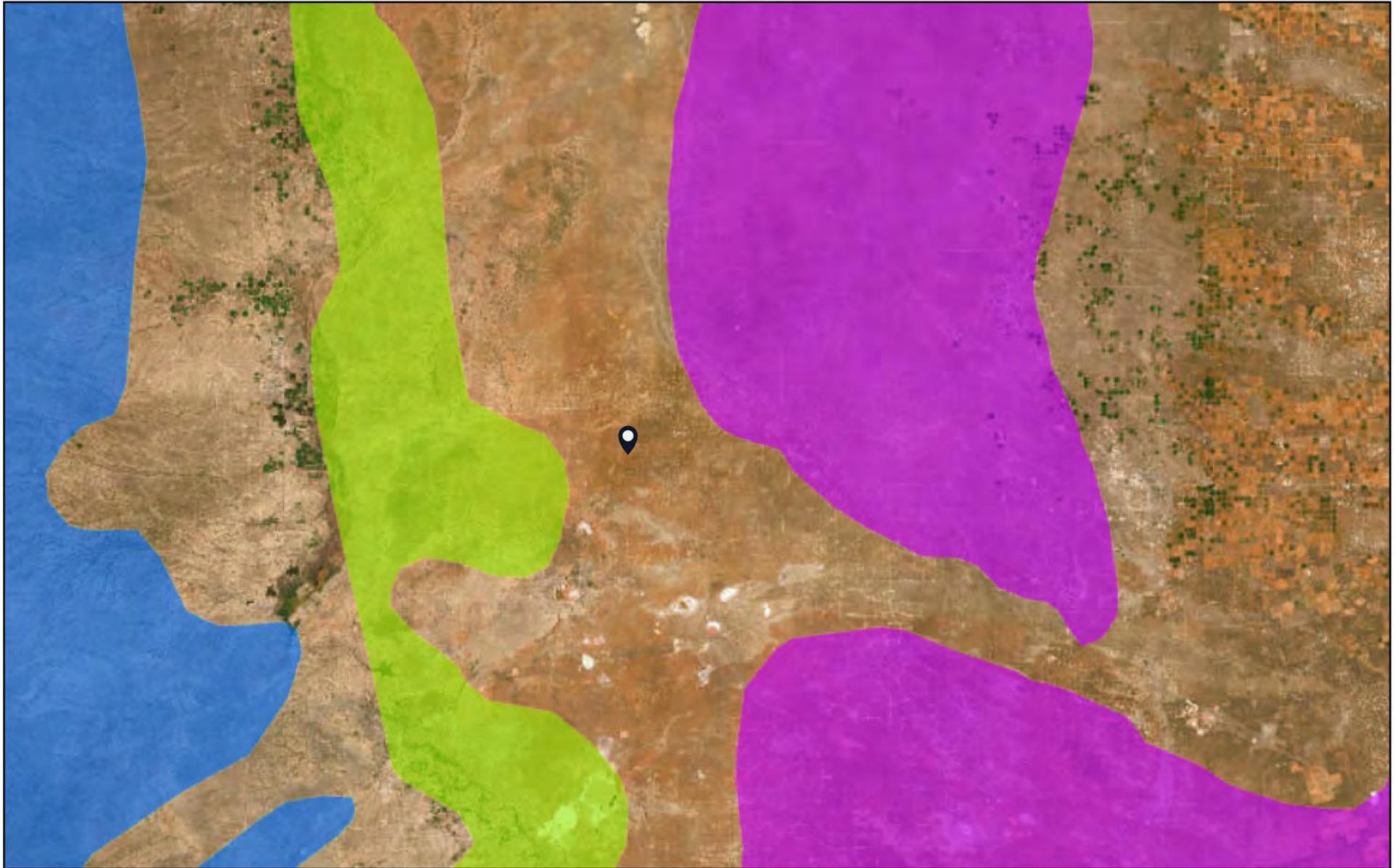
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps

Cedar Breaks 12"



6/23/2023

Karst Type

Carbonate

Erosional

Gypsum

Volcanic

World Imagery

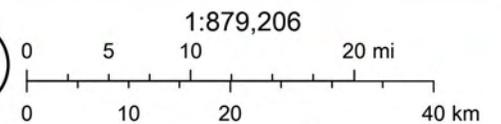
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

150m Resolution Metadata



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



Cedar Breaks 12"



June 23, 2023

Wetlands_Alaska

- 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: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, March 17, 2023 8:32 AM
To: Amber Groves
Cc: Chad Frost; Darin Kennard; Mary Taylor; Daniel Dominguez; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: (Extension Approval) - Durango - NAPP2301030161 12" Cedar Breaks

RE: Incident #NAPP2301030161

Amber,

Your request for an extension to **July 7th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Amber Groves <AGroves@durangomidstream.com>
Sent: Friday, March 17, 2023 7:46 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chad Frost <cfrost@durangomidstream.com>; Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>; Daniel Dominguez <ddominguez@hungry-horse.com>
Subject: [EXTERNAL] nAPP2301030161 12" Cedar Breaks Extension Request

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

Good Morning,

Frontier Field Services would like to respectfully request a 90 day extension for nAPP2301030161 12" Cedar Breaks. A KMZ was sent to BLM for Archaeological clearance, which we have not received. Please feel free to let us know should you have any questions.

Thank you,

Amber Groves | Sr. Environmental Specialist
Mobile 575.703.7992



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

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This email, including attachments, may include confidential and/or proprietary information, and may be used only by the person or entity to which it is addressed. Please do not read, copy or disseminate this communication unless you are the intended addressee. If you have received this communication in error, please permanently delete and call (575) 513-4922 immediately and ask to speak to the sender of this communication. Also, please notify immediately via email that you have received this message in error.

Daniel Dominguez

From: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Sent: Monday, May 22, 2023 8:21 AM
To: Daniel Dominguez
Subject: FW: [EXTERNAL] 12" Cedar Breaks (nAPP2301030161)

See below.

Lupe Carrasco

Sr. Environmental Specialist

(575)703-7992

gcarrasco@durangomidstream.com



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

From: Taylor, Shelly J <sjtaylor@blm.gov>
Sent: Monday, May 22, 2023 8:19 AM
To: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Cc: Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>
Subject: Re: [EXTERNAL] 12" Cedar Breaks (nAPP2301030161)

Morning Lupe,

An arch survey was performed and entered into our system on March 29, 2023 for this release and you were cleared. Please let me know if you need anything else.

Sincerely,

Shelly J Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office
620 E. Greene St
Carlsbad, NM 88220
Direct 575.234.5706
Mobile 575.499.6831
sjtaylor@blm.gov

Spill/Release email: BLM_NM_CFO_REALTY_SPILL@BLM.GOV

PLEASE NOTE: I have a new email address: sjtaylor@blm.gov



From: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Sent: Monday, May 22, 2023 8:11 AM
To: Taylor, Shelly J <sjtaylor@blm.gov>
Cc: Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>
Subject: [EXTERNAL] 12" Cedar Breaks (nAPP2301030161)

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good morning,

Would you mind checking on an Arch Clearance submittal for the for the 12" Cedar Breaks (nAPP2301030161)? The request was submitted by Amber Groves while she was with Durango Midstream. Please let me know if you have any questions.

Thanks!

Lupe Carrasco

Sr. Environmental Specialist

(575)703-7992

gcarrasco@durangomidstream.com



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

Daniel Dominguez

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Friday, June 2, 2023 3:41 PM
To: Daniel Dominguez; Enviro, OCD, EMNRD
Subject: RE: [EXTERNAL] Closure Samples

Received.

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.

Mike Buchanan • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE | Albuquerque, NM 87113
| michael.buchanan@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Friday, June 2, 2023 6:19 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 Cedar Breaks 12" (nAPP2301030161) on Tuesday June 6, 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: Monday, June 12, 2023 4:31 PM
To: Daniel Dominguez
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, 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: Monday, June 12, 2023 6:25 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.

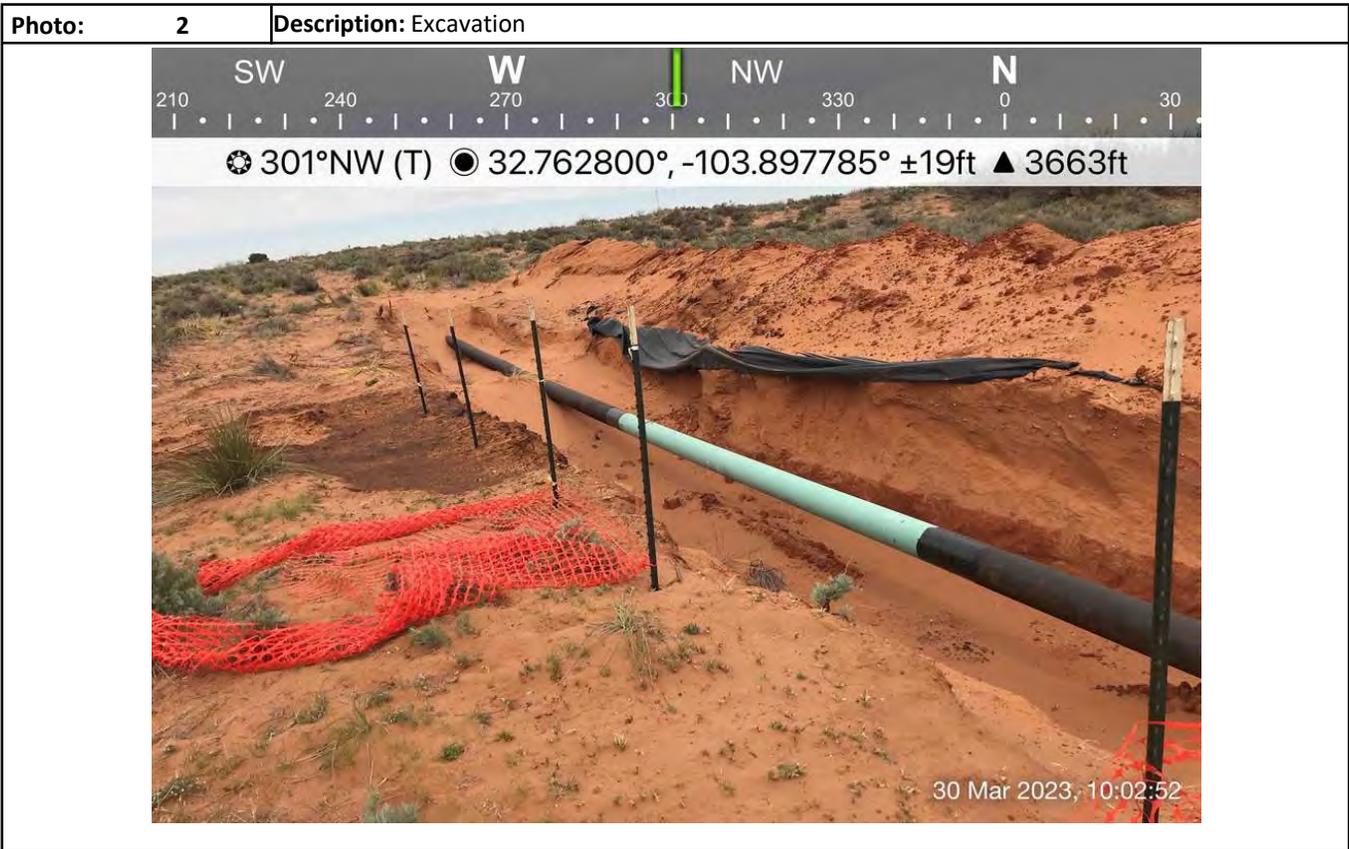
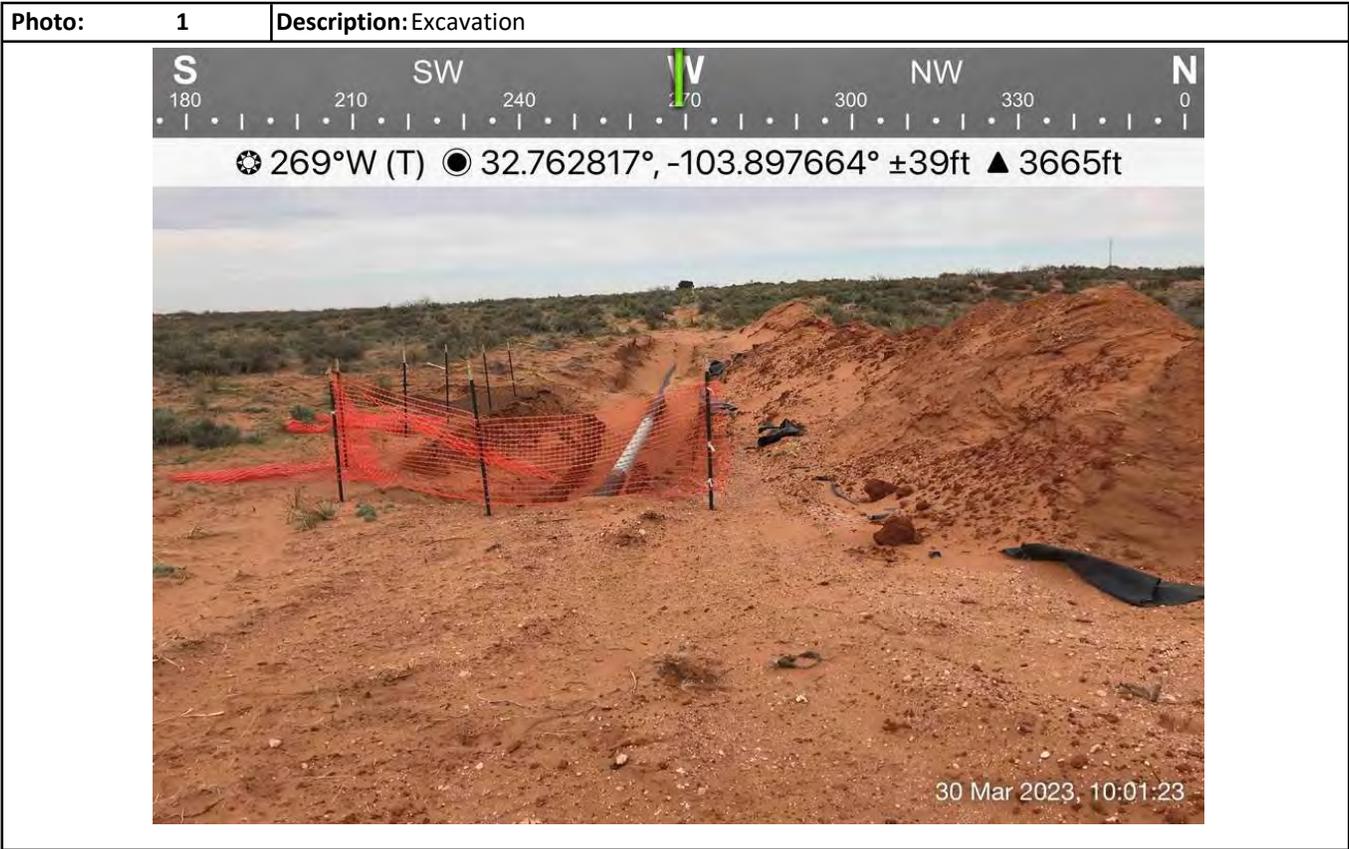
We will be collecting additional closure samples at the Cedar Breaks 12" (nAPP2301030161) on Wednesday June 14, 2023, at 8 am.

This is our 2 day notice.

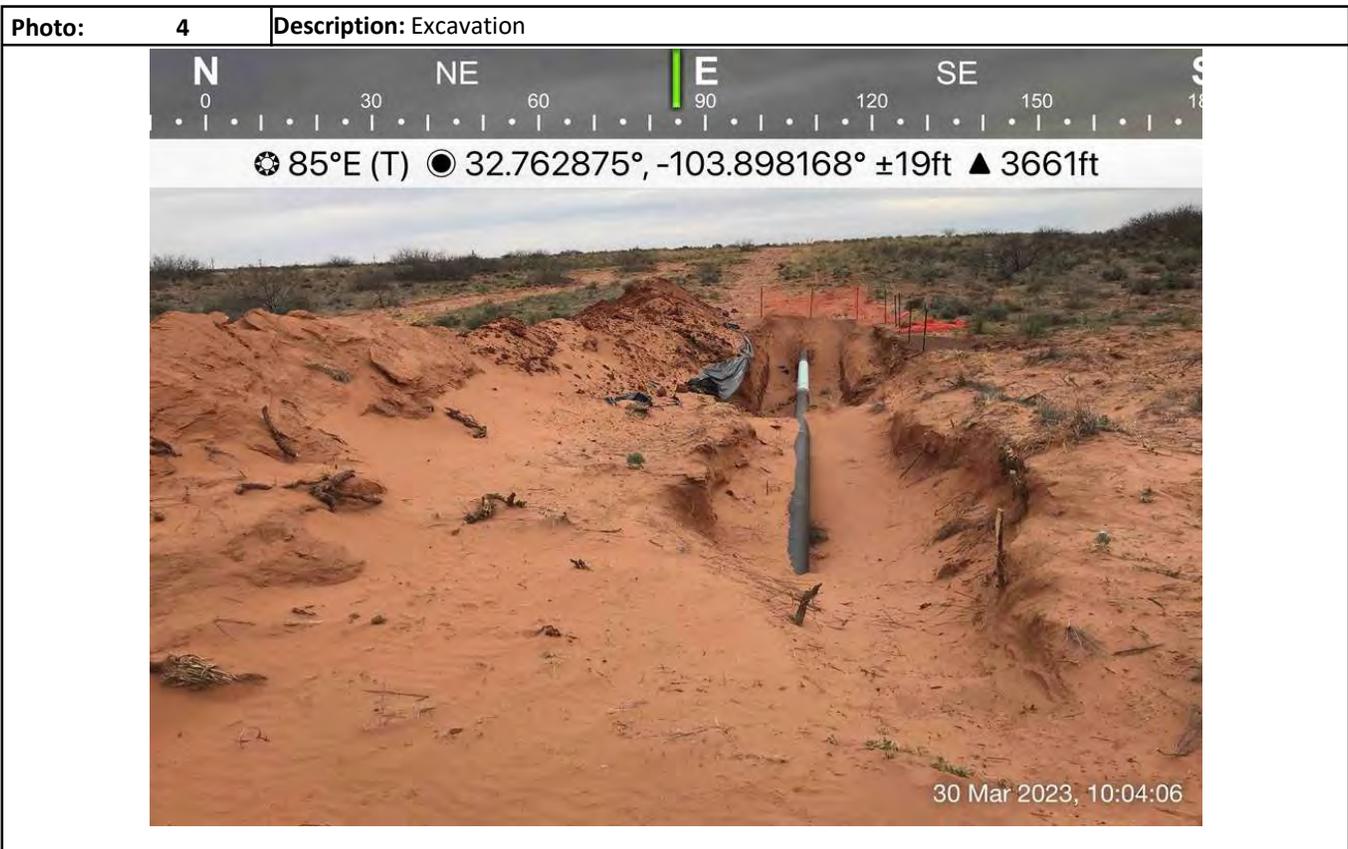
Daniel Dominguez
Environmental Manager
Hungry Horse, LLC
(mobile) 575-408-3134
ddominguez@hungry-horse.com

Attachment III Site Photographs

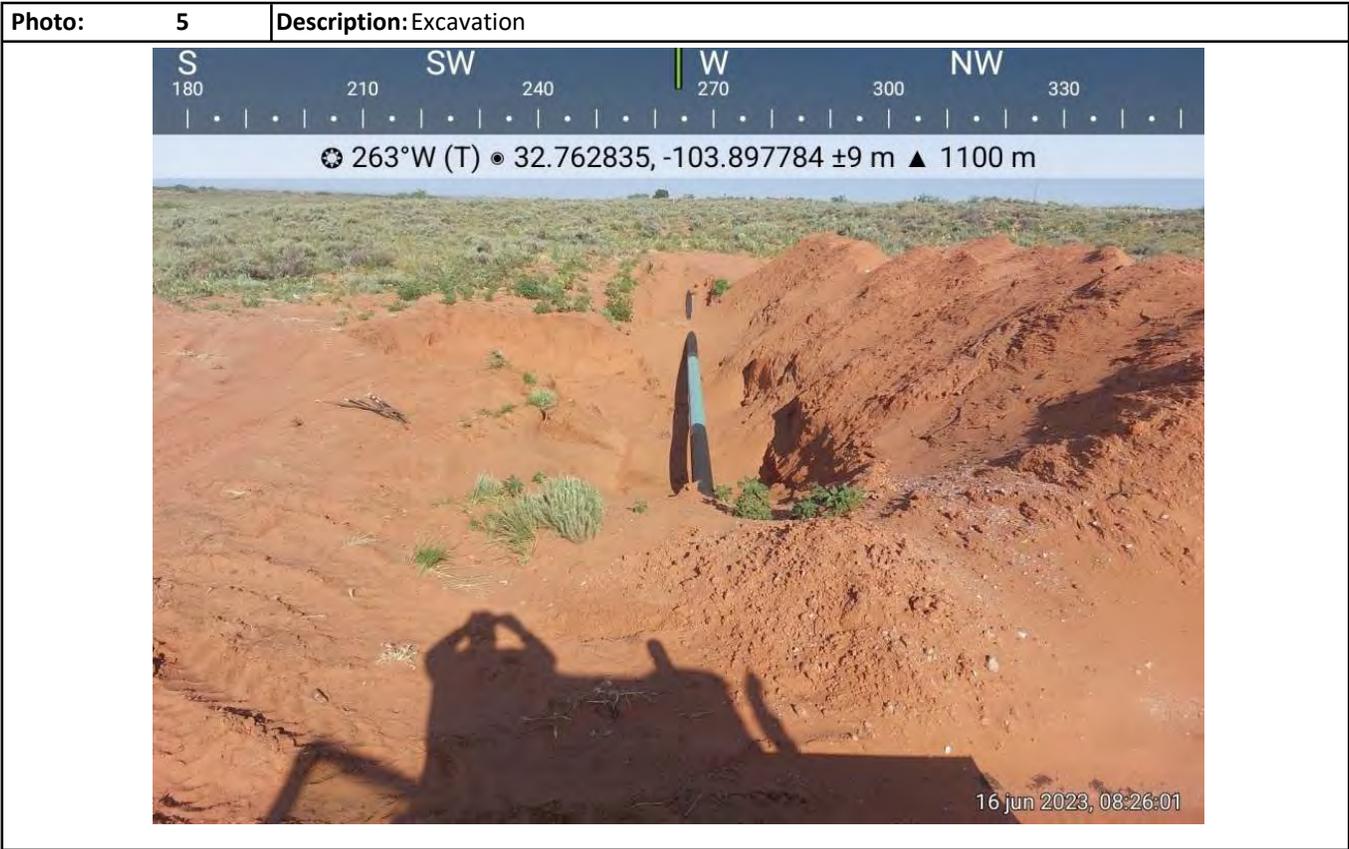
Photographs



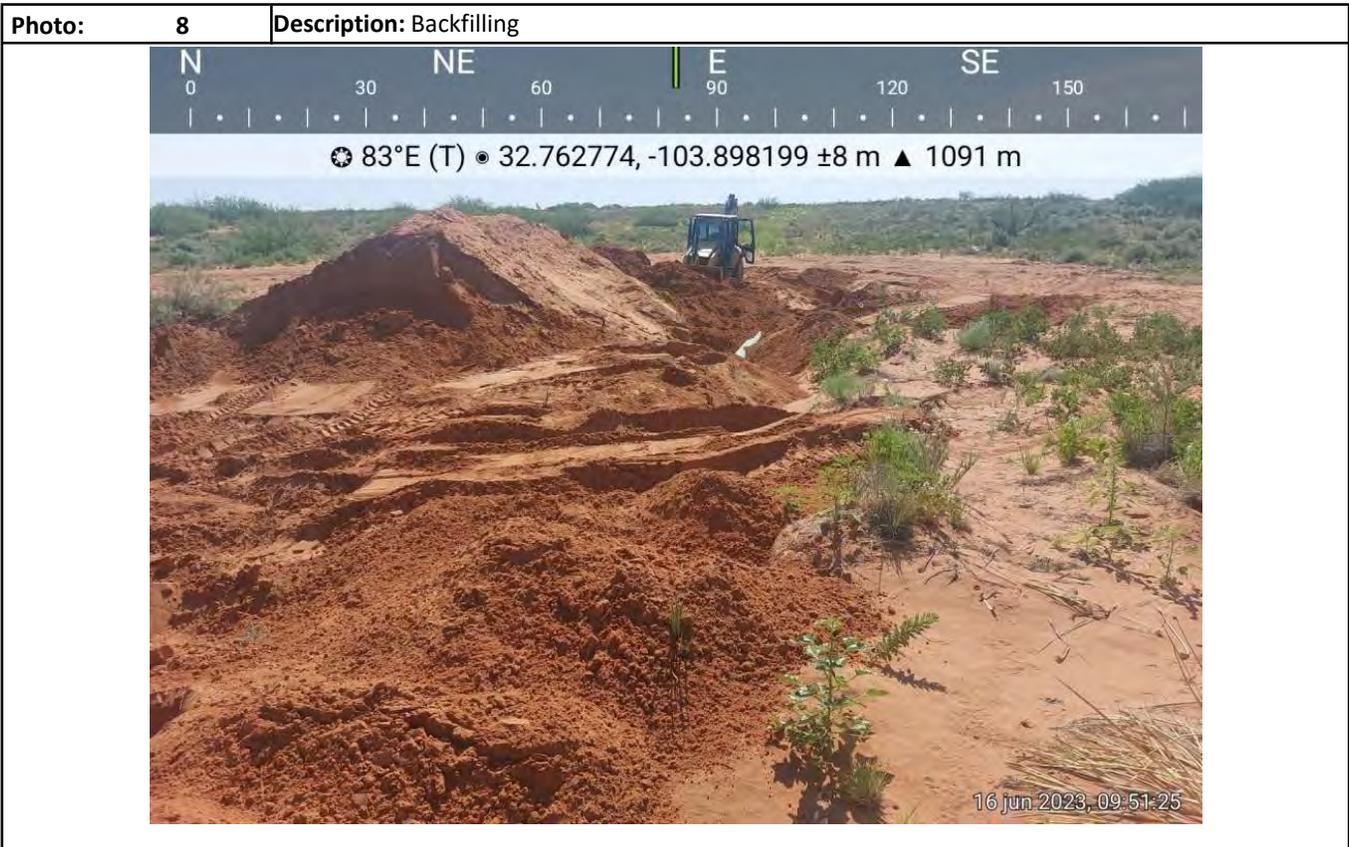
Photographs



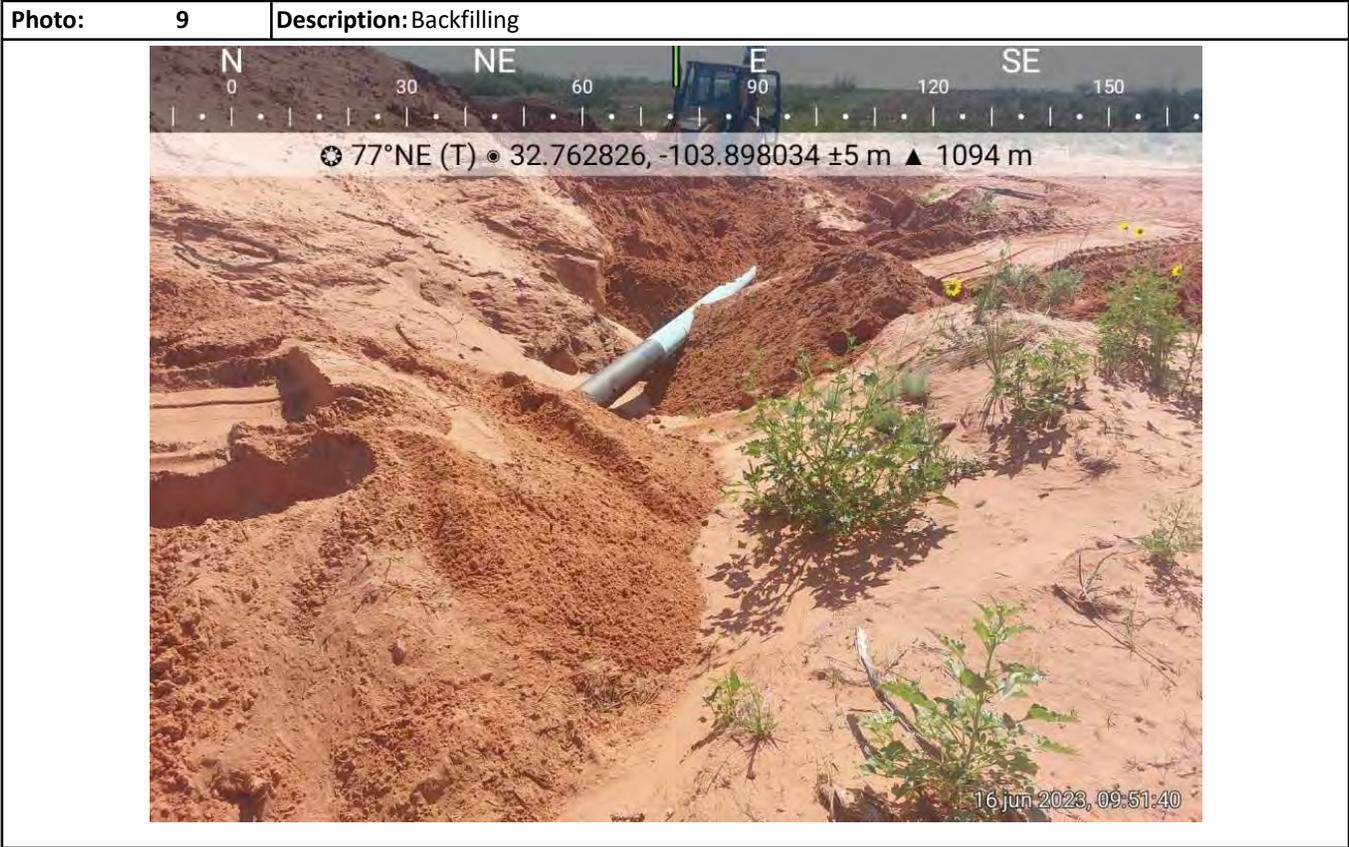
Photographs



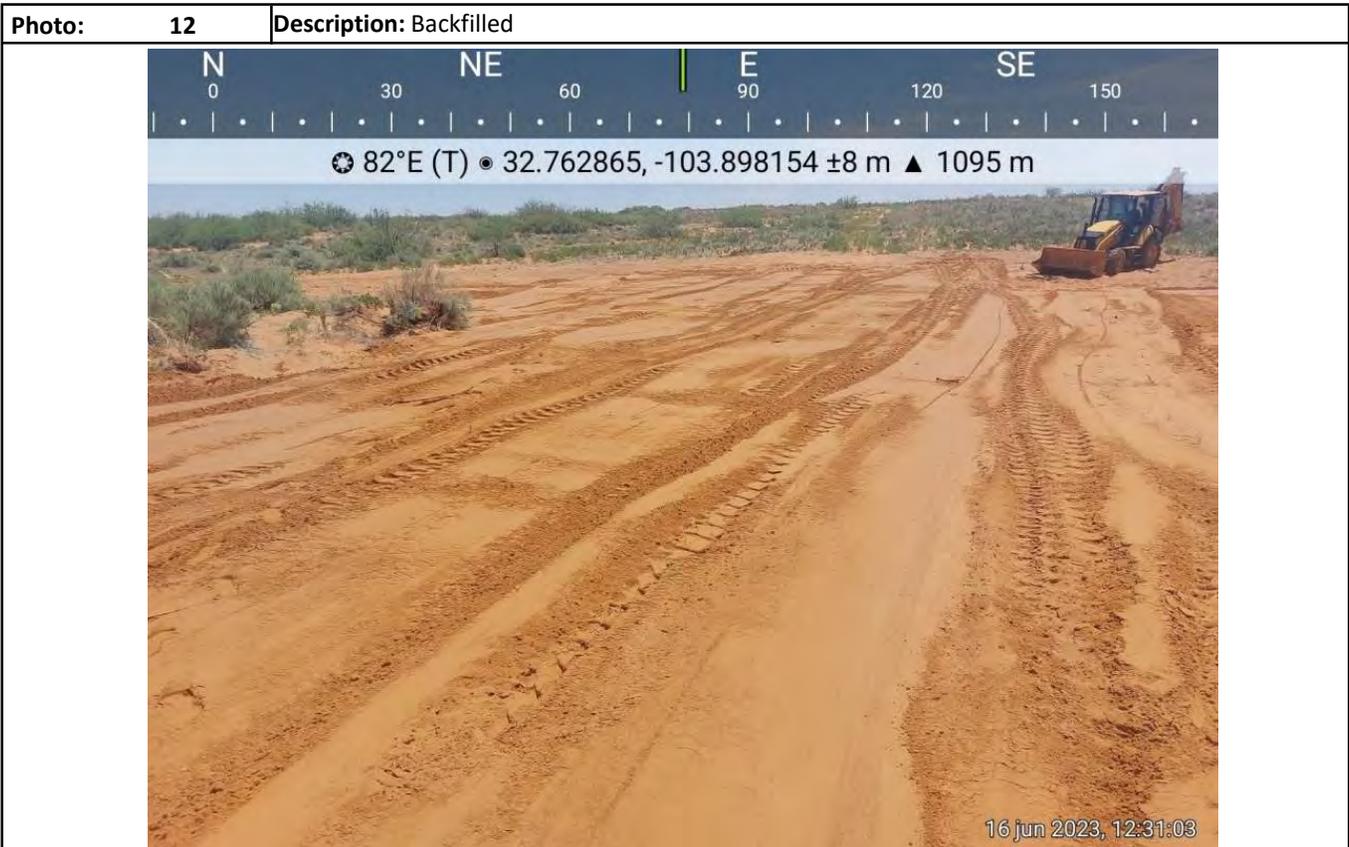
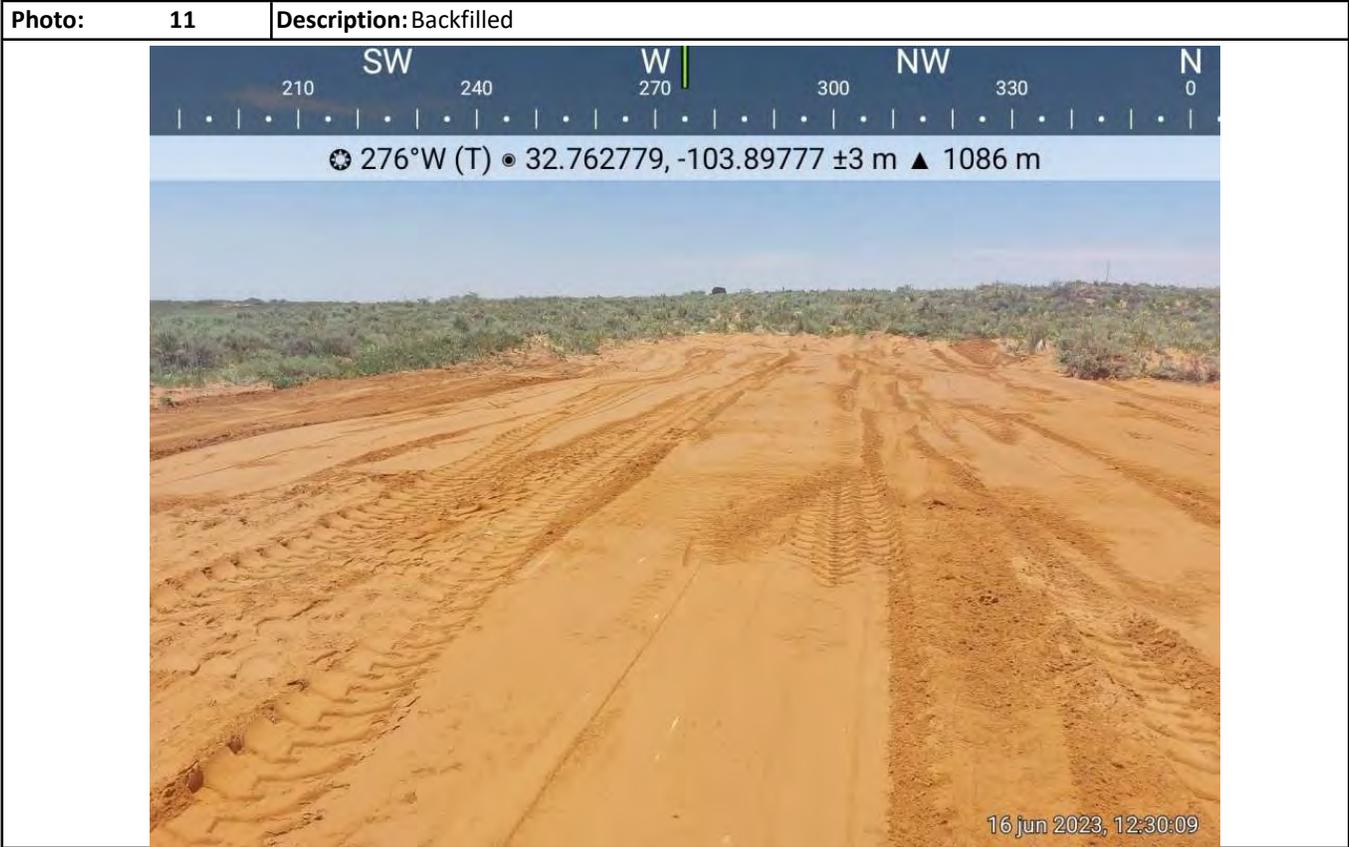
Photographs



Photographs



Photographs



Attachment IV

Depth to Groundwater



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

No wells found.

UTMNA83 Radius Search (in meters):

Easting (X): 603230.19

Northing (Y): 3625533.42

Radius: 805

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

6/28/23 2:04 PM

WELLS WITH WELL LOG INFORMATION

Attachment V Field Data

Attachment VI

Laboratory Analytical Reports



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

May 31, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CEDAR BREAKS 12" (3)

Enclosed are the results of analyses for samples received by the laboratory on 05/25/23 14:10.

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 style with a large, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 1 - SURF (H232672-01)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 1 - 1' (H232672-02)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2023	ND	206	103	200	0.931	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	212	106	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 2 - SURF (H232672-03)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 2 - 1' (H232672-04)

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	05/25/2023	ND	2.06	103	2.00	3.82		
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17		
Total BTEX	<0.300	0.300	05/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184		
DRO >C10-C28*	43.8	10.0	05/25/2023	ND	189	94.4	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND						

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 3 - SURF (H232672-05)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 3 - 1' (H232672-06)

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	05/25/2023	ND	2.06	103	2.00	3.82		
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17		
Total BTEX	<0.300	0.300	05/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184		
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND						

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 4 - SURF (H232672-07)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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
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 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: HZ 4 - 1' (H232672-08)

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	05/25/2023	ND	2.06	103	2.00	3.82		
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17		
Total BTEX	<0.300	0.300	05/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184		
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SP 1 - SURF (H232672-09)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	49.4	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	10.7	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Analytical Results For:

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

Received:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SP 1 - 5' (H232672-10)

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	05/25/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/25/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SP 2 - SURF (H232672-11)

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	05/26/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/26/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	299	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	64.6	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SP 2 - 4' (H232672-12)

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	05/26/2023	ND	2.06	103	2.00	3.82	
Toluene*	<0.050	0.050	05/26/2023	ND	2.09	105	2.00	5.06	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.17	109	2.00	4.68	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.39	106	6.00	5.17	
Total BTEX	<0.300	0.300	05/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	214	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	52.3	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SP 3 - SURF (H232672-13)

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	05/25/2023	ND	2.21	110	2.00	2.00	
Toluene*	<0.050	0.050	05/25/2023	ND	2.19	110	2.00	3.16	
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.12	106	2.00	2.33	
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	05/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184	
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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:	05/25/2023	Sampling Date:	05/24/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SP 3 - 7' (H232672-14)

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	05/25/2023	ND	2.21	110	2.00	2.00		
Toluene*	<0.050	0.050	05/25/2023	ND	2.19	110	2.00	3.16		
Ethylbenzene*	<0.050	0.050	05/25/2023	ND	2.12	106	2.00	2.33		
Total Xylenes*	<0.150	0.150	05/25/2023	ND	6.46	108	6.00	2.37		
Total BTEX	<0.300	0.300	05/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/26/2023	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	05/25/2023	ND	196	97.8	200	0.184		
DRO >C10-C28*	<10.0	10.0	05/25/2023	ND	189	94.4	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	05/25/2023	ND						

Surrogate: 1-Chlorooctane 104 % 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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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Daniel Dominguez		Company: Frontier Field Services, LLC					
Address: PO Box 1058		Attn: Lupe Carrasco					
City: Hobbs		Address: 47 Conoco Rd					
State: NM		City: Maljamar					
Zip: 88241		State: NM					
Phone #: 575 393-3386		Zip: 88264					
Fax #: [blank]		Phone #: 575-703-7992					
Project #: [blank]		Fax #: [blank]					
Project Name: Cedar Breaks 12" (3)							
Project Location: UL/E Sec 8 T18S - R31E							
Sampler Name: Chris Alvarez							

Lab I.D.	Sample I.D.	(G)RAB OR (C)COMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HZ321072			1			X			5/24/23		X	X	X	
	HZ1-Surf		1			X			5/24/23		X	X	X	
	HZ1-1'		1			X			5/24/23		X	X	X	
	HZ2-Surf		1			X			5/24/23		X	X	X	
	HZ2-1'		1			X			5/24/23		X	X	X	
	HZ3-Surf		1			X			5/24/23		X	X	X	
	HZ3-1'		1			X			5/24/23		X	X	X	
	HZ4-Surf		1			X			5/24/23		X	X	X	
	HZ4-1'		1			X			5/24/23		X	X	X	

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Relinquished By: [Signature]	Date: 5/25/23	Received By: [Signature]	Date: 5/25/23
Relinquished By: [Signature]	Time: 1410	Received By: [Signature]	Time: [blank]

Delivered By: (Circle One)	-0.1: UPS	-0.0: Other	-0.2: #113	Sample Condition	Checked By: [Signature]
				Cool Intact	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

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



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

June 09, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CEDAR BREAKS 12" (3)

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

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

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:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 1 (H232867-01)

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

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

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

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

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 2 (H232867-02)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	448	112	400	0.00	

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

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 3 (H232867-03)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 4 (H232867-04)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 5 (H232867-05)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 6 (H232867-06)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 7 (H232867-07)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 8 (H232867-08)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 9 (H232867-09)

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

Surrogate: 4-Bromofluorobenzene (PID) 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	06/07/2023	ND	432	108	400	0.00	

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

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 10 (H232867-10)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 11 (H232867-11)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 12 (H232867-12)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	36.4	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 13 (H232867-13)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 14 (H232867-14)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 15 (H232867-15)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	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	48.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 16 (H232867-16)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	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	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 17 (H232867-17)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 18 (H232867-18)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 19 (H232867-19)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 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:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 20 (H232867-20)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	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	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 21 (H232867-21)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 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:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 22 (H232867-22)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 23 (H232867-23)

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	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	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	16.0	16.0	06/07/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 1 (H232867-24)

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	06/07/2023	ND	2.09	105	2.00	5.05		
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84		
Total BTEX	<0.300	0.300	06/07/2023	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	06/07/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23		
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42		
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 2 (H232867-25)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 3 (H232867-26)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 4 (H232867-27)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/07/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 5 (H232867-28)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	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	06/07/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Analytical Results For:

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

Received:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 6 (H232867-29)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.09	105	2.00	5.05	
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/07/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	204	102	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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:	06/06/2023	Sampling Date:	06/06/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: SW 7 (H232867-30)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/07/2023	ND	2.09	105	2.00	5.05		
Toluene*	<0.050	0.050	06/07/2023	ND	2.12	106	2.00	6.22		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.04	102	2.00	5.56		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.31	105	6.00	5.84		
Total BTEX	<0.300	0.300	06/07/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/07/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	197	98.4	200	1.09		
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	184	92.1	200	4.66		
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name:	Hungry/Horse LLC	P.O. #:	
Project Manager:	Daniel Dominguez	Company:	Frontier Field Services, LLC
Address:	PO Box 1058	Attn:	Lupe Carrasco
City:	Hobbs	State:	NM
Phone #:	575 393-3386	Fax #:	
Project #:		Project Owner:	Frontier Field Services, LLC
Project Name:	Cedar Breaks 12" (3)	City:	Maljamar
Project Location:	UL/E Sec 8 T18S - R31E	State:	NM
Sampler Name:	Bradley Wells	Phone #:	575-703-7992
		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H032867			1	X							6/6/23		X	X	X	
	1	C	1	X							6/6/23		X	X	X	
	2	C	1	X							6/6/23		X	X	X	
	3	C	1	X							6/6/23		X	X	X	
	4	C	1	X							6/6/23		X	X	X	
	5	C	1	X							6/6/23		X	X	X	
	6	C	1	X							6/6/23		X	X	X	
	7	C	1	X							6/6/23		X	X	X	
	8	C	1	X							6/6/23		X	X	X	
	9	C	1	X							6/6/23		X	X	X	
	10	C	1	X							6/6/23		X	X	X	

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

Relinquished By:	Date:	Received By:	Date:
<i>[Signature]</i>	6/6/23	<i>[Signature]</i>	6/6/23
Relinquished By:	Time:	Received By:	Time:
<i>[Signature]</i>	1400	<i>[Signature]</i>	

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

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

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: Frontier Field Services, LLC
 Project Name: Cedar Breaks 12" (3)
 Project Location: U/E Sec 8 T18S - R31E
 Sampler Name: Bradley Wells
 P.O. #:
 Company: Frontier Field Services, LLC
 Attn: Lupe Carrasco
 Address: 47 Conoco Rd
 City: Maljamar
 State: NM Zip: 88264
 Phone #: 575-703-7992
 Fax #:
 PRESERV. SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H232867	FL11	C	1	X						6/6/23		X	X	X	
	FL12	C	1	X						6/6/23		X	X	X	
	FL13	C	1	X						6/6/23		X	X	X	
	FL14	C	1	X						6/6/23		X	X	X	
	FL15	C	1	X						6/6/23		X	X	X	
	FL16	C	1	X						6/6/23		X	X	X	
	FL17	C	1	X						6/6/23		X	X	X	
	FL18	C	1	X						6/6/23		X	X	X	
	FL19	C	1	X						6/6/23		X	X	X	
	FL20	C	1	X						6/6/23		X	X	X	

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Relinquished By: *[Signature]* Date: 6-6-23 Time: 1400
 Received By: *[Signature]*
 Relinquished By: *[Signature]* Date:
 Received By: *[Signature]*
 Delivered By: (Circle One) Sample Condition Intact Cool Yes No
 Checked By: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:
 Email results to: pm@hungry-horse.com
 gcarrasco@durangomidstream.com

Sampler - UPS - Bus - Other: 575-575-575
 + Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Daniel Dominguez		Address: PO Box 1058		Company: Frontier Field Services, LLC			
City: Hobbs		State: NM		Attn: Lupe Carrasco			
Phone #: 575 393-3386		Fax #:		Address: 47 Conoco Rd			
Project #:		Project Owner: Frontier Field Services, LLC		City: Maljamar			
Project Name: Cedar Breaks 12" (3)		State: NM		Zip: 88264			
Project Location: U/E Sec 8 T18S - R31E		Phone #: 575-703-7992		Fax #:			
Sampler Name: Bradley Wells		FOR-LAB USE ONLY		PRESERV.		SAMPLING	
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX	
						GROUNDWATER	
H232817		21		FL21		SOIL	
						OIL	
		22		FL22		OTHER :	
						ACID/BASE:	
		23		FL23		OTHER :	
		24		SW1		DATE	
						TIME	
		25		SW2		Chloride	
						TPH	
		26		SW3		X	
						X	
		27		SW4		X	
						X	
		28		SW5		X	
						X	
		29		SW6		X	
						X	
		30		SW7		X	
						X	

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Relinquished By: *[Signature]* Date: 6-16-23
 Received By: *[Signature]* Date: 6/16/23
 Time: 1400

Delivered By: (Circle One) UPS Bus Other: *575e/575e*

Sample Condition: Intact Cool Yes No

CHECKED BY: *[Signature]* (Initials) *AVP*

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

June 15, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CEDAR BREAKS 12" (3)

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 16:27.

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:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS 12" (3)	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 8 T18S - R31E		

Sample ID: FL 5b (H233072-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1		
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5		
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6		
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5		
Total BTEX	<0.300	0.300	06/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	200	100	200	5.53		
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33		
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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.
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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC Project Manager: Daniel Dominguez Address: PO Box 1058 City: Hobbs State: NM Zip: 88241 Phone #: 575 393-3386 Fax #: Project #: Project Owner: Frontier Field Services, LLC Project Name: Cedar Breaks 12" (3) Project Location: UL/ E Sec 8 T18S - R31E Sampler Name: Bradley Wells <small>FOR LAB USE ONLY</small>		P.O. #: Company: Frontier Field Services, LLC Attn: Lupe Carrasco Address: 47 Conocco Rd City: Mallamar State: NM Zip: 88264 Phone #: 575-703-7992 Fax #:	
Lab I.D. H233072 1 FL5b		Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS: 1 GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
RECEIVED BY: <i>[Signature]</i> DATE: 6/19/23 TIME: 1:25		CHECKED BY: <i>[Signature]</i> DATE: 6/19/23 TIME:	
RELINQUISHED BY: <i>[Signature]</i> DATE: 6/19/23 TIME:		RECEIVED BY: <i>[Signature]</i> DATE: 6/14/23 TIME:	
DELIVERED BY: (Circle One) Sampler - UPS - Bus - Other: <i>2.84/2.2i</i>		SAMPLE CONDITION Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
REMARKS: Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com Rush! 24hr		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: RUSHI	

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	nAPP2301030161
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 32.76288 Longitude -103.89789
(NAD 83 in decimal degrees to 5 decimal places)

Site Name 12" Cedar Breaks Steel Pipeline	Site Type Pipeline
Date Release Discovered 01/07/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	8	18S	31E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 8.91	Volume Recovered (bbls) 3
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 17.86	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
External & Internal corrosion on bottom of pipeline.

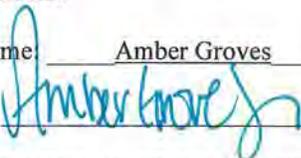
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2301030161
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>1/10/2023</u>
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>
<u>OCD Only</u> Received by: _____ Date: _____	



Gas Volume Release Report

Gas Release Volume Calculator		
Date:	1/7/2023	
Site or Line Name:	12" Cedar Breaks Steel Line	
Area of hole in pipe:	0.25	square inches
Absolute Pressure:	27.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Temperature:	50	Degrees F
Absolute Pressure:	27.7	psia (Gauge Pressure + 14.7)
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 - SCF	17.86	MSCF
Notes		
Entered by user		
Calculated Value		
Constant		



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	1/7/2023						
Site or Line Name:	12' Cedar Breaks Steel Line						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25	20	20	0.5	200	8.91	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravelly Sand	0.26				0	0.00	Gravelly Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X				0	0.00	Standing Liquids

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

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

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

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

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

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

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

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

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

CONDITIONS

Action 235004

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 235004
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/28/2023