



Remediation Summary and Closure Request

**Frontier Field Services, LLC
12" Caprock Low Pressure Line
Lea County, New Mexico
Unit Letter "O", Section 14, Township 17 South, Range 32 East
Latitude 32.828804 North, Longitude 103.736813 West
NMOCD Incident # nAPP2222037147**

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

February 2023

Bradley Wells

Bradley Wells
Project Manager
bwells@hungry-horse.com

Daniel Dominguez

Daniel Dominguez
Environmental Manager
ddominguez@hungry-horse.com

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Incident ID	nAPP2222037147
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.

Oil Conservation Division

Incident ID	nAPP2222037147
District RP	
Facility ID	
Application ID	

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

Printed Name: Amber Groves Title: Sr. Environmental Specialist

Signature:  Date: 2/10/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

Incident ID	nAPP2222037147
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Application ID	

Remediation Plan

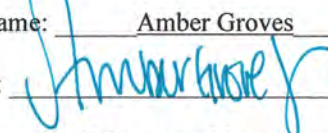
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Amber Groves Title: Sr. Environmental Specialist
Signature:  Date: 2/10/2023
email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

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

Signature: _____ Date: _____

Incident ID	nAPP2222037147
District RP	
Facility ID	
Application ID	

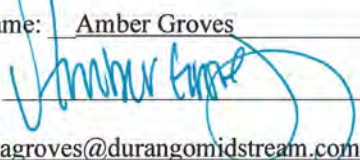
Closure

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

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

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

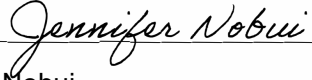
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public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

Printed Name: Amber Groves Title: Sr. Environmental Specialist
Signature:  Date: 2/10/2023
email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 02/14/2023

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

Closure Approved by:  Date: 02/23/2023
Printed Name: Jennifer Nobui Title: Environmental Specialist A



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 O (SW/SE), Section 14, Township 17 South, Range 32 East, approximately 2.5 miles Southeast of Maljamar, in Lea County, New Mexico. The property is privately owned. 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 32.828804 North, Longitude 103.736813 West. The Initial NMOCD Form C-141 indicated that on August 8, 2022 approximately 10.27 bbls of condensate and 25.79 Mcf of natural gas were released due to internal corrosion on the pipeline. A crew was dispatched to the release site and the line was repaired. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

NMOCD Site Classification:

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

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

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



Delineation and Remediation Activities:

On August 22, 2022 Hungry Horse personnel performed an initial site assessment consisting of photographing and mapping the release area and excavation. On August 25, 2022, Hungry Horse personnel conducted a series of sampling events. During the sampling events, hand augered soil bores were advanced in the release area and floor of the excavated area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, hand augered soil bores were advanced along the outside edges of the release area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the soil bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hanna instruments® DiST® 4 EC tester and/or 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, HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 at Surface, SP2 at Surface, and SP3 at Surface, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

From August 29 through September 6, 2022, the release area was excavated. The area characterized by sample location SP1 was excavated to a depth of approximately seven feet bgs. The areas characterized by sample locations SP2 and SP3 were excavated to a depth of approximately five feet bgs. Soil impacted above the NMOCD Closure Criteria was excavated and stockpiled on site, atop plastic, before transport to an NMOCD approved disposal facility.

On September 6, 2022, nine 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 FL6 and SW1 through SW3, 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 FL1 through FL6, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

On September 20, 2022, the areas in excess of NMOCD Closure Criteria were excavated and resampled. Soil samples FL1b through FL6b 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 FL1b, FL2b, and FL5b, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.



On September 28, 2022, the areas in excess of NMOCD Closure Criteria were excavated and resampled. Soil samples FL1c, FL2c, and FL5c were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The excavated area measured approximately thirty-eight feet in length, thirty-four feet in width, and five and a half to eight feet in depth. During remediation activities approximately 396 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility. Manifests can be provided upon request.

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.

On October 28, 2022, the NMOCD was contacted and a ninety-day extension was requested while Frontier awaited landowner approval to backfill. On October 28, 2022, the NMOCD approved the ninety-day extension.

On January 10, 2023, Frontier Field Services personnel, at the request of the landowner, replaced the section of pipeline that had leaked. From January 31 to February 1, 2023, the excavated area was then backfilled with locally sourced, clean, non-impacted topsoil. Approximately 396 cubic yards of clean soil was utilized to complete backfill activities.

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 12" Caprock Low Pressure Line location, nAPP2222037147.



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

Shirla Kay Bayer

253 County Road 535

Meadow, TX 79345

Figures

**Figure 1**

Topographic Map
 Frontier Field Services, LLC
 12" Caprock Low Pressure Line
 GPS: 32.82881, -103.73685
 Lea County

Legend:

- 12" Caprock Low Pressure Line Location

Drafted: dd
 Checked: bw
 Date: 8/22/22



**Figure 2**

OSE POD Locations Map
Frontier Field Services, LLC
12" Caprock Low Pressure Line
GPS: 32.82881, -103.73685
Lea County

Legend:

- 12" Caprock Low Pressure Line Location

Drafted: dd
Checked: bw
Date: 8/22/22



**Figure 3**

USGS Well Locations Map
Frontier Field Services, LLC
12" Caprock Low Pressure Line
GPS: 32.82881, -103.73685
Lea County

Legend:

- 12" Caprock Low Pressure Line Location



Drafted: dd
Checked: bw
Date: 8/22/22



**Figure 4**

Delineation Sample Map
Frontier Field Services, LLC
12" Caprock Low Pressure Line
GPS: 32.82881, -103.73685
Lea County

Legend:

-  Release Area
 Delineation Sample Location

Drafted: dd
Checked: bw
Date: 8/23/22



**Figure 5**

Excavation Sample Map
Frontier Field Services, LLC
12" Caprock Low Pressure Line
GPS: 32.82881, -103.73685
Lea County

Legend:

- Excavated Area
 FL1 Composite Confirmation Sample Location

Drafted: dd
Checked: bw
Date: 9/28/22



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
12" Caprock Low Pressure Line
NMOCD Ref. #: nAPP2222037147

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	8/25/22	Surf	Excavated	<0.050	33.6	397	7,760	8,157	1,540	9,697	496.0
	8/25/22	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP2	8/25/22	Surf	Excavated	<0.050	31.3	828	24,400	25,228	5,280	30,508	32.0
	8/25/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP3	8/25/22	Surf	Excavated	<0.050	35.6	414	16,300	16,714	4,880	21,594	320.0
	8/25/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ1	8/25/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/25/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ2	8/25/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/25/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	8/25/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/25/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	8/25/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/25/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL1	9/6/22	7	Excavated	<0.050	<0.300	<10.0	135	135	14.0	149	<16.0
FL1b	9/20/22	7.5	Excavated	<0.050	<0.300	<10.0	136	136	17.0	153	<16.0
FL1c	9/28/22	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL2	9/6/22	7	Excavated	<0.050	<0.300	15.1	268	283.1	33.0	316.1	16.0
FL2b	9/20/22	7.5	Excavated	<0.050	<0.300	<10.0	649	649	113.0	762	<16.0
FL2c	9/28/22	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	9/6/22	5	Excavated	<0.050	<0.300	<10.0	116	116	12.9	128.9	32.0
FL3b	9/20/22	5.5	In-Situ	<0.050	<0.300	<10.0	29.1	29.1	10.7	39.8	16.0
FL4	9/6/22	5	Excavated	<0.050	3.16	143	1,590	1,733	224	1,957	64.0
FL4b	9/20/22	5.5	In-Situ	<0.050	<0.300	<10.0	53.9	53.9	<10.0	53.9	16.0
FL5	9/6/22	5	Excavated	<0.050	<0.300	<10.0	126	126	12.2	138.2	32.0
FL5b	9/20/22	5.5	Excavated	<0.050	<0.300	<10.0	101	101	17.6	118.6	16.0
FL5c	9/28/22	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL6	9/6/22	5	Excavated	<0.050	0.453	25.3	496	521.3	70.3	591.6	16.0
FL6b	9/20/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW1	9/6/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	9/6/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW3	9/6/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

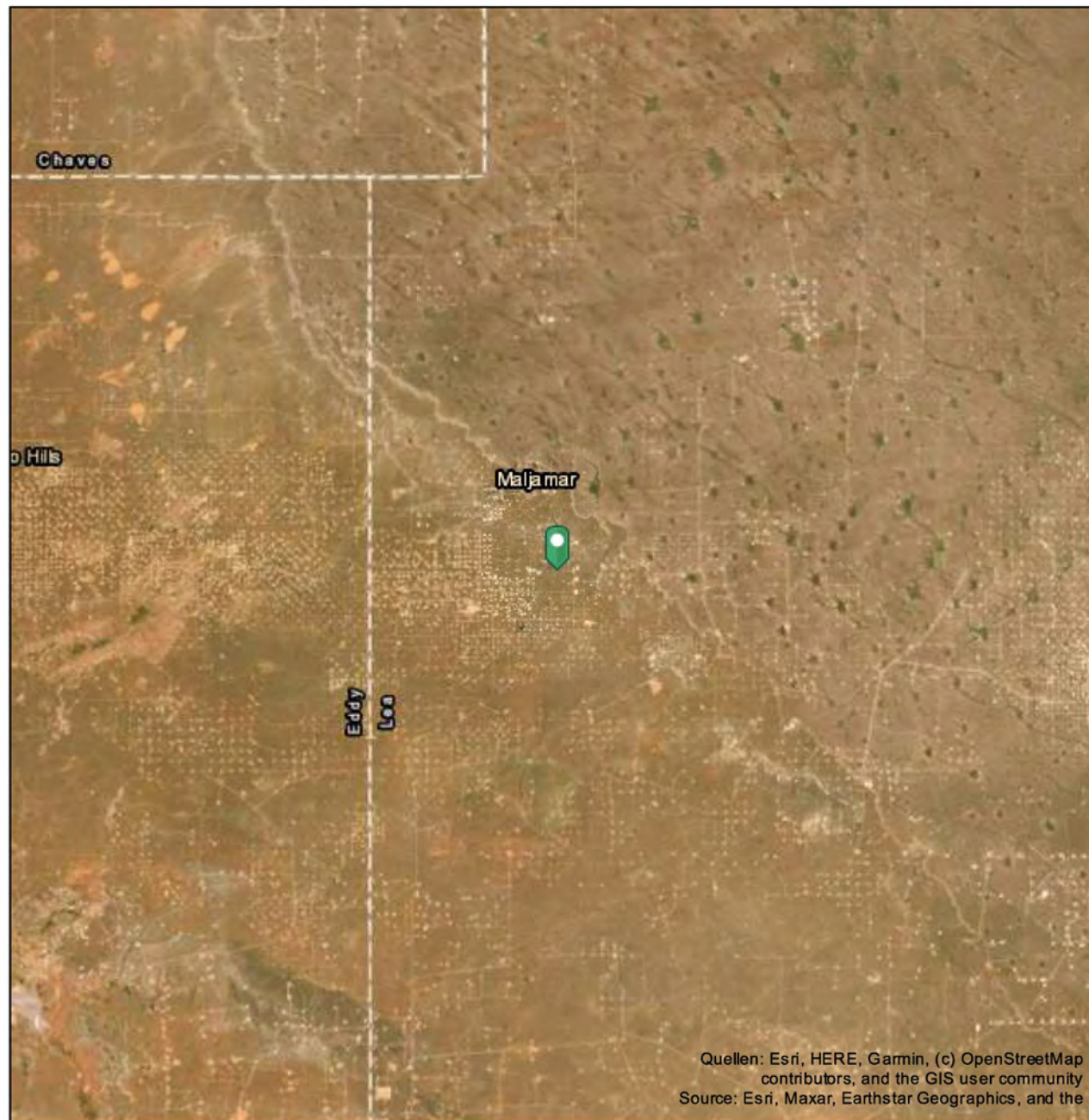
NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps



12" Caprock Low Pressure Line

Karst springs

Spring with low flow discharge $\geq 2 \text{ m}^3/\text{s}$

Spring with low flow discharge $< 2 \text{ m}^3/\text{s}$

Submarine spring

Thermal spring

Water abstraction structure in karst aquifer

Cave systems

Border between exposed and non-exposed karstifiable rocks

Selected city, partly dependent on groundwater

Boundary of continuous permafrost

Continuous ice sheet

Karstifiable rocks (potential karst aquifer)

Continuous carbonate rocks

Discontinuous carbonate rocks

Continuous evaporite rocks

Discontinuous evaporite rocks

Mixed carbonate and evaporite rocks



12" Caprock Low Pressure Line



September 9, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Attachment II

NMOCD Correspondence

Daniel Dominguez

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Friday, September 16, 2022 9:02 AM
To: Daniel Dominguez
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [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.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Friday, September 16, 2022 8:38 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: Fw: [EXTERNAL] Closure Samples

From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Friday, September 16, 2022 6:45 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
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 12" Caprock (nAPP2222037147) on Tuesday, September 20, 2022 at 7 am. This is our 48 hour notice.

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

Daniel Dominguez

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, September 26, 2022 9:31 AM
To: Daniel Dominguez
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [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.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, September 26, 2022 8:21 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] Closure Samples

From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Monday, September 26, 2022 7:05 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 12" Caprock (nAPP2222037147) on Wednesday, September 28, 2022 at 7 am.

This is our 48 hour notice.

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

Daniel Dominguez

From: Amber Groves <AGroves@durangomidstream.com>
Sent: Friday, October 28, 2022 9:08 AM
To: Daniel Dominguez; Chad Frost
Subject: FW: [EXTERNAL] nAPP2222037147 Frontier 12" Caprock Extension Request

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrn.dnm.gov>
Sent: Friday, October 28, 2022 9:01 AM
To: Amber Groves <AGroves@durangomidstream.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.dnm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrn.dnm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.dnm.gov>
Subject: RE: [EXTERNAL] nAPP2222037147 Frontier 12" Caprock Extension Request

Amber

OCD approves your request for a 90-day extension to February 2, 2023 to submit a remediation plan/closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Amber Groves <AGroves@durangomidstream.com>
Sent: Friday, October 28, 2022 8:46 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrn.dnm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.dnm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrn.dnm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrn.dnm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.dnm.gov>; Billings, Bradford, EMNRD <Bradford.Billings@emnrn.dnm.gov>; Chad Frost <Cfrost@durangomidstream.com>; Daniel Dominguez <ddominguez@hungry-horse.com>
Subject: [EXTERNAL] nAPP2222037147 Frontier 12" Caprock 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 nAPP2222037147 12" Caprock. The release area has been excavated and all samples are below current NMOCD guidelines, however we are waiting on landowner approval to backfill. Please feel free to give me a call should you have any questions.

Thank you,

Amber Groves | Sr. Environmental Specialist
Mobile 575.703.7992



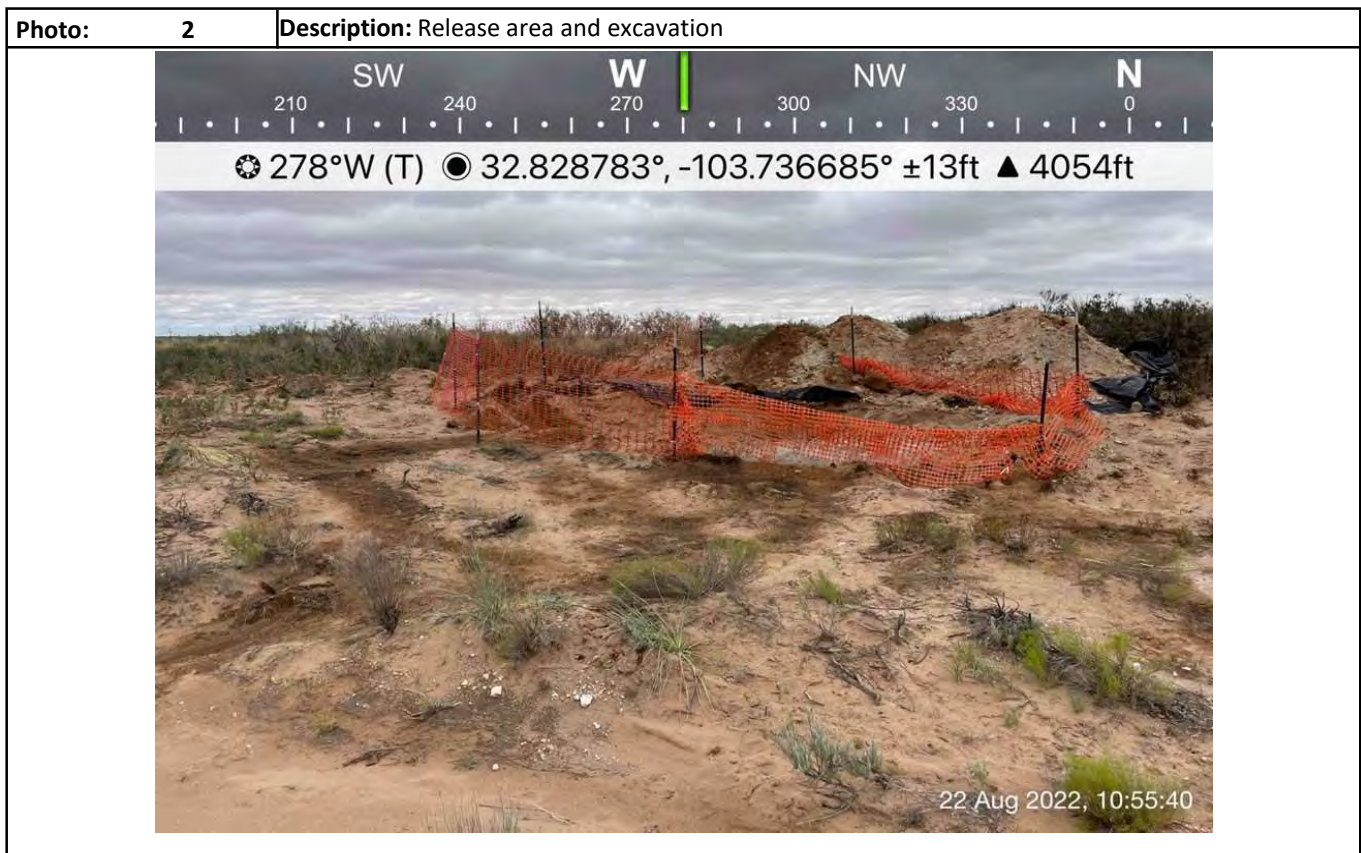
<https://www.durangomidstream.com/agroves@durangomidstream.com>

CONFIDENTIALITY NOTICE:

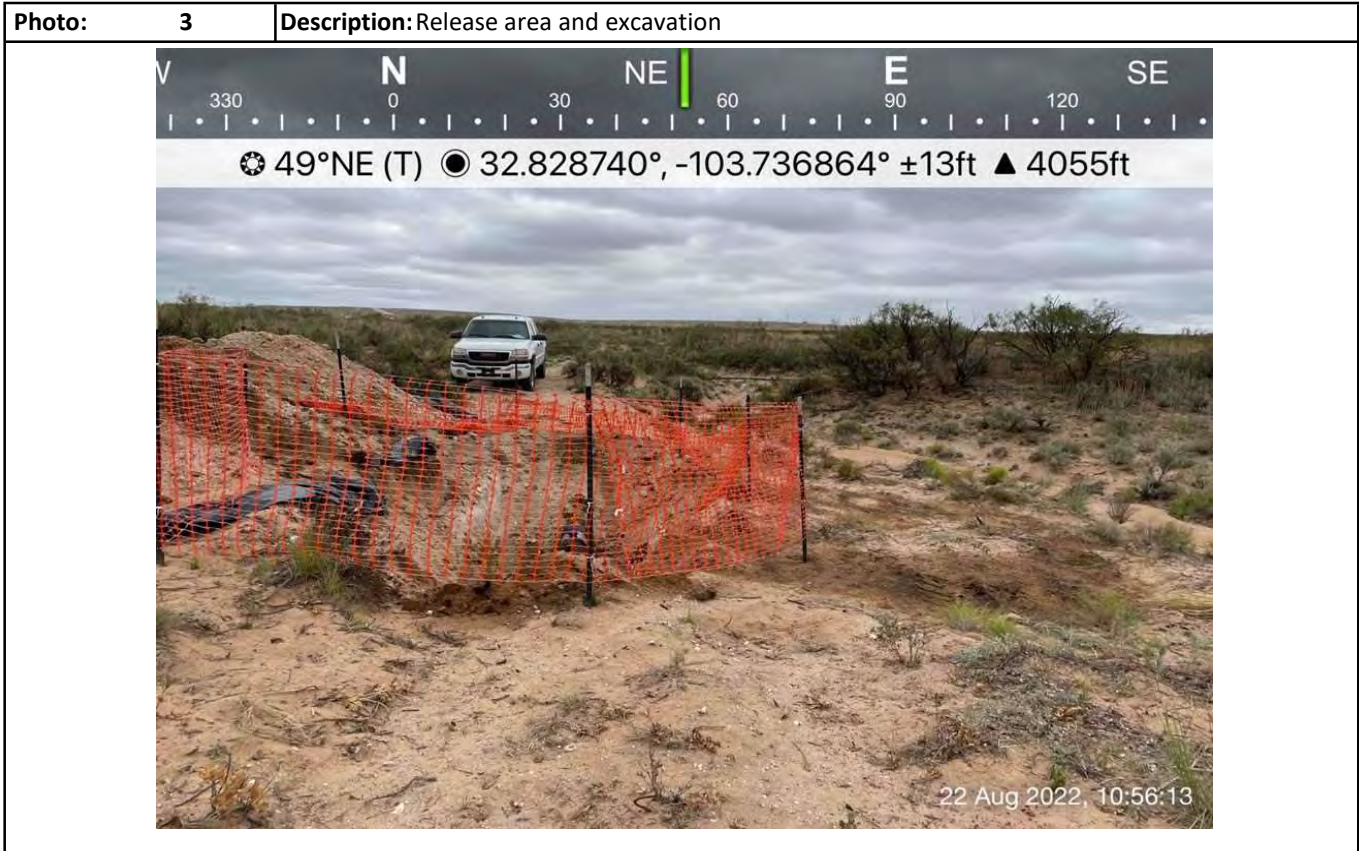
This email, including attachments, may include confidential and/or proprietary information, and may be used only by the person or entity to which it is addressed. Please do not read, copy or disseminate this communication unless you are the intended addressee. If you have received this communication 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.

Attachment III Site Photographs

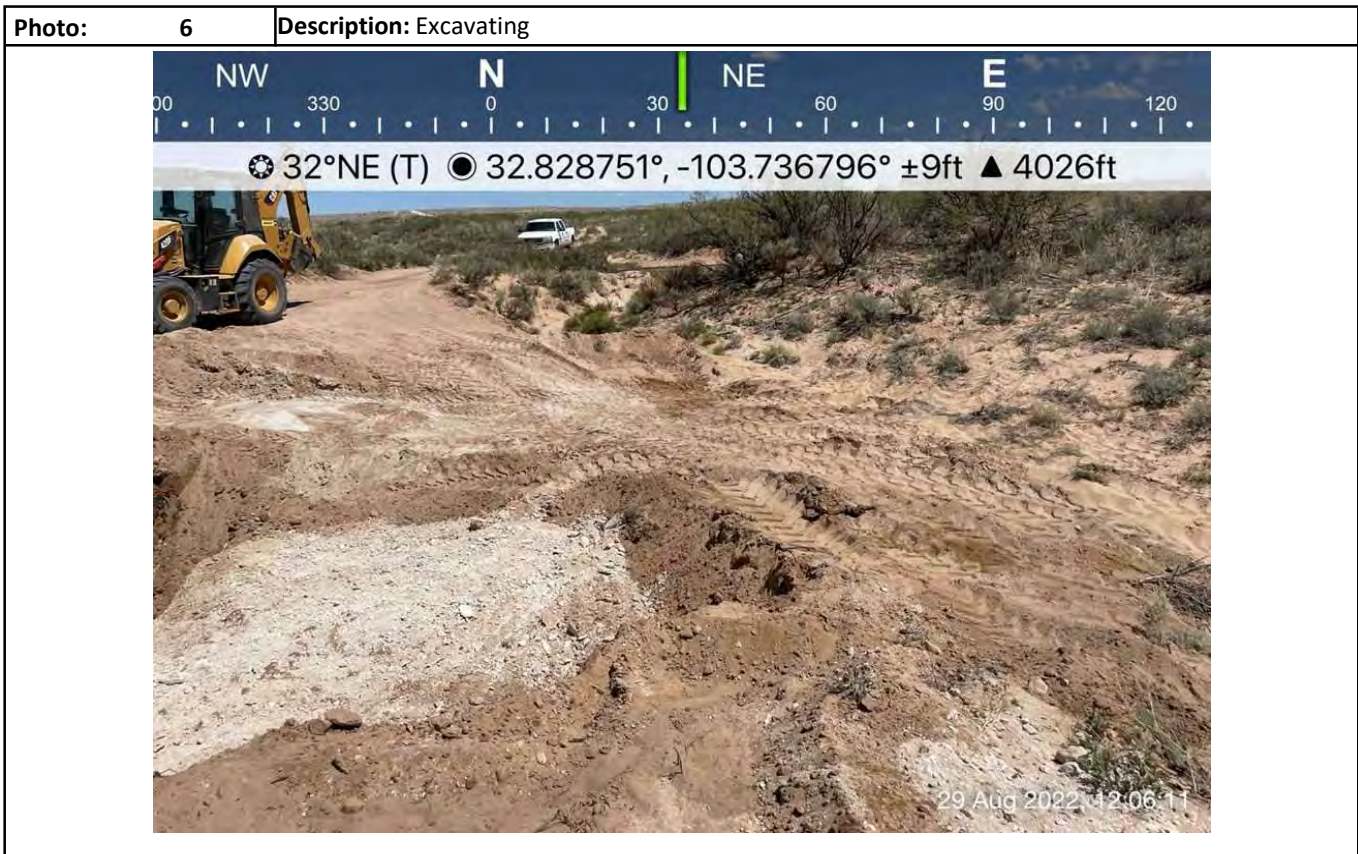
Photographs



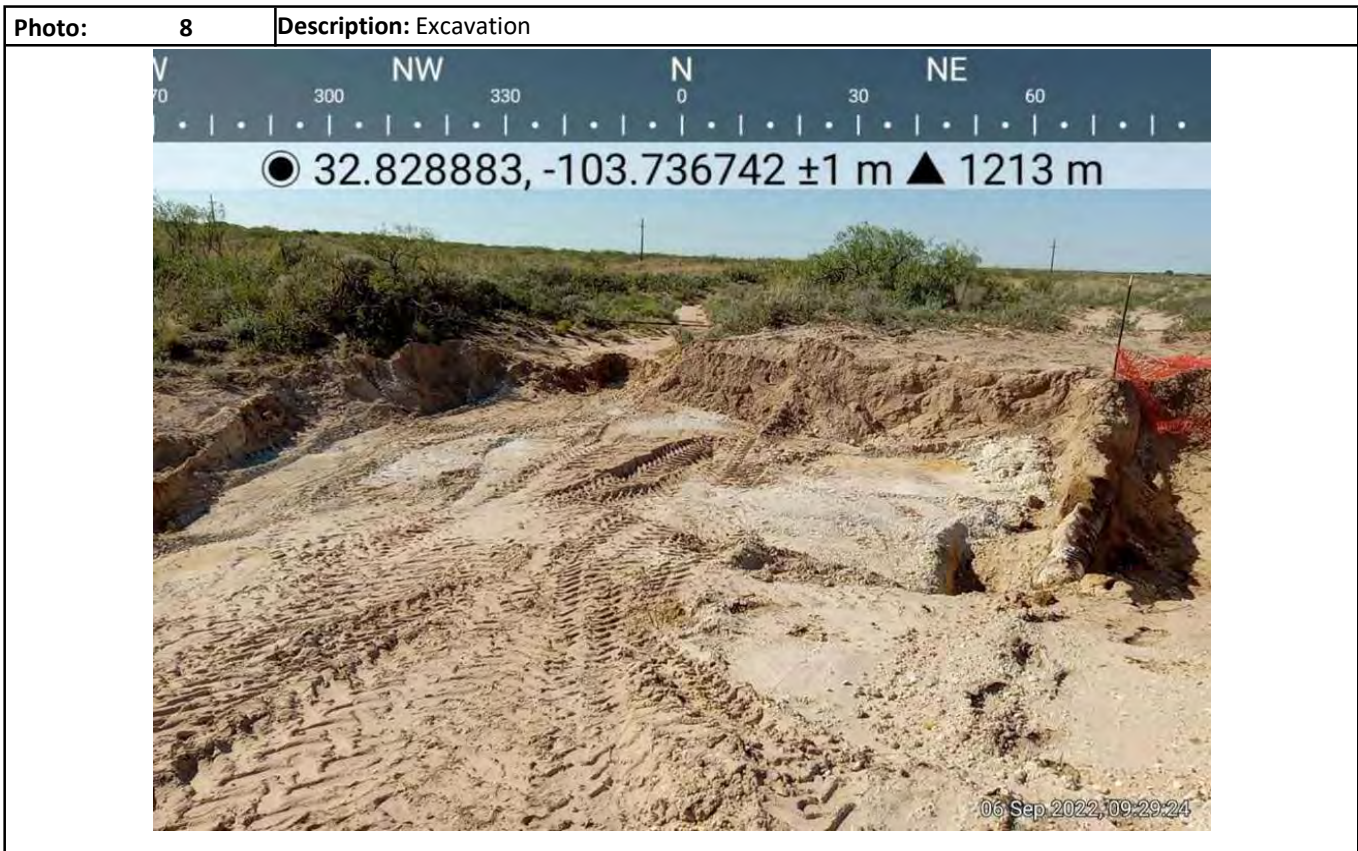
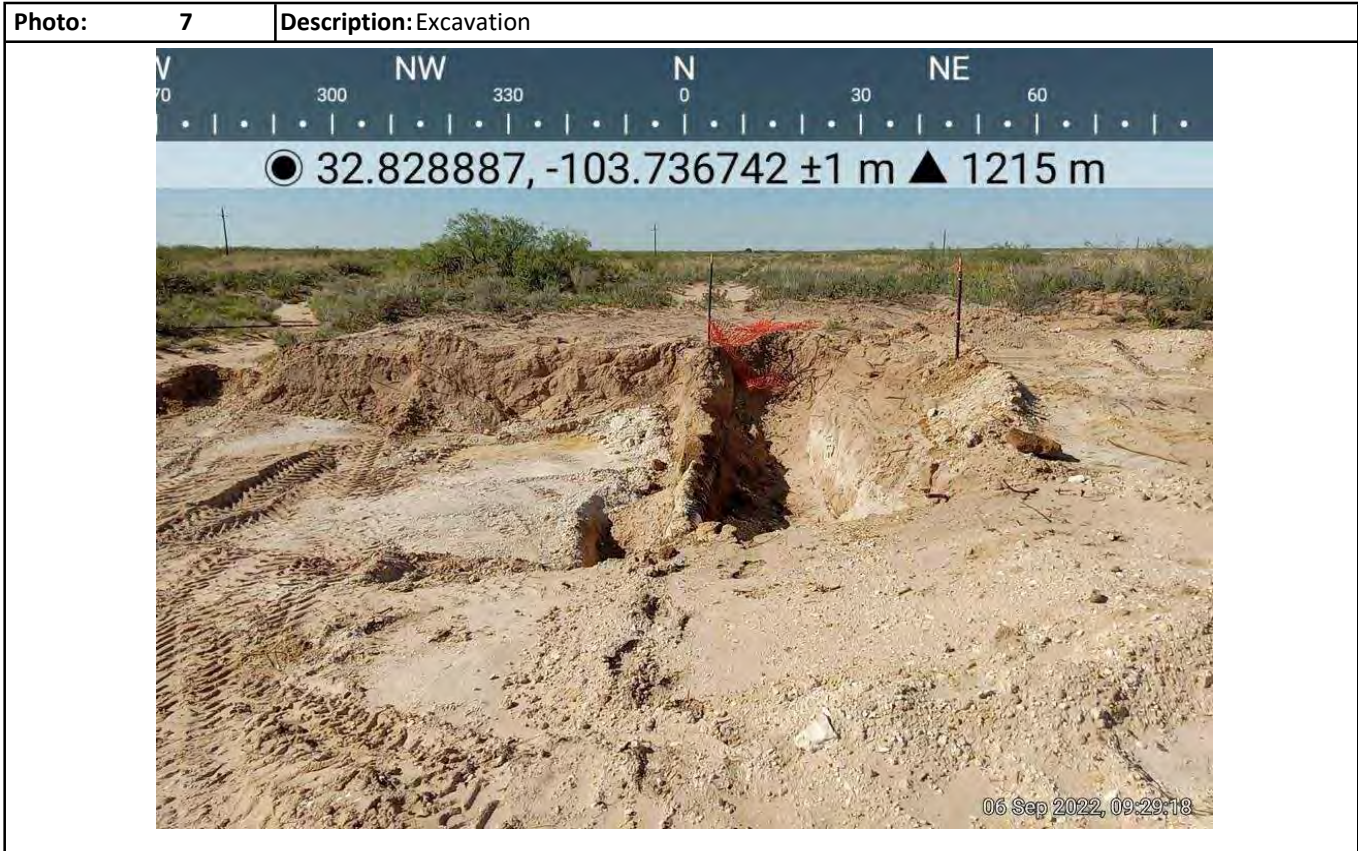
Photographs



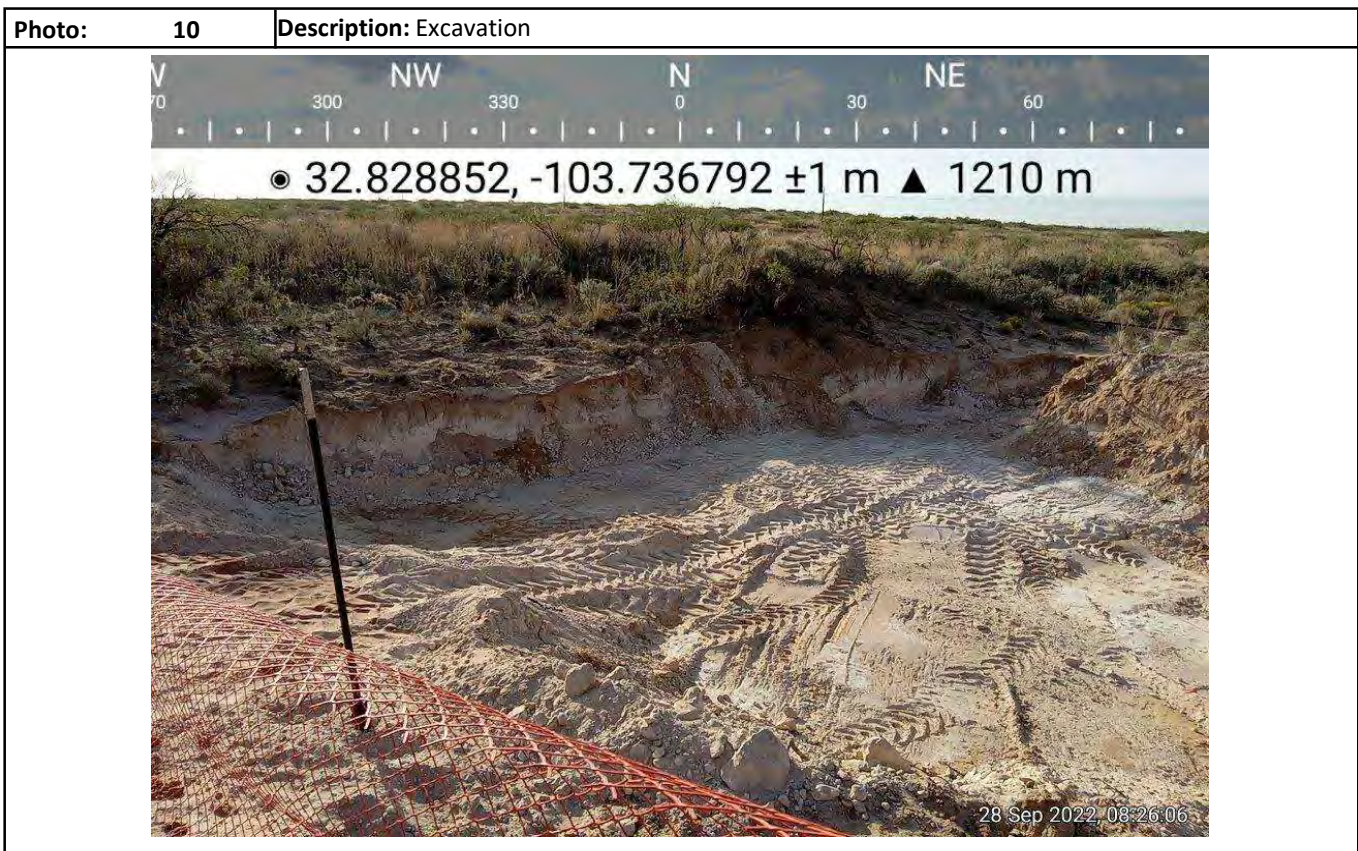
Photographs



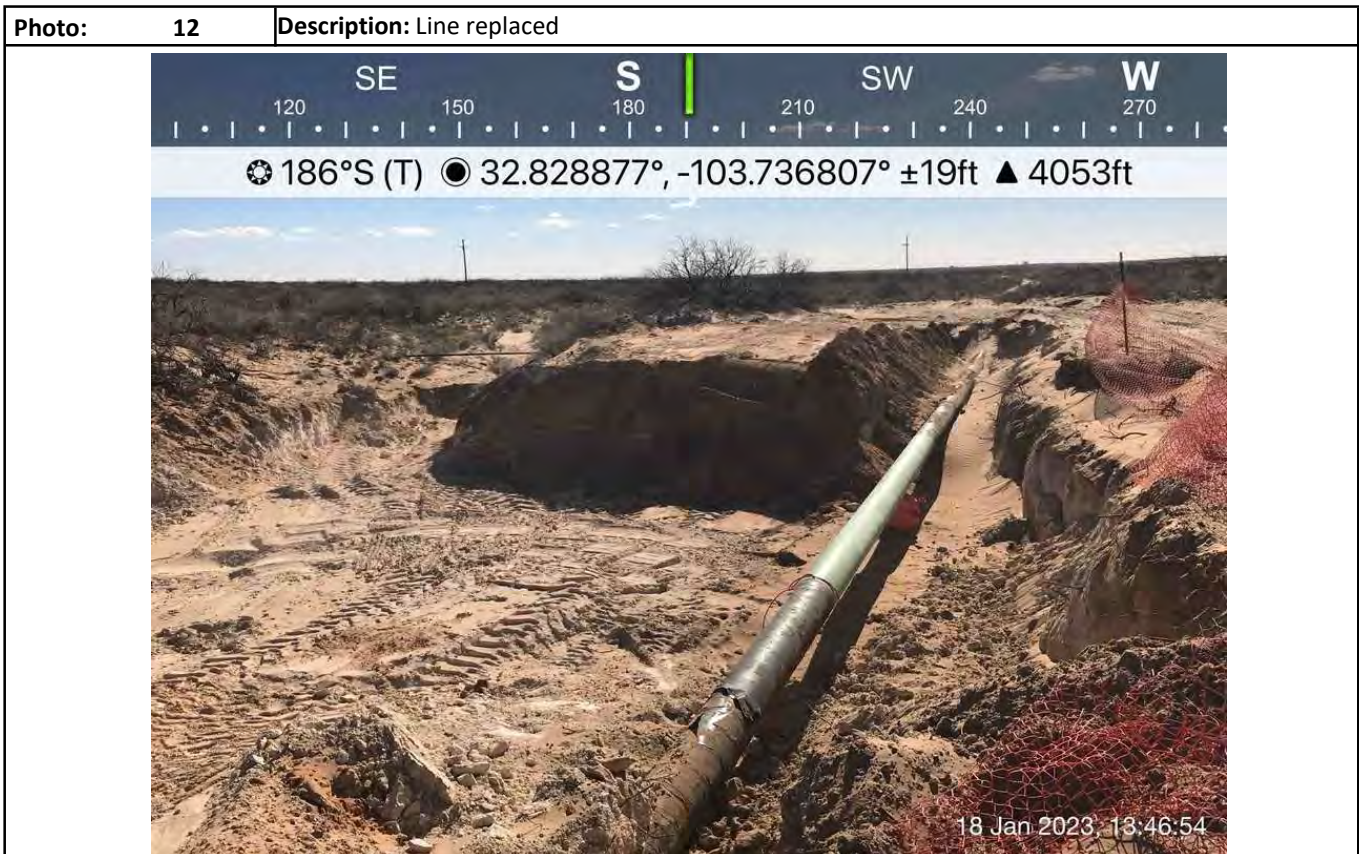
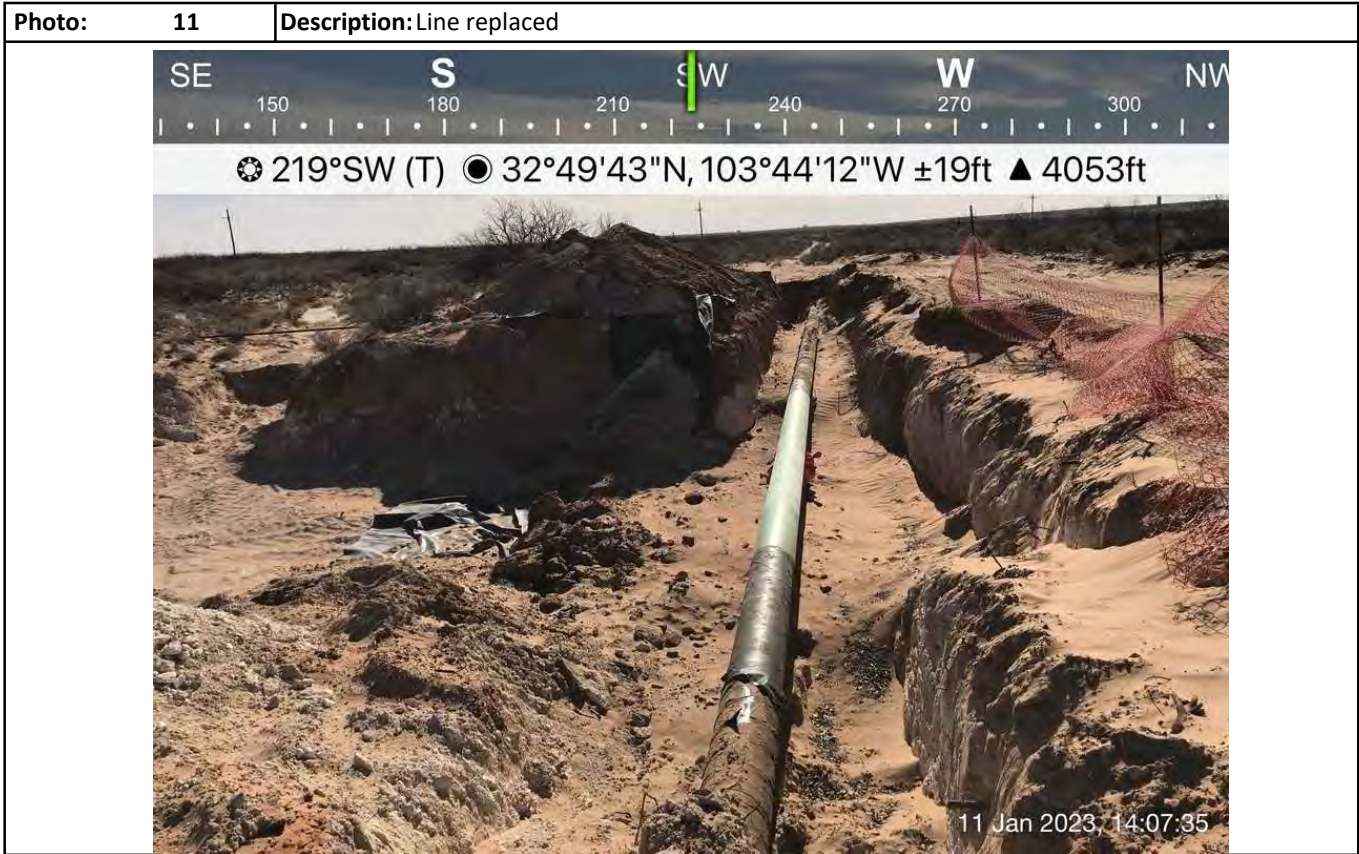
Photographs



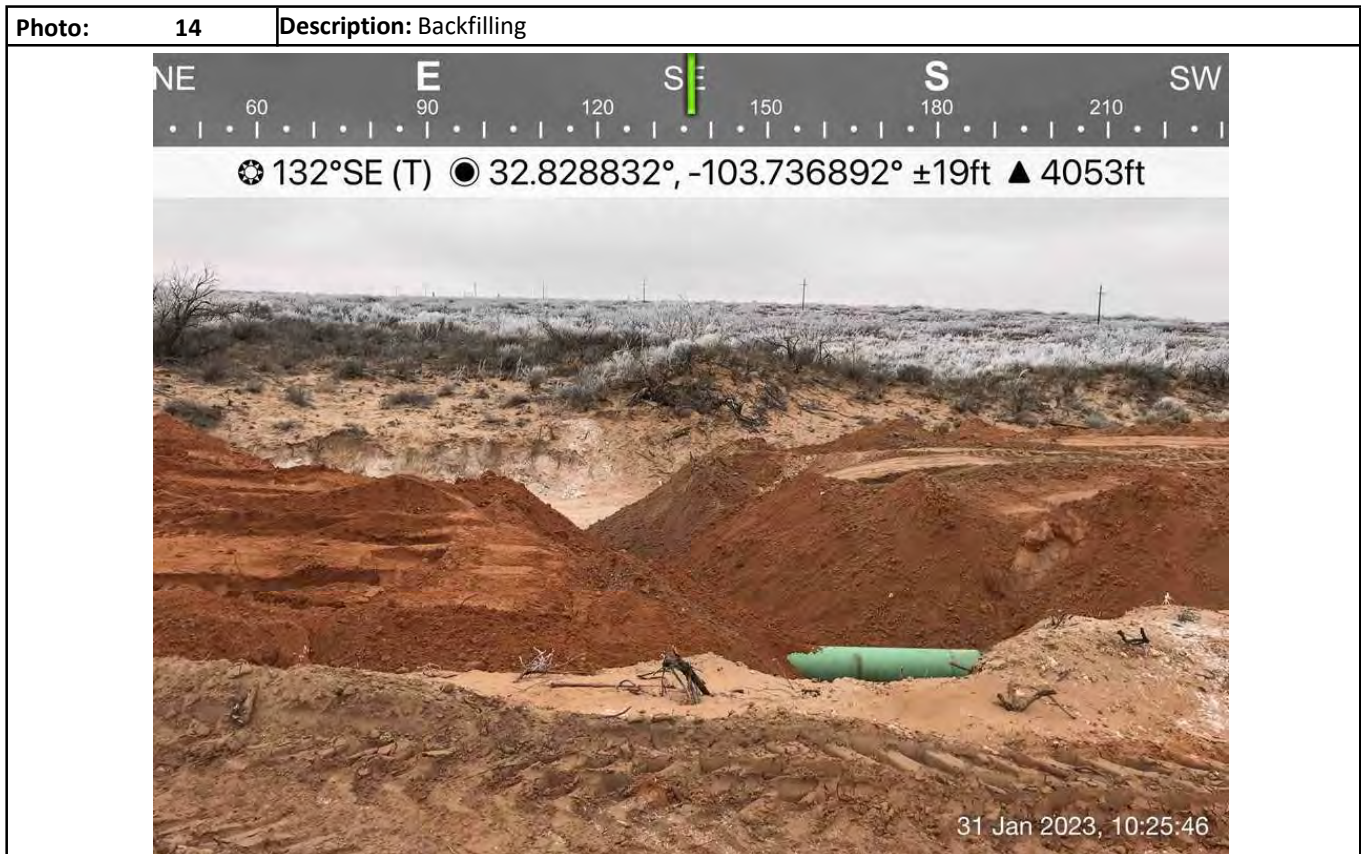
Photographs



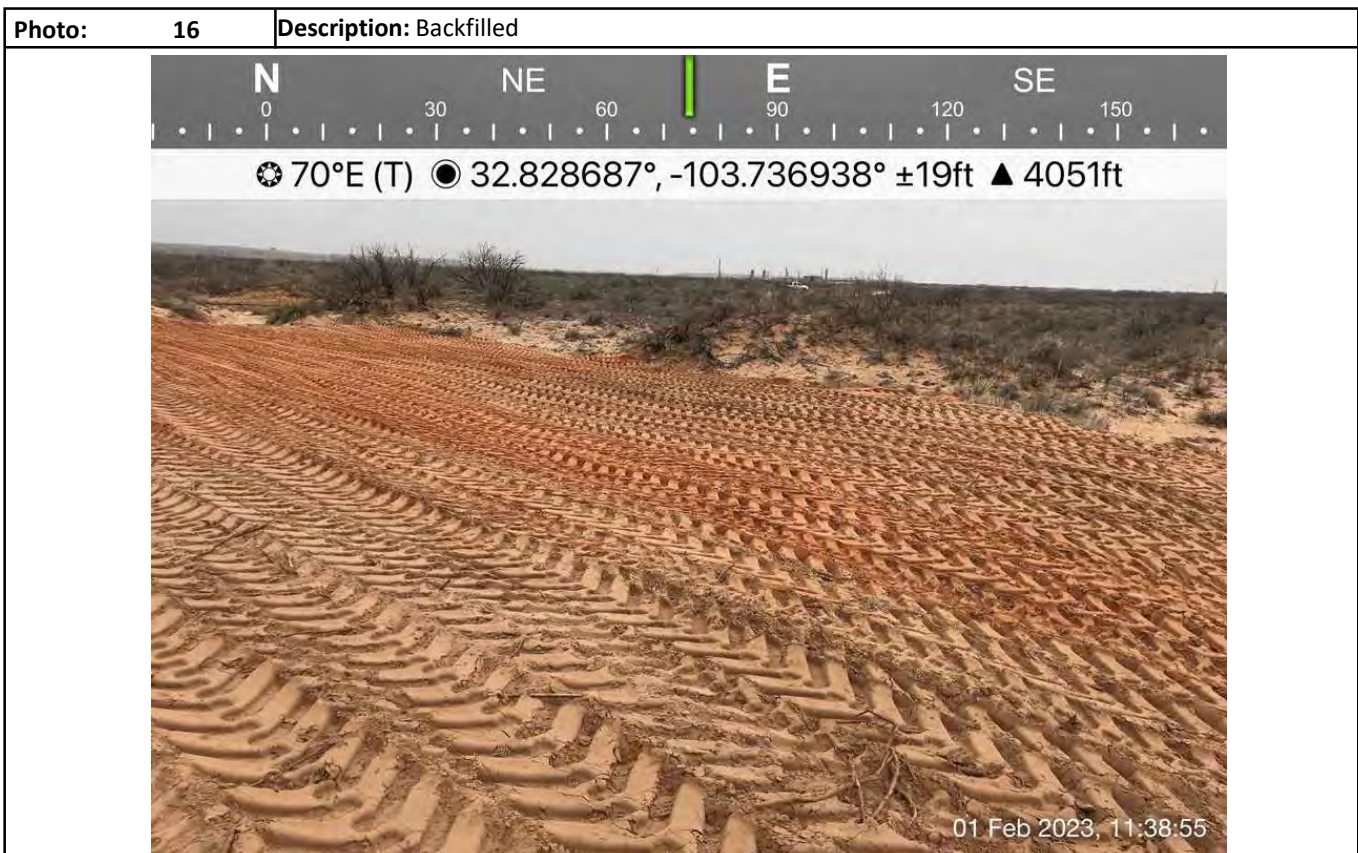
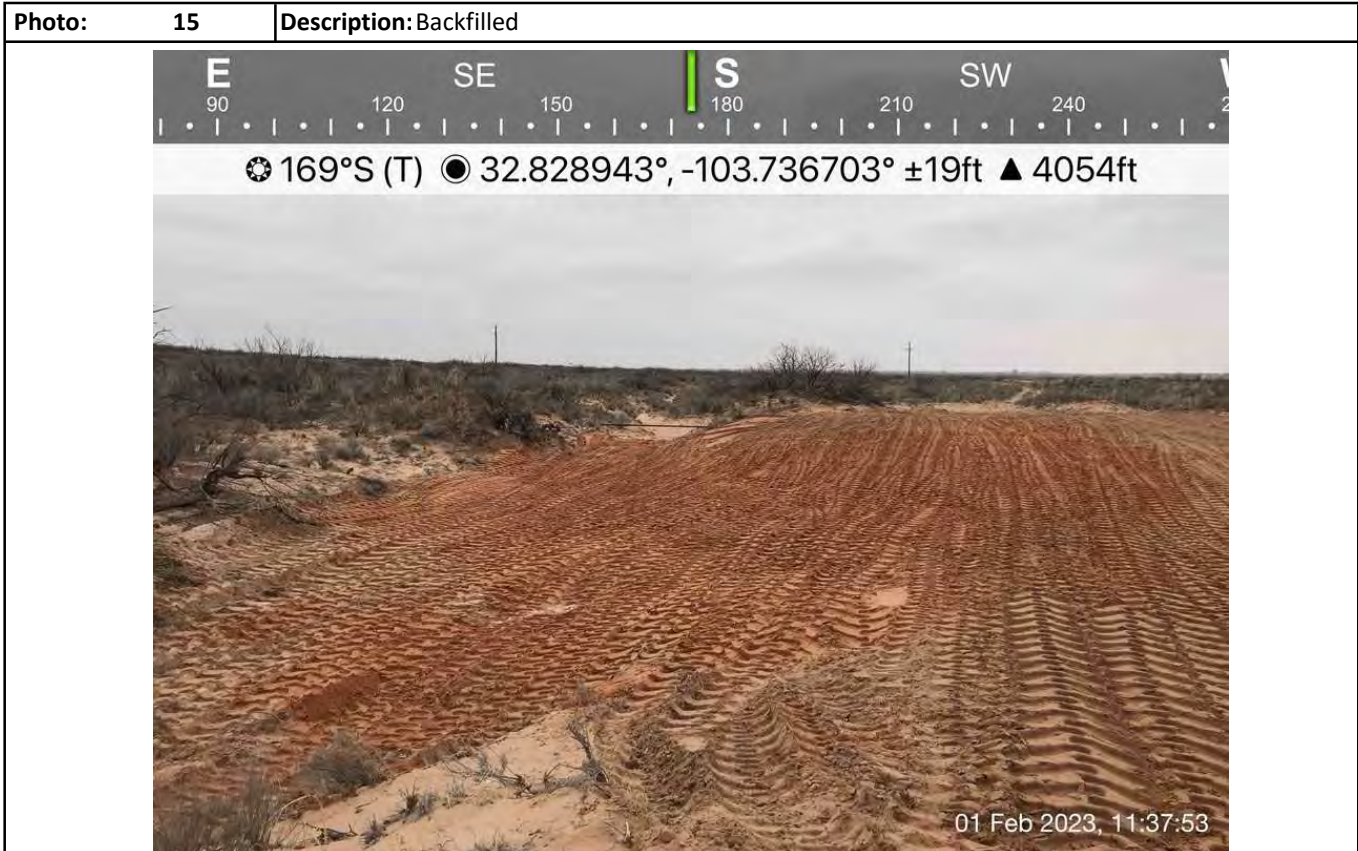
Photographs



Photographs



Photographs



Attachment IV

Depth to Groundwater



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 618233.28

Northing (Y): 3633015.32

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 any particular purpose of the data.

9/9/22 12:50 PM

WELLS WITH WELL LOG INFORMATION

Attachment V

Field Data

Hungry Horse, LLC

Project: 12" Caprock Low Pressure Line

Sampler: Jorge V

Stockpile = Stockpile #1

Sample Log

Sampler: George V.

Stockpile = Stockpile #1

Sample Log

Sampler: Jorge V

Stockpile = Stockpile #1

Sample Log

Sampler:

Stockpile = Stockpile #1

Sample Log

Sampler: J. Valeriano / E. Dominguez

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Reports



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

August 30, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: 12" CAPROCK LOW PRESSURE LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/25/22 15:44.

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, stylized '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:	08/25/2022	Sampling Date:	08/25/2022
Reported:	08/30/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: SP1 - SURF (H223926-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/27/2022	ND	1.76	87.8	2.00	12.4	
Toluene*	4.73	0.500	08/27/2022	ND	1.72	86.2	2.00	12.2	
Ethylbenzene*	7.61	0.500	08/27/2022	ND	1.67	83.3	2.00	12.1	
Total Xylenes*	21.3	1.50	08/27/2022	ND	5.21	86.8	6.00	11.7	
Total BTX	33.6	3.00	08/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/26/2022	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*	397	50.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	7760	50.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	1540	50.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 121 % 45.3-161

Surrogate: 1-Chlorooctadecane 173 % 46.3-178

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: 08/25/2022
 Reported: 08/30/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP1 - 8' (H223926-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2022	ND	2.18	109	2.00	2.19		
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16		
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88		
Total BTEx	<0.300	0.300	08/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	08/26/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.5 % 46.3-178

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: 08/25/2022
 Reported: 08/30/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP2 - SURF (H223926-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/29/2022	ND	2.18	109	2.00	2.19	
Toluene*	3.04	0.500	08/29/2022	ND	2.12	106	2.00	2.27	
Ethylbenzene*	4.63	0.500	08/29/2022	ND	2.08	104	2.00	2.16	
Total Xylenes*	23.6	1.50	08/29/2022	ND	6.46	108	6.00	2.88	
Total BTEX	31.3	3.00	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

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	08/26/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	828	50.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	24400	50.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	5280	50.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 310 % 45.3-161

Surrogate: 1-Chlorooctadecane 568 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/30/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP2 - 5' (H223926-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.18	109	2.00	2.19	
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88	
Total BTX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	08/26/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.9 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/30/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP3 - SURF (H223926-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/29/2022	ND	2.18	109	2.00	2.19	
Toluene*	5.11	0.500	08/29/2022	ND	2.12	106	2.00	2.27	
Ethylbenzene*	5.33	0.500	08/29/2022	ND	2.08	104	2.00	2.16	
Total Xylenes*	25.2	1.50	08/29/2022	ND	6.46	108	6.00	2.88	
Total BTEX	35.6	3.00	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/26/2022	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*	414	50.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	16300	50.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	4880	50.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane		129 %	45.3-161						
Surrogate: 1-Chlorooctadecane		480 %	46.3-178						

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: 08/25/2022
 Reported: 08/30/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP3 - 4' (H223926-06)

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	08/29/2022	ND	2.18	109	2.00	2.19		
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16		
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88		
Total BTEX	<0.300	0.300	08/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	08/26/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

Page 9 of 9



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

August 31, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: 12" CAPROCK LOW PRESSURE LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/25/22 15:45.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/25/2022	Sampling Date:	08/25/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: HZ1- SURF (H223927-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.18	109	2.00	2.19	
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88	
Total BTX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ1- 1' (H223927-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2022	ND	2.18	109	2.00	2.19		
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16		
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88		
Total BTEx	<0.300	0.300	08/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ2- SURF (H223927-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2022	ND	2.18	109	2.00	2.19	
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88	
Total BTX	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ2- 1' (H223927-04)

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	08/30/2022	ND	2.18	109	2.00	2.19		
Toluene*	<0.050	0.050	08/30/2022	ND	2.12	106	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.08	104	2.00	2.16		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.46	108	6.00	2.88		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	212	106	200	2.15	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	217	109	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ3- SURF (H223927-05)

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	08/29/2022	ND	2.18	109	2.00	2.19		
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16		
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88		
Total BTEx	<0.300	0.300	08/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	200	99.8	200	0.784	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	214	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ3- 1' (H223927-06)

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	08/29/2022	ND	2.18	109	2.00	2.19	
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.08	104	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.46	108	6.00	2.88	
Total BTEx	<0.300	0.300	08/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	08/29/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	200	99.8	200	0.784	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	214	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ4- SURF (H223927-07)

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	08/29/2022	ND	2.13	106	2.00	2.16		
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.64		
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.05	103	2.00	2.11		
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.43	107	6.00	2.80		
Total BTEx	<0.300	0.300	08/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	08/29/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	200	99.8	200	0.784	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	214	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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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: 08/25/2022
 Reported: 08/31/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 08/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HZ4- 1' (H223927-08)

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	08/29/2022	ND	2.13	106	2.00	2.16		
Toluene*	<0.050	0.050	08/29/2022	ND	2.12	106	2.00	2.64		
Ethylbenzene*	<0.050	0.050	08/29/2022	ND	2.05	103	2.00	2.11		
Total Xylenes*	<0.150	0.150	08/29/2022	ND	6.43	107	6.00	2.80		
Total BTEX	<0.300	0.300	08/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/29/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2022	ND	200	99.8	200	0.784	
DRO >C10-C28*	<10.0	10.0	08/26/2022	ND	214	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	08/26/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: Amber Groves																									
City: Hobbs		Address: 47 Conoco Rd																									
Phone #: 575 393-3386		City: Mallamar																									
Fax #:		State: NM																									
Project #:		Zip: 88264																									
Project Name: 12" Caprock Low Pressure Line		Phone #: 575-703-7992																									
Project Location: UL/O Sec 14 T17S - R32E		Fax #:																									
Sampler Name: Jorge Valeriano		PRESERV.:																									
FOR LAB USE ONLY		SAMPLING																									
Lab I.D. Sample I.D.		DATE																									
H223927		TIME																									
1		8/25/22																									
2		8/25/22																									
3		8/25/22																									
4		8/25/22																									
5		8/25/22																									
6		8/25/22																									
7		8/25/22																									
8		8/25/22																									

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Relinquished By: Jorge Valeriano		Date: 8/25/22		Received By: Shodriguez		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: 3:45		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One) 40. JC-O-02		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: (Initials) JVC					
Sampler - UPS - Bus - Other: 342 #113		<input type="checkbox"/> Yes <input type="checkbox"/> No							

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

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



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

September 09, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: 12" CAPROCK LOW PRESSURE LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/06/22 14:25.

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:	09/06/2022	Sampling Date:	09/06/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 1 (H224068-01)

BTX 8021B			mg/kg		Analyzed By: JH/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.92	96.0	2.00	16.7	
Toluene*	<0.050	0.050	09/07/2022	ND	1.96	97.8	2.00	17.0	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.93	96.6	2.00	16.8	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.06	101	6.00	16.9	
Total BTX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

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	09/08/2022	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	09/07/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	135	10.0	09/07/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	14.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.4 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 (H224068-02)

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	09/07/2022	ND	1.92	96.0	2.00	16.7	
Toluene*	<0.050	0.050	09/07/2022	ND	1.96	97.8	2.00	17.0	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.93	96.6	2.00	16.8	
Total Xylenes*	0.167	0.150	09/07/2022	ND	6.06	101	6.00	16.9	
Total BTEx	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 69.9-140

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	09/08/2022	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*	15.1	10.0	09/07/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	268	10.0	09/07/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	33.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 (H224068-03)

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	09/07/2022	ND	1.92	96.0	2.00	16.7		
Toluene*	<0.050	0.050	09/07/2022	ND	1.96	97.8	2.00	17.0		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.93	96.6	2.00	16.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.06	101	6.00	16.9		
Total BTEx	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	09/08/2022	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	09/08/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	116	10.0	09/08/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	12.9	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.5 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 4 (H224068-04)

BTX 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.92	96.0	2.00	16.7	
Toluene*	0.253	0.050	09/07/2022	ND	1.96	97.8	2.00	17.0	
Ethylbenzene*	0.546	0.050	09/07/2022	ND	1.93	96.6	2.00	16.8	
Total Xylenes*	2.36	0.150	09/07/2022	ND	6.06	101	6.00	16.9	
Total BTX	3.16	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 204 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/08/2022	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*	143	10.0	09/08/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	1590	10.0	09/08/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	224	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 (H224068-05)

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	09/07/2022	ND	1.92	96.0	2.00	16.7		
Toluene*	<0.050	0.050	09/07/2022	ND	1.96	97.8	2.00	17.0		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.93	96.6	2.00	16.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.06	101	6.00	16.9		
Total BTEx	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

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	09/08/2022	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	09/08/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	126	10.0	09/08/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	12.2	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 6 (H224068-06)

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	09/07/2022	ND	1.92	96.0	2.00	16.7	
Toluene*	<0.050	0.050	09/07/2022	ND	1.96	97.8	2.00	17.0	
Ethylbenzene*	0.072	0.050	09/07/2022	ND	1.93	96.6	2.00	16.8	
Total Xylenes*	0.381	0.150	09/07/2022	ND	6.06	101	6.00	16.9	
Total BTEx	0.453	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 69.9-140

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	09/08/2022	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*	25.3	10.0	09/08/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	496	10.0	09/08/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	70.3	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 (H224068-07)

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	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/08/2022	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	09/08/2022	ND	190	95.1	200	6.79	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	184	91.8	200	10.0	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.9 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 (H224068-08)

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	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/08/2022	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	09/08/2022	ND	194	97.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	207	104	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.6 % 46.3-178

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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: 09/06/2022
 Reported: 09/09/2022
 Project Name: 12" CAPROCK LOW PRESSURE LINE
 Project Number: FRONTIER
 Project Location: UL/ O SEC 14 T17S - R32E

Sampling Date: 09/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 (H224068-09)

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	09/08/2022	ND	1.93	96.5	2.00	1.09		
Toluene*	<0.050	0.050	09/08/2022	ND	1.96	98.2	2.00	1.15		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.95	97.3	2.00	0.0953		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.11	102	6.00	0.418		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	09/08/2022	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	09/08/2022	ND	194	97.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	207	104	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																		
Project Manager: Daniel Dominguez		P.O. #:																				
Address: PO Box 1058		Company: Frontier Field Services, LLC																				
City: Hobbs	State: NM	Zip: 88241	Attn: Amber Groves																			
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																				
Project #:	Project Owner: Frontier Field Services, LLC	City: Maljamar	State: NM	Zip: 88264																		
Project Name: 12" Caprock Low Pressure Line			State: NM	Zip: 88264																		
Project Location: U/L O Sec 14 T17S - R32E			Phone #: 575-703-7992																			
Sampler Name: Jorge Valeriano			Fax #:																			
FOR LAB USE ONLY			PRESERV.		SAMPLING																	
Lab I.D. Sample I.D.			MATRIX																			
			GROUNDWATER																			
			WASTEWATER																			
			SOIL																			
			OIL																			
			SLUDGE																			
			OTHER :																			
			ACID/BASE:																			
			ICE / COOL																			
			OTHER :																			
			DATE		TIME																	
1			FL1		C 1		X		Chloride		TPH		BTEX 8021									
2			FL2		C 1		X		9/6/22		X		X		X							
3			FL3		C 1		X		9/6/22		X		X		X							
4			FL4		C 1		X		9/6/22		X		X		X							
5			FL5		C 1		X		9/6/22		X		X		X							
6			FL6		C 1		X		9/6/22		X		X		X							
7			SW1		C 1		X		9/6/22		X		X		X							
8			SW2		C 1		X		9/6/22		X		X		X							
9			SW3		C 1		X		9/6/22		X		X		X							
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Relinquished By: Jorge Valeriano			Date: 9/26/22		Received By: Speeding																	
Relinquished By:			Date:		Received By:																	
Delivered By: (Circle One) 3.7% C.O.U.			Time: 14:25		Sample Condition																	
Sampler - UPS - Bus - Other: 3.1% #113			Time:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																	
					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
					No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>																	
					CHECKED BY: (initials)																	
					ag																	
					REMARKS:																	
					Email results to: pm@hungry-horse.com																	
					agroves@durangomidstream.com																	
					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 #:																	



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

September 23, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: 12" CAPROCK LOW PRESSURE LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/20/22 15:20.

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

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, stylized '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:	09/20/2022	Sampling Date:	09/20/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Jodi Henson
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 1B (H224352-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2022	ND	1.97	98.7	2.00	4.96		
Toluene*	<0.050	0.050	09/22/2022	ND	1.94	96.8	2.00	5.42		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	94.1	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.82	97.0	6.00	5.63		
Total BTX	<0.300	0.300	09/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2022	ND	196	97.8	200	1.85	
DRO >C10-C28*	136	10.0	09/21/2022	ND	187	93.7	200	0.189	QM-07
EXT DRO >C28-C36	17.0	10.0	09/21/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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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:	09/20/2022	Sampling Date:	09/20/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Jodi Henson
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 2B (H224352-02)

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	09/22/2022	ND	1.97	98.7	2.00	4.96	
Toluene*	<0.050	0.050	09/22/2022	ND	1.94	96.8	2.00	5.42	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	94.1	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.82	97.0	6.00	5.63	
Total BTEx	<0.300	0.300	09/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2022	ND	196	97.8	200	1.85	
DRO >C10-C28*	649	10.0	09/21/2022	ND	187	93.7	200	0.189	
EXT DRO >C28-C36	113	10.0	09/21/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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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:	09/20/2022	Sampling Date:	09/20/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Jodi Henson
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 3B (H224352-03)

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	09/22/2022	ND	1.97	98.7	2.00	4.96		
Toluene*	<0.050	0.050	09/22/2022	ND	1.94	96.8	2.00	5.42		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	94.1	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.82	97.0	6.00	5.63		
Total BTEx	<0.300	0.300	09/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2022	ND	196	97.8	200	1.85	
DRO >C10-C28*	29.1	10.0	09/21/2022	ND	187	93.7	200	0.189	
EXT DRO >C28-C36	10.7	10.0	09/21/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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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:	09/20/2022	Sampling Date:	09/20/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Jodi Henson
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 4B (H224352-04)

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	09/22/2022	ND	1.97	98.7	2.00	4.96		
Toluene*	<0.050	0.050	09/22/2022	ND	1.94	96.8	2.00	5.42		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	94.1	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.82	97.0	6.00	5.63		
Total BTEx	<0.300	0.300	09/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2022	ND	196	97.8	200	1.85	
DRO >C10-C28*	53.9	10.0	09/21/2022	ND	187	93.7	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	09/21/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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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:	09/20/2022	Sampling Date:	09/20/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Jodi Henson
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 5B (H224352-05)

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	09/22/2022	ND	1.97	98.7	2.00	4.96		
Toluene*	<0.050	0.050	09/22/2022	ND	1.94	96.8	2.00	5.42		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	94.1	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.82	97.0	6.00	5.63		
Total BTEx	<0.300	0.300	09/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2022	ND	196	97.8	200	1.85	
DRO >C10-C28*	101	10.0	09/21/2022	ND	187	93.7	200	0.189	
EXT DRO >C28-C36	17.6	10.0	09/21/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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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:	09/20/2022	Sampling Date:	09/20/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Jodi Henson
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 6B (H224352-06)

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	09/22/2022	ND	1.97	98.7	2.00	4.96	
Toluene*	<0.050	0.050	09/22/2022	ND	1.94	96.8	2.00	5.42	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	94.1	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.82	97.0	6.00	5.63	
Total BTEx	<0.300	0.300	09/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2022	ND	196	97.8	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/21/2022	ND	187	93.7	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	09/21/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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

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

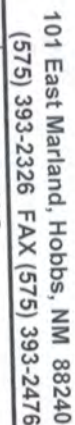
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



BILL TO

ANALYSIS REQUEST

Page 9 of 9

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REMARKS:

Email results to: pm@hungry-horse.com

agroves@durangomidstream.com

Delivered By: (Circle One)	Sample Condition	CHC/NOB:
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Impact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)

1.42/0.8c

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

Released to Imaging: 2/23/2023 1:44:00 PM



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

October 03, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: 12" CAPROCK LOW PRESSURE LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/28/22 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:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Tamara Oldaker
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 1 C (H224516-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/30/2022	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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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:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Tamara Oldaker
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 2 C (H224516-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107		
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112		
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33		
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79		
Total BTX	<0.300	0.300	10/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/30/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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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:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	12" CAPROCK LOW PRESSURE LINE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER	Sample Received By:	Tamara Oldaker
Project Location:	UL/ O SEC 14 T17S - R32E		

Sample ID: FL 5 C (H224516-03)

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	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEx	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/30/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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	nAPP2222037147
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 32.82881 Longitude -103.73685
(NAD 83 in decimal degrees to 5 decimal places)

Site Name 12" Caprock Low Pressure Line	Site Type Pipeline
Date Release Discovered 8/2/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	14	17S	32E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Shirla Kay Bayer)

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) 10.27	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 25.79	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

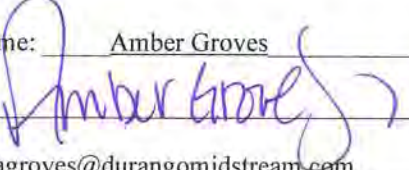
External & Internal Corrosion on bottom of pipeline.

Incident ID	nAPP2222037147
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Amber Groves</u> Title: <u>Remediation Specialist</u> Signature: <u></u> Date: <u>8/8/2022</u> email: <u>agroves@durangomidstream.com</u> Telephone: <u>(575)703-7992</u>
<u>OCD Only</u> Received by: _____ Date: _____



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	8/2/2022						
Site or Line Name:	12" Caprock Low Pressure						
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	180	2	1	360	10.27	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X				0	0.00	Standing Liquids

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

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

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)



Gas Volume Release Report

Gas Release Volume Calculator		
Date:	8/2/2022	
Site or Line Name:	12" Caprock Low Pressure	
Area of hole in pipe:	0.25	square inches
Absolute Pressure:	34.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Temperature:	94	Degrees F
Absolute Pressure:	34.7	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	25.79	MSCF
Notes		
Entered by user		
Calculated Value		
Constant		

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

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

CONDITIONS

Action 185880

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 185880
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	2/23/2023