



Remediation Summary and Closure Request

Frontier Field Services, LLC

Bulldog 12"

Lea County, New Mexico

Unit Letter "F", Section 15, Township 18 South, Range 32 East

Latitude 32.748594 North, Longitude 103.757483 West

NMOCD Incident # nAPP2302331665

Prepared For:

Frontier Field Services, LLC

47 Conoco Rd

Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

Office: (575) 393-3386

March 2023

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	nAPP2302331665
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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Incident ID	nAPP2302331665
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amber Groves Title: Remediation SpecialistSignature:  Date: 3/15/2023email: agroves@durangomidstream.com Telephone: 575-703-7992**OCD Only**Received by: Jocelyn Harimon Date: 03/15/2023

Incident ID	nAPP2302331665
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Remediation Plan

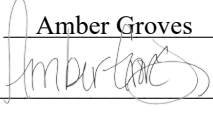
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

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

OCD Only

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

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

Signature: _____ Date: _____

Incident ID	nAPP2302331665
District RP	
Facility ID	
Application ID	

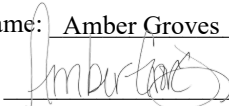
Closure

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

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

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


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

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

OCD Only

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

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

Closure Approved by:  Date: 03/24/2023
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 F (SE/NW), Section 15, Township 18 South, Range 32 East, approximately eight miles south of Maljamar, in Lea County, New Mexico. The site is located on Bureau of Land Management land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active pipeline; Latitude 32.748594 North, Longitude 103.757483 West. The Initial NMOCD Form C-141 indicated that on January 2, 2023 approximately 137.11 Mcf of natural gas was released due to internal and external corrosion. A crew was dispatched to the release site and the line was repaired. 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 February 13, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the excavated area. On February 16, 2023, the release area was sampled. During the sampling event, a hand augered soil bore was advanced within the excavated area in an effort to determine the vertical extent of contamination. This sample location is identified by SP designation. In addition, hand augered soil bores were advanced along the outside edges of the excavated area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the soil bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

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

From February 20-24, 2023, the sidewalls and floor of the excavation were expanded. Excavated soil was temporarily stockpiled on site, atop plastic, before transport to an NMOCD approved disposal facility.

On February 24, 2023, 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 BTEX and chloride contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples. However, TPH concentrations were in excess of NMOCD Closure Criteria in each of the submitted samples.

On March 6, 2023, after the sidewalls and floor of the excavation had been expanded further, 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 FL1b through FL6b and SW1b through SW3b were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The excavated area measured approximately forty-seven feet in length, thirty feet in width, and six feet in depth. During remediation activities approximately 456 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.

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 Bulldog 12" location, nAPP2302331665.

Limitations:

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



Distribution:

Frontier Field Services, LLC

47 Conoco Rd.
Maljamar, NM 88264

New Mexico Energy, Minerals and Natural Resources Department

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

New Mexico Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

Figures

**Figure 1**

Topographic Map
 Frontier Field Services, LLC
 Bulldog 12"
 GPS: 32.748594, -103.757483
 Lea County

Legend:

● Bulldog 12" Location

Drafted: dd
 Checked: bw
 Date: 2/15/23





1:18055

Figure 2

OSE POD Locations Map
Frontier Field Services, LLC
Bulldog 12"
GPS: 32.748594, -103.757483
Lea County

Legend:

● Bulldog 12" Location

Drafted: dd
Checked: bw
Date: 2/15/23



**Figure 3**

USGS Well Locations Map
Frontier Field Services, LLC
Bulldog 12"
GPS: 32.748594, -103.757483
Lea County

Legend:

● Bulldog 12" Location

Drafted: dd
Checked: bw
Date: 2/15/23



**Figure 4**

Delineation Sample Map
Frontier Field Services, LLC
Bulldog 12"
GPS: 32.748594, -103.757483
Lea County

Legend:

- Excavated Area
- Contaminated Stockpile
- SP1
- Delineation Sample Location



Drafted: dd
Checked: bw
Date: 2/15/23

**Figure 5**

Excavation Sample Map
Frontier Field Services, LLC
Bulldog 12"
GPS: 32.748594, -103.757483
Lea County

Legend:

Excavated Area



Composite Confirmation Sample Location

Drafted: dd
Checked: bw
Date: 3/6/23



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Bulldog 12"
NMOCD Ref. #: nAPP2302331665

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	2/16/23	Surf	Excavated	<0.050	<0.300	<10.0	501	501	119	620	160
	2/16/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ1	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ2	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ3	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ4	2/16/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	2/16/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL1	2/24/23	5	Excavated	<0.050	0.661	<10.0	383	383	83.3	466.3	112
FL1b	3/6/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL2	2/24/23	5	Excavated	<0.050	<0.300	<10.0	132	132	27.4	159.4	80.0
FL2b	3/6/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL3	2/24/23	5	Excavated	<0.050	<0.300	<10.0	227	227	48.9	275.9	240
FL3b	3/6/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL4	2/24/23	5	Excavated	<0.050	<0.300	12.2	385	397.2	76.5	473.7	160
FL4b	3/6/23	6	In-Situ	<0.050	<0.300	<10.0	47.1	47.1	<10.0	47.1	64.0
FL5	2/24/23	5	Excavated	<0.050	<0.300	<10.0	375	375	76.3	451.3	320
FL5b	3/6/23	6	In-Situ	<0.050	<0.300	<10.0	19.9	<20.0	<10.0	<30.0	80.0
FL6	2/24/23	5	Excavated	<0.050	<0.300	<10.0	467	467	97.8	564.8	256
FL6b	3/6/23	6	In-Situ	<0.050	<0.300	<10.0	73.2	73.2	11.8	85	80.0
SW1	2/24/23	2	Excavated	<0.050	<0.300	<10.0	153	153	39.9	192.9	80.0
SW1b	3/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW2	2/24/23	2	Excavated	<0.050	0.400	<10.0	363	363	84.0	447	176
SW2b	3/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW3	2/24/23	2	Excavated	<0.050	<0.300	<10.0	175	175	42.6	217.6	176
SW3b	3/6/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

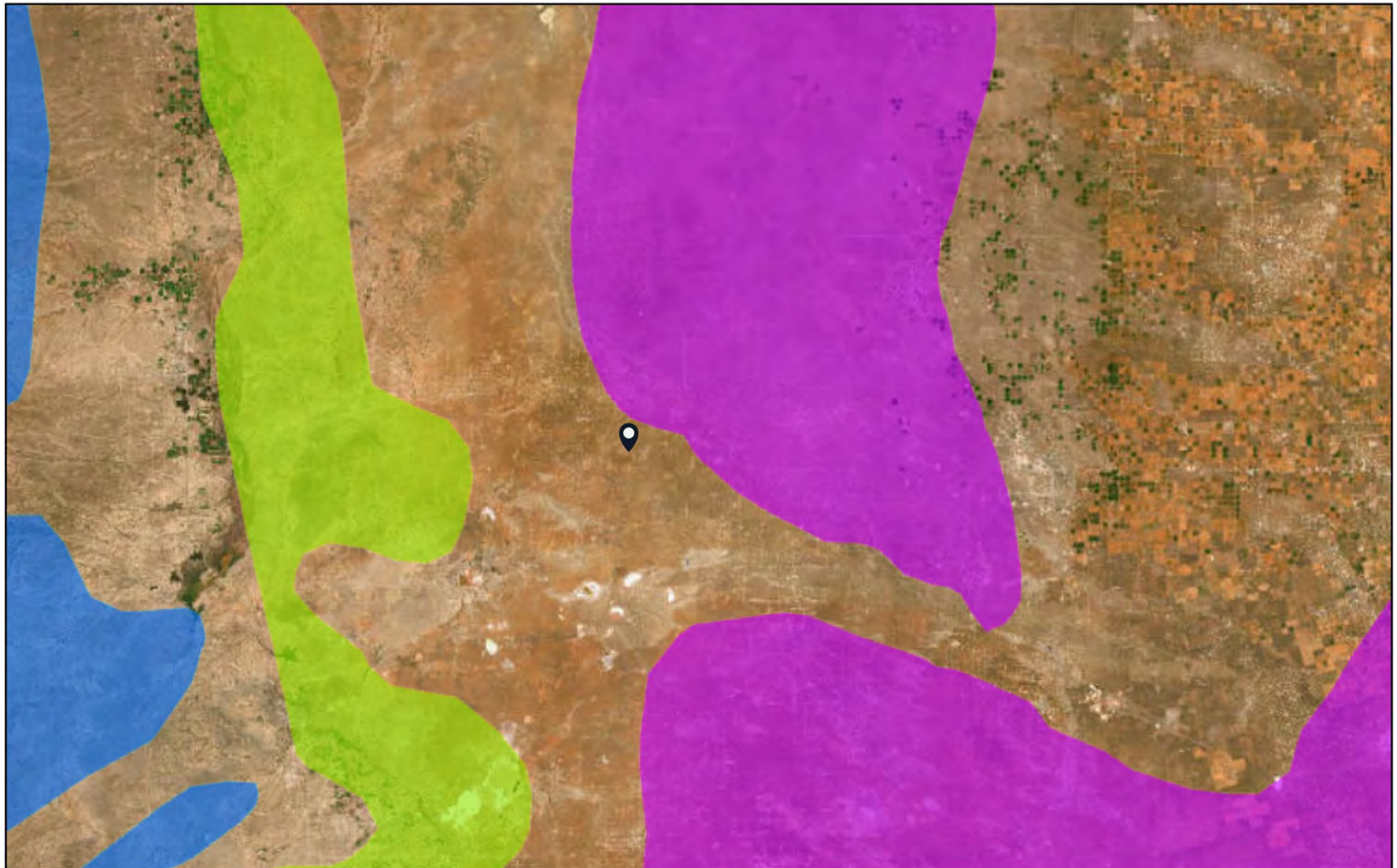
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps

Bulldog 12"



3/15/2023

Karst Type

Carbonate

Erosional

Gypsum

Volcanic

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

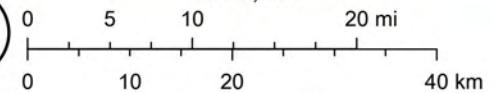
High Resolution 30cm Imagery

Citations

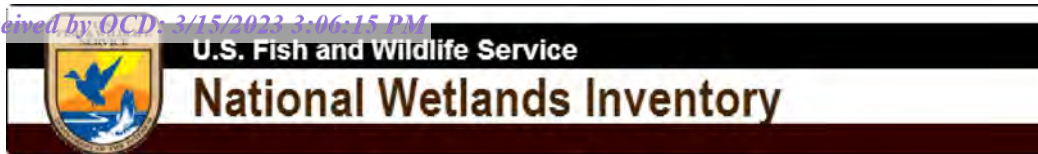
150m Resolution Metadata



1:879,206



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



Bulldog 12"



March 15, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

Attachment II

NMOCD Correspondence

Daniel Dominguez

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, February 22, 2023 9:54 AM
To: Daniel Dominguez
Cc: Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Closure Samples

Daniel,

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

JH

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



From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Wednesday, February 22, 2023 5:45 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 Bulldog 12" (nAPP2302331665) on Friday February 24, 2023 at 1 pm.
This is our 2 day notice.

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

Daniel Dominguez

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, March 2, 2023 3:34 PM
To: Daniel Dominguez
Cc: Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Closure Samples

Daniel,

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

JH

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



From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Thursday, March 2, 2023 8:20 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Closure Samples

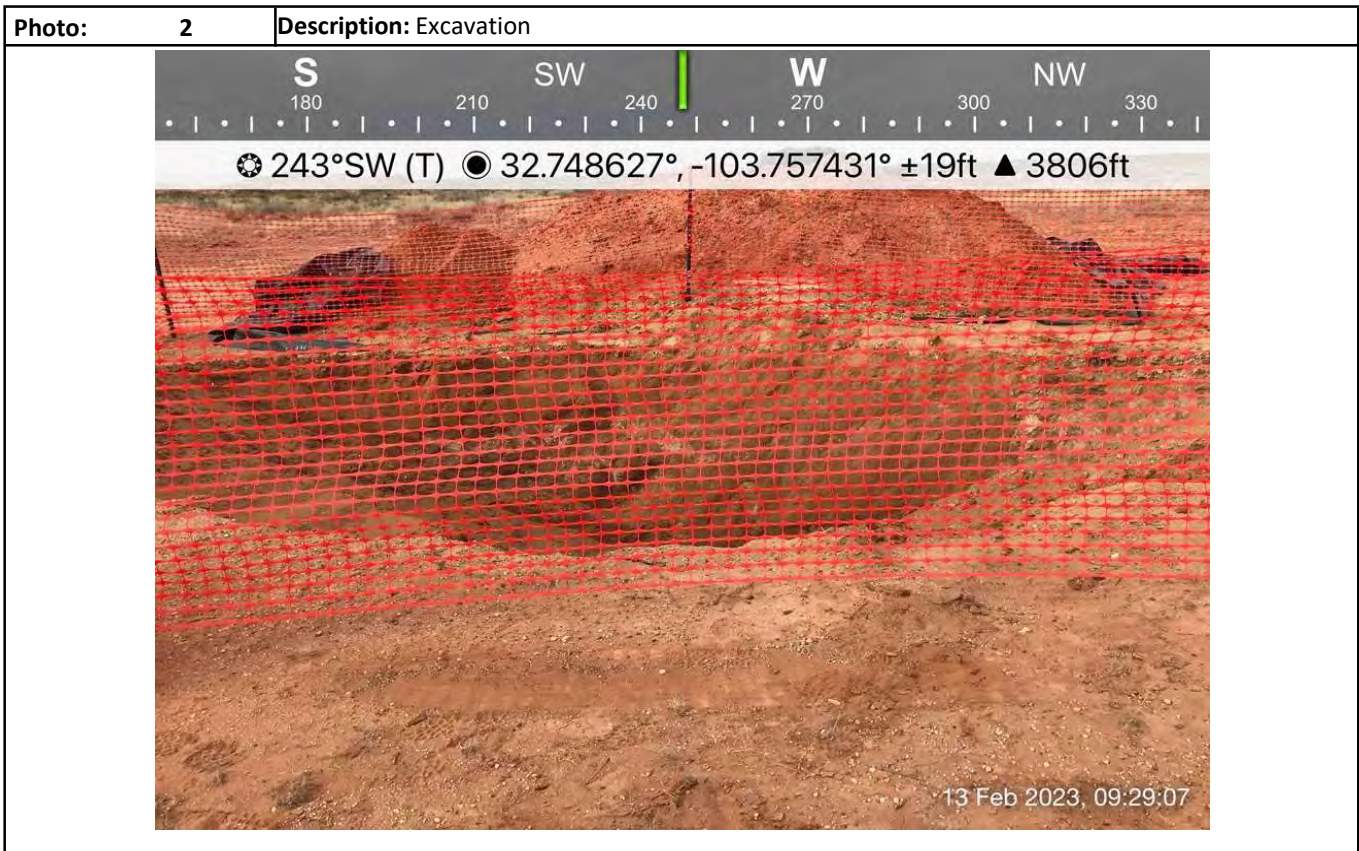
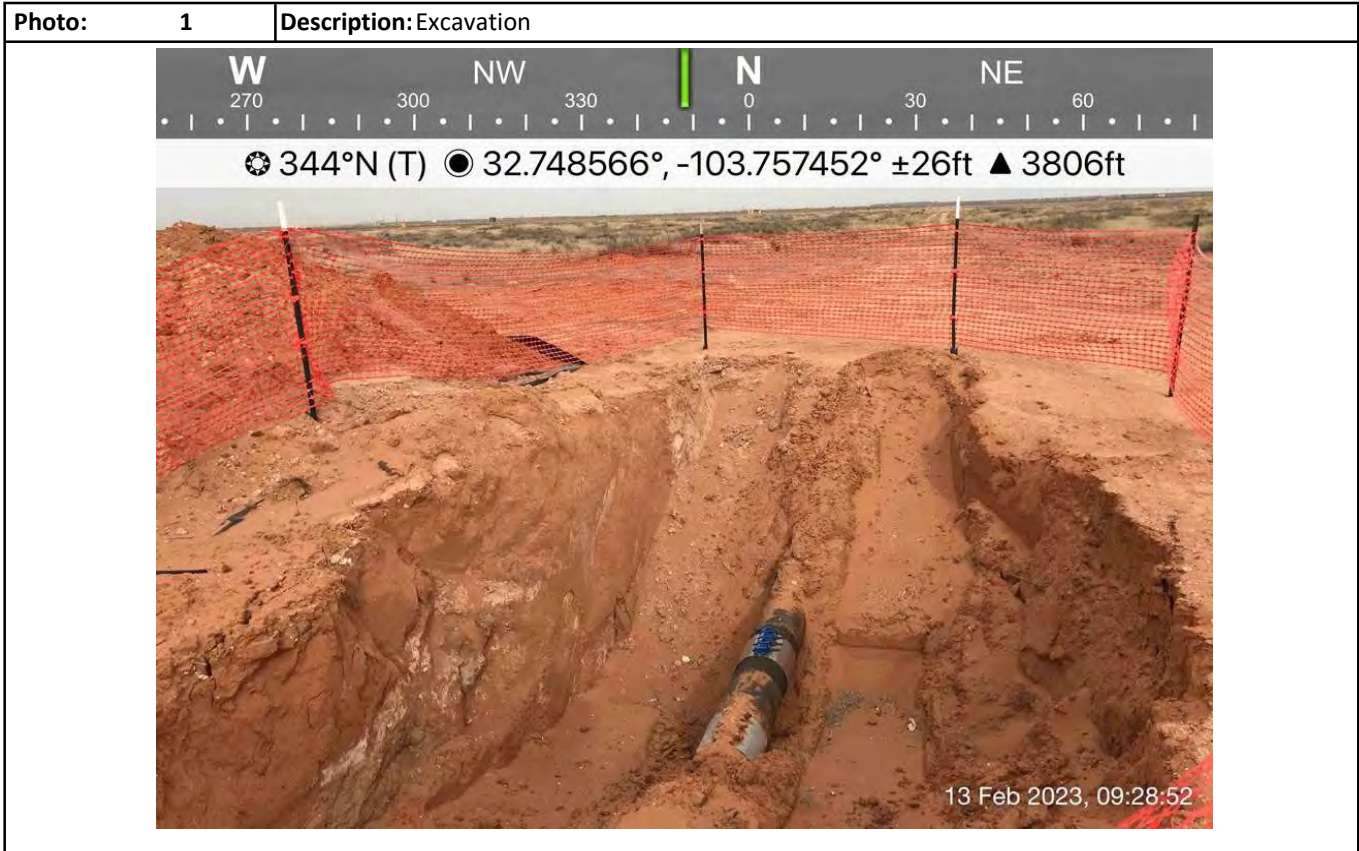
CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting closure samples at the Bulldog 12" (nAPP2302331665) on Monday March 6, 2023 at 7 am.
This is our 2 day notice.

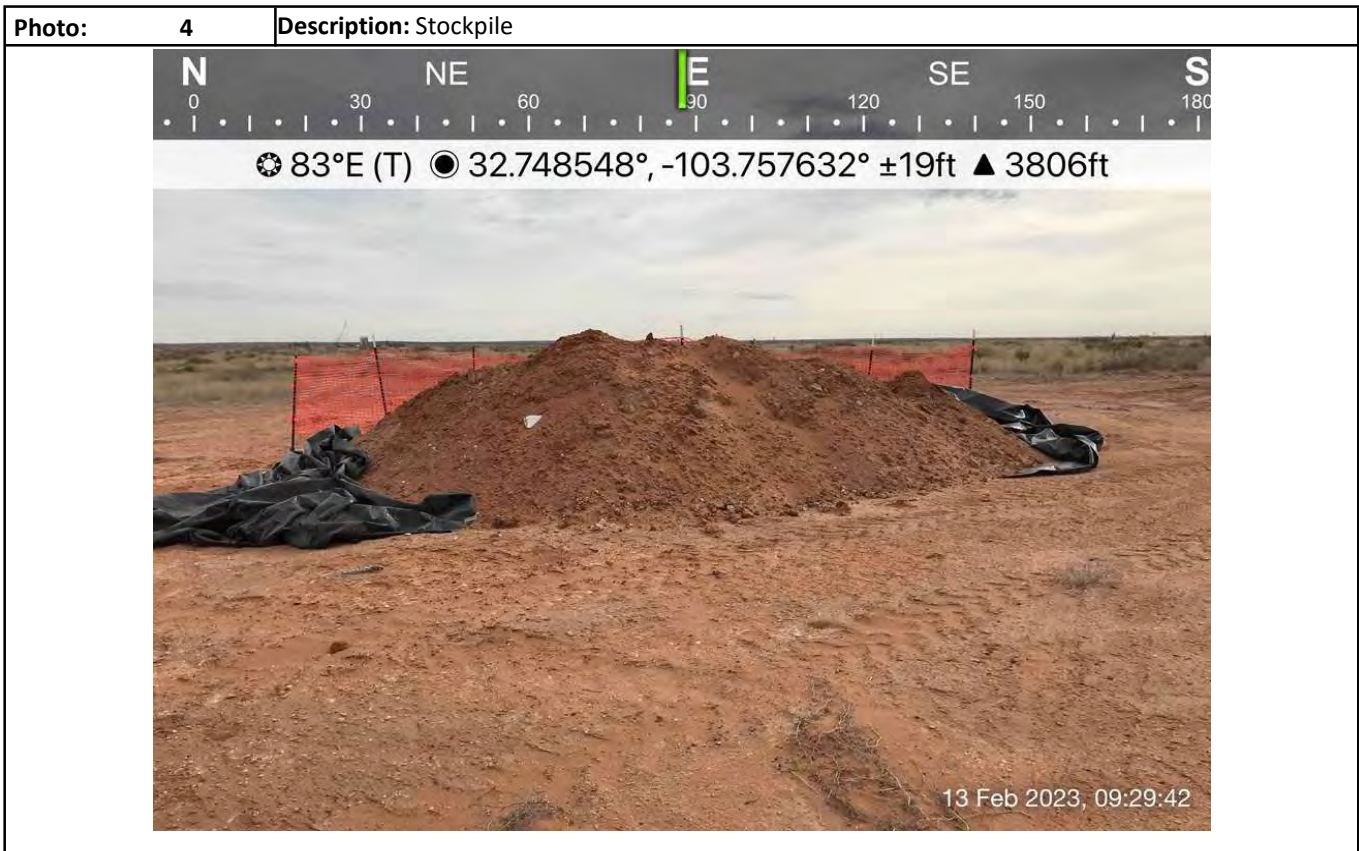
Daniel Dominguez
Environmental Manager
Hungry Horse, LLC
(mobile) 575-408-3134
ddominguez@hungry-horse.com

Attachment III Site Photographs

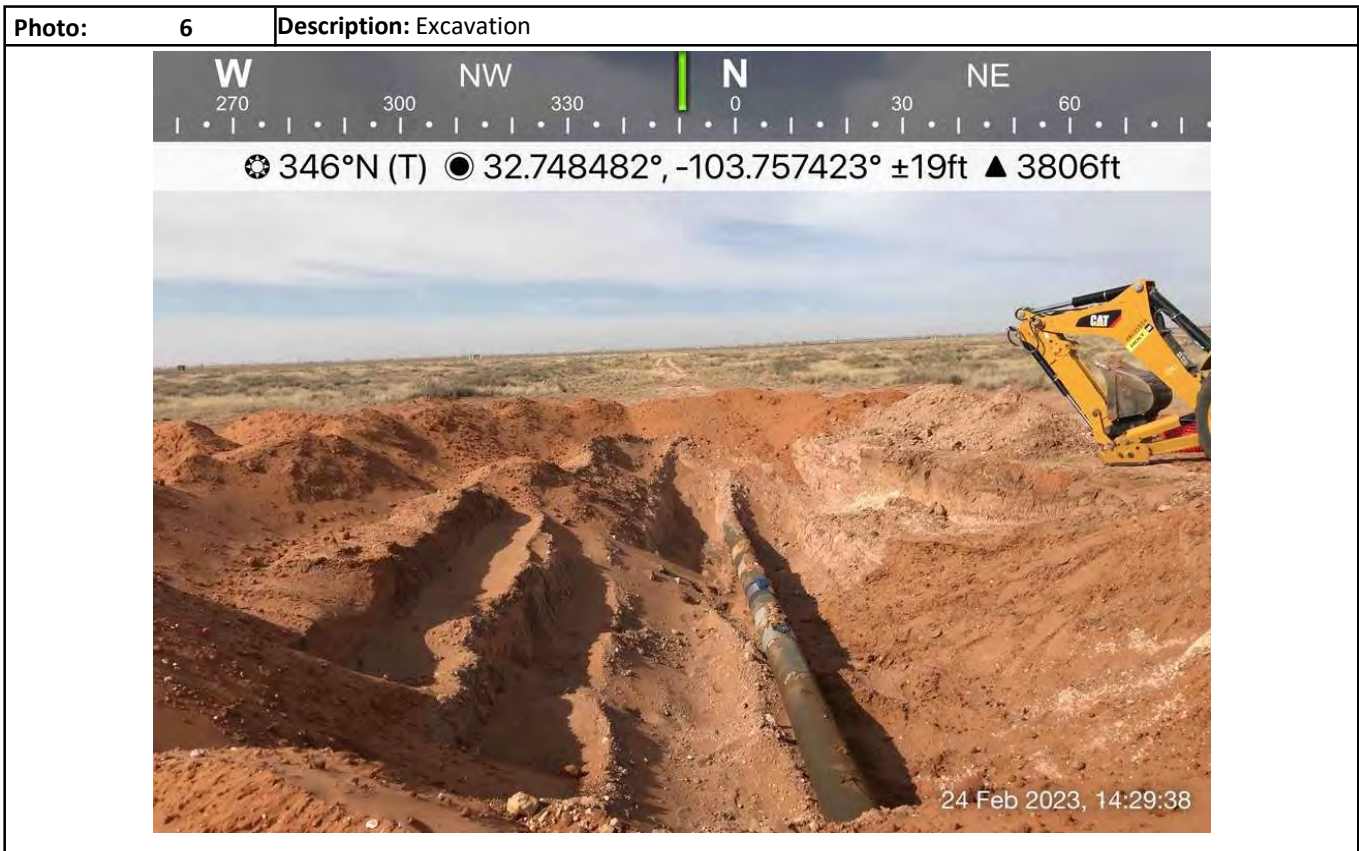
Photographs



Photographs



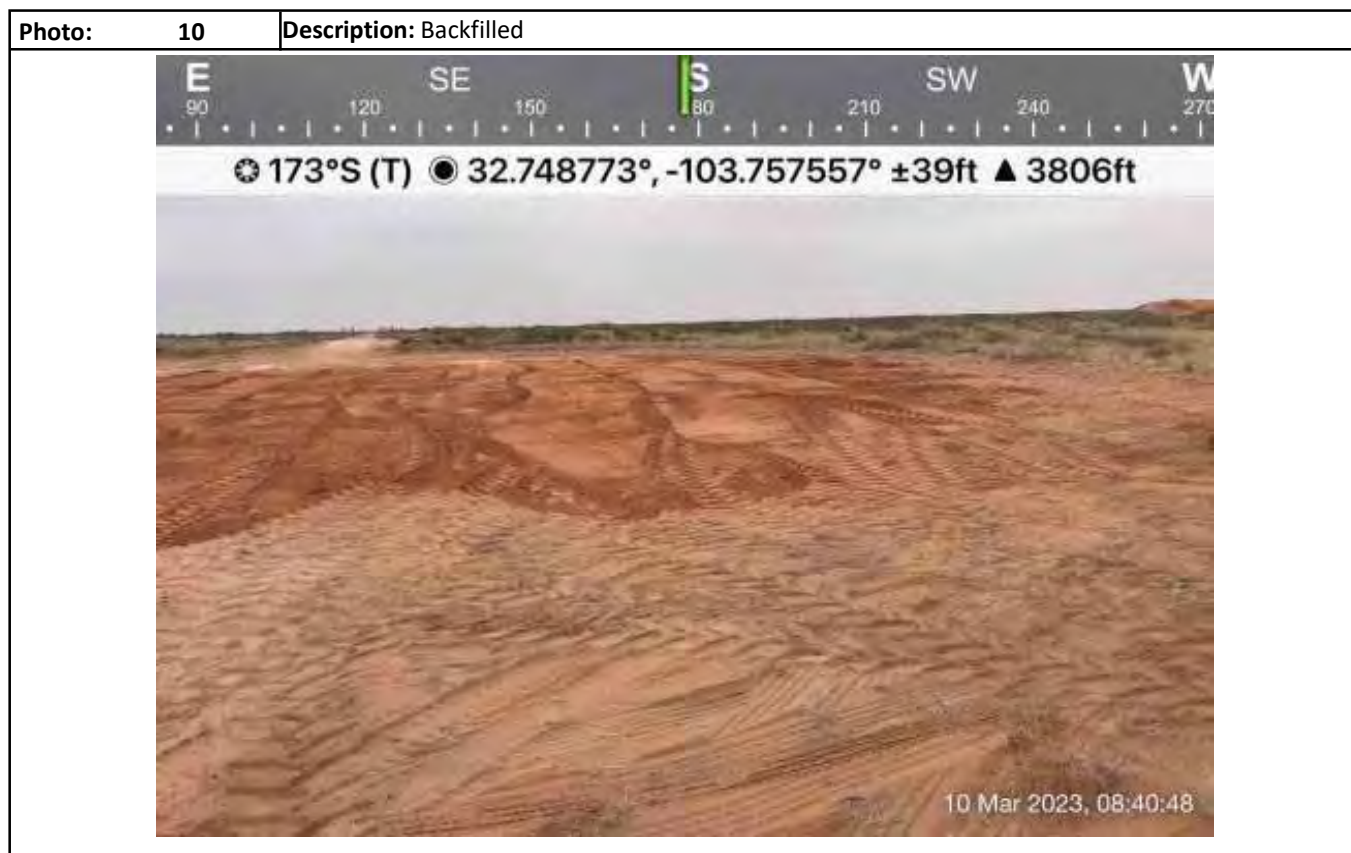
Photographs



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): 616402.61 Northing (Y): 3624099.45 Radius: 805

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

3/15/23 10:19 AM

WELLS WITH WELL LOG INFORMATION

Attachment V

Field Data

Sample Log

Sampler: Eli Dominguez

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Reports



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

February 23, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: BULLDOG 12"

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

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

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SP 1 - SURF (H230764-01)

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

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	217	109	200	4.62	
DRO >C10-C28*	501	10.0	02/20/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	119	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SP 1 - 5' (H230764-02)

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

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/21/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 1 - SURF (H230764-03)

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

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 1 - 1' (H230764-04)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 2 - SURF (H230764-05)

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

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	217	109	200	4.62	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	221	111	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 2 - 1' (H230764-06)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 3 - SURF (H230764-07)

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

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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

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

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 3 - 1' (H230764-08)

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

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 4 - SURF (H230764-09)

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

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

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

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

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/23/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: HZ 4 - 1' (H230764-10)

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

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

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

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

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

February 28, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: BULLDOG 12"

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

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

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:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 1 (H230874-01)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	0.103	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	0.122	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	0.436	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEX	0.661	0.300	02/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	383	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	83.3	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 2 (H230874-02)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEx	<0.300	0.300	02/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	132	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	27.4	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 3 (H230874-03)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEX	<0.300	0.300	02/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	227	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	48.9	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 4 (H230874-04)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEX	<0.300	0.300	02/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.2	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	385	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	76.5	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 5 (H230874-05)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	0.091	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	0.056	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEx	<0.300	0.300	02/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	375	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	76.3	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 6 (H230874-06)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEX	<0.300	0.300	02/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	467	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	97.8	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SW 1 (H230874-07)

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.09	104	2.00	4.47	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	3.67	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.16	108	2.00	3.57	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.62	110	6.00	4.30	
Total BTEx	<0.300	0.300	02/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	153	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	39.9	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SW 2 (H230874-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	5.29		
Toluene*	0.055	0.050	02/28/2023	ND	2.12	106	2.00	7.08		
Ethylbenzene*	0.074	0.050	02/28/2023	ND	2.10	105	2.00	7.26		
Total Xylenes*	0.270	0.150	02/28/2023	ND	6.36	106	6.00	7.29		
Total BTEX	0.400	0.300	02/28/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	363	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	84.0	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/24/2023	Sampling Date:	02/24/2023
Reported:	02/28/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SW 3 (H230874-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	5.29		
Toluene*	<0.050	0.050	02/28/2023	ND	2.12	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.10	105	2.00	7.26		
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.36	106	6.00	7.29		
Total BTEX	<0.300	0.300	02/28/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	195	97.4	200	6.60	
DRO >C10-C28*	175	10.0	02/27/2023	ND	186	93.2	200	5.88	
EXT DRO >C28-C36	42.6	10.0	02/27/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

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		BILL TO		P.O. #:		ANALYSIS REQUEST											
Project Manager: Daniel Dominguez		Company: Frontier Field Services, LLC		Address: 47 Conoco Rd													
Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241											
Phone #: 575 393-3386		Fax #:		City: Maljamar		State: NM											
Project #:		Project Owner: Frontier Field Services, LLC		Address: 47 Conoco Rd		Zip: 88264											
Project Name: Bulldog 12"		Project Location: U/L F Sec 15 T18S - R32E		Phone #: 575-703-7992		Fax #:											
Sampler Name: Eli Dominguez		FOR LAB USE ONLY		PRESERV:		SAMPLING											
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		DATE											
<div style="text-align: center;"> Lab I.D. Sample I.D. </div>		<div style="text-align: center;"> FOR LAB USE ONLY </div>		<div style="text-align: center;"> MATRIX </div>		<div style="text-align: center;"> PRESERV </div>		<div style="text-align: center;"> SAMPLING </div>									
										FL1		C 1		X		2/24/23	
										FL2		C 1		X		2/24/23	
										FL3		C 1		X		2/24/23	
										FL4		C 1		X		2/24/23	
										FL5		C 1		X		2/24/23	
										FL6		C 1		X		2/24/23	
										SW1		C 1		X		2/24/23	
										SW2		C 1		X		2/24/23	
										SW3		C 1		X		2/24/23	

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Relinquished By: <i>Eli Dominguez</i>		Date: <i>2/24/23</i>		Received By: <i>Eli Dominguez</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Relinquished By: <i>Eli Dominguez</i>		Date: <i>5:30</i>		Received By: <i>Eli Dominguez</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:	
Delivered By: (Circle One) <i>575-60-06</i>		Sample Condition		CHECKED BY: <i>SR</i>		Email results to: <i>pm@hungry-horse.com</i>	
Sampler - UPS - Bus - Other: <i>575-60-06</i>		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		agroves@durangomidstream.com	



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

March 09, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: BULLDOG 12"

Enclosed are the results of analyses for samples received by the laboratory on 03/06/23 11:57.

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:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 1B (H231004-01)

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	03/08/2023	ND	1.96	97.8	2.00	1.92	
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58	
Total BTX	<0.300	0.300	03/08/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	169	84.3	200	2.07	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	174	87.2	200	9.89	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 2B (H231004-02)

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	03/08/2023	ND	1.96	97.8	2.00	1.92		
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70		
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58		
Total BTX	<0.300	0.300	03/08/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	169	84.3	200	2.07	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	174	87.2	200	9.89	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 3B (H231004-03)

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	03/08/2023	ND	1.96	97.8	2.00	1.92	
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58	
Total BTEx	<0.300	0.300	03/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 4B (H231004-04)

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	03/08/2023	ND	1.96	97.8	2.00	1.92		
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70		
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58		
Total BTX	<0.300	0.300	03/08/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	47.1	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 5B (H231004-05)

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	03/08/2023	ND	1.96	97.8	2.00	1.92	
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58	
Total BTEx	<0.300	0.300	03/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	19.9	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: FL 6B (H231004-06)

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	03/08/2023	ND	1.96	97.8	2.00	1.92	
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58	
Total BTEx	<0.300	0.300	03/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	73.2	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	11.8	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SW 1B (H231004-07)

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	03/08/2023	ND	1.96	97.8	2.00	1.92	
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58	
Total BTEX	<0.300	0.300	03/08/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SW 2B (H231004-08)

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	03/08/2023	ND	1.96	97.8	2.00	1.92	
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58	
Total BTEx	<0.300	0.300	03/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/06/2023	Sampling Date:	03/06/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	BULLDOG 12"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/F SEC 15 T18S - R32E		

Sample ID: SW 3B (H231004-09)

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	03/08/2023	ND	1.96	97.8	2.00	1.92		
Toluene*	<0.050	0.050	03/08/2023	ND	2.03	102	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	2.04	102	2.00	2.70		
Total Xylenes*	<0.150	0.150	03/08/2023	ND	6.16	103	6.00	2.58		
Total BTEx	<0.300	0.300	03/08/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	189	94.4	200	0.647	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	172	85.8	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

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		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Company: Frontier Field Services, LLC		Attn: Amber Groves		Address: 47 Conoco Rd		City: Maljamar		State: NM		Zip: 88264		Phone #: 575-703-7992		Fax #:											
Project #: 575 393-3386		Fax #:		Project Owner: Frontier Field Services, LLC		City: Maljamar		State: NM		Zip: 88264		Phone #: 575-703-7992		Fax #:		Project Name: Bulldog 12"		Project Location: U/L F Sec 15 T18S - R32E		Sampler Name: Bradley Wells		FOR LAB USE ONLY		Lab I.D. Sample I.D.											
Date: 3/6/23		Time: 1:57		Received By: [Signature]		Date: 3/6/23		Time: 1:57		Received By: [Signature]		Date: 3/6/23		Time: 1:57		Date: 3/6/23		Time: 1:57		Date: 3/6/23		Time: 1:57		Date: 3/6/23		Time: 1:57									
Relinquished By: [Signature]		Date: 3/6/23		Time: 1:57		Received By: [Signature]		Date: 3/6/23		Time: 1:57		Received By: [Signature]		Date: 3/6/23		Time: 1:57		Date: 3/6/23		Time: 1:57		Date: 3/6/23		Time: 1:57		Date: 3/6/23		Time: 1:57							
Delivered By: (Circle One)		Sample Condition		Cool		Intact		Yes		No		Yes		No		Yes		No		Yes		No		Yes		No		Yes		No					
Sampler - UPS - Bus - Other: 4.12/3.52		#113		CHECKED BY: (Initials)		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]					
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		Email results to: pm@hungry-horse.com		agroves@durangomidstream.com		REMARKS:		Phone Result: Yes No		Fax Result: Yes No		Add'l Phone #:		Add'l Fax #:		REMARKS:		Phone Result: Yes No		Fax Result: Yes No		Add'l Phone #:		Add'l Fax #:		REMARKS:		Phone Result: Yes No		Fax Result: Yes No		Add'l Phone #:		Add'l Fax #:	

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	nAPP2302331665
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 32.748072 Longitude -103.757299
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bulldog 12" Steel Line	Site Type Pipeline
Date Release Discovered 1/20/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	15	18S	32E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 137.11	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release
External and internal corrosion. Underground pipeline with soil impact.

Incident ID	nAPP2302331665
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Amber Groves</u>	Title: <u>Senior Environmental Specialist</u>
Signature: 	Date: <u>1/23/2023</u>
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>
<u>OCD Only</u>	
Received by: _____	Date: _____



Gas Volume Release Report

Gas Release Volume Calculator		
Date:	1/20/2023	
Site or Line Name:	Bulldog 12" Steel Line LP	
Area of Hole in Pipe:	0.5	square inches
Absolute Pressure:	54.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Actual Temperature:	58	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	
Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - ACF	36.70	MACF
Volume of Gas - SCF	137.11	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 197622

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 197622
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/24/2023