

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2230130314
District RP	
Facility ID	
Application ID	

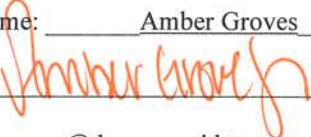
## Closure

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: 1/3/2023  
email: agroves@durangomidstream.com Telephone: 575-703-7992

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

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: Robert Hamlet Date: 4/11/2023  
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



## Remediation Summary and Closure Request

**Frontier Field Services, LLC**

**Gissler B2 4"**

**Eddy County, New Mexico**

**Unit Letter "H", Section 23, Township 17 South, Range 30 East**

**Latitude 32.822994 North, Longitude 103.937443 West**

**NMOCD Incident # nAPP2230130314**

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Prepared For:

Frontier Field Services, LLC

47 Conoco Rd

Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

Office: (575) 393-3386

**December 2022**

*Bradley Wells*

Bradley Wells

Project Manager

[bwells@hungry-horse.com](mailto:bwells@hungry-horse.com)

*Daniel Dominguez*

Daniel Dominguez

Environmental Manager

[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

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## Site Assessment/Characterization

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

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



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Printed Name: Amber Groves Title: Sr. Environmental Specialist

Signature:  Date: 1/3/2023

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

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

Incident ID	nAPP2230130314
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## Remediation Plan

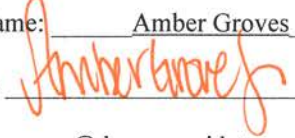
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ 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.

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Printed Name: Amber Groves Title: Sr. Environmental Specialist  
Signature:  Date: 1/3/2022  
email: agroves@durangomidstream.com Telephone: (575)703-7992

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

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

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

Incident ID	nAPP2230130314
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Application ID	

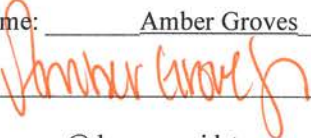
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**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

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Printed Name: Amber Groves Title: Sr. Environmental Specialist  
Signature:  Date: 1/3/2023  
email: agroves@durangomidstream.com Telephone: 575-703-7992

### OCD Only

Received by: Jocelyn Harimon Date: 01/04/2023

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: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



## HUNGRY HORSE, LLC

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

### Background:

The site is located in Unit Letter H (SE/NE), Section 23, Township 17 South, Range 30 East, approximately three miles northeast of Loco Hills, in Eddy 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 32.822994 North, Longitude 103.937443 West. The Initial NMOCD Form C-141 indicated that on October 27, 2022 approximately 166.58 Mcf of natural gas was released due to a polyline fuse failure. A crew was dispatched to the release site and the line was repaired. No fluid was released. 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





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### **Delineation and Remediation Activities:**

On December 8, 2022, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the excavated area, and a series of sampling events. During the sampling events, 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.

From November 15-16, 2022, excavated soil that was temporarily stockpiled on site, atop plastic, was transported to an NMOCD approved disposal facility.

The excavated area measured approximately twenty feet in length, ten feet in width, and five feet in depth. During remediation activities approximately 36 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility. Manifests can be provided upon request.

On December 15, 2022, two 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 and SW1 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.

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.



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**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 Gissler B2 4" location, nAPP2230130314.

**Limitations:**

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



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**Distribution:**

**Frontier Field Services, LLC**

47 Conoco Rd.  
Maljamar, NM 88264

**New Mexico Energy, Minerals and Natural Resources Department**

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

**New Mexico Bureau of Land Management**

620 E. Greene St  
Carlsbad, NM 88220

## Figures



**Figure 1**

Topographic Map  
 Frontier Field Services, LLC  
 Gissler B2 4"  
 GPS: 32.822994, -103.937443  
 Eddy County

**Legend:**

● Gissler B2 4" Location

Drafted: dd  
 Checked: bw  
 Date: 11/28/22





**Figure 2**

OSE POD Locations Map  
Frontier Field Services, LLC  
Gissler B2 4"  
GPS: 32.822994, -103.937443  
Eddy County

**Legend:**

- Gissler B2 4" Location

Drafted: dd  
Checked: bw  
Date: 11/28/22





**Figure 3**

USGS Well Locations Map  
Frontier Field Services, LLC  
Gissler B2 4"  
GPS: 32.822994, -103.937443  
Eddy County

**Legend:**

● Gissler B2 4" Location

Drafted: dd  
Checked: bw  
Date: 11/28/22







**Figure 4**

Delineation Sample Map  
Frontier Field Services, LLC  
Gissler B2 4"  
GPS: 32.822994, -103.937443  
Eddy County

**Legend:**

-  Excavated area  
 Delineation Sample Location

Drafted: dd  
Checked: bw  
Date: 12/8/22







**Figure 5**

Excavation Sample Map  
Frontier Field Services, LLC  
Gissler B2 4"  
GPS: 32.822994, -103.937443  
Eddy County

**Legend:**

-  Excavated Area  
 Composite Confirmation Sample Location

Drafted: dd  
Checked: bw  
Date: 12/15/22



**Table**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Frontier Field Services, LLC**  
**Gissler B2 4"**  
**NMOCD Ref. #: nAPP2230130314**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP1	12/8/22	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	12/8/22	5	In-Situ	<0.050	<0.300	<10.0	17.1	<20.0	<10.0	<30.0	<16.0
HZ1	12/8/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	12/8/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ2	12/8/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	12/8/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	12/8/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	12/8/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ4	12/8/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	12/8/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL1	12/15/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW1	12/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

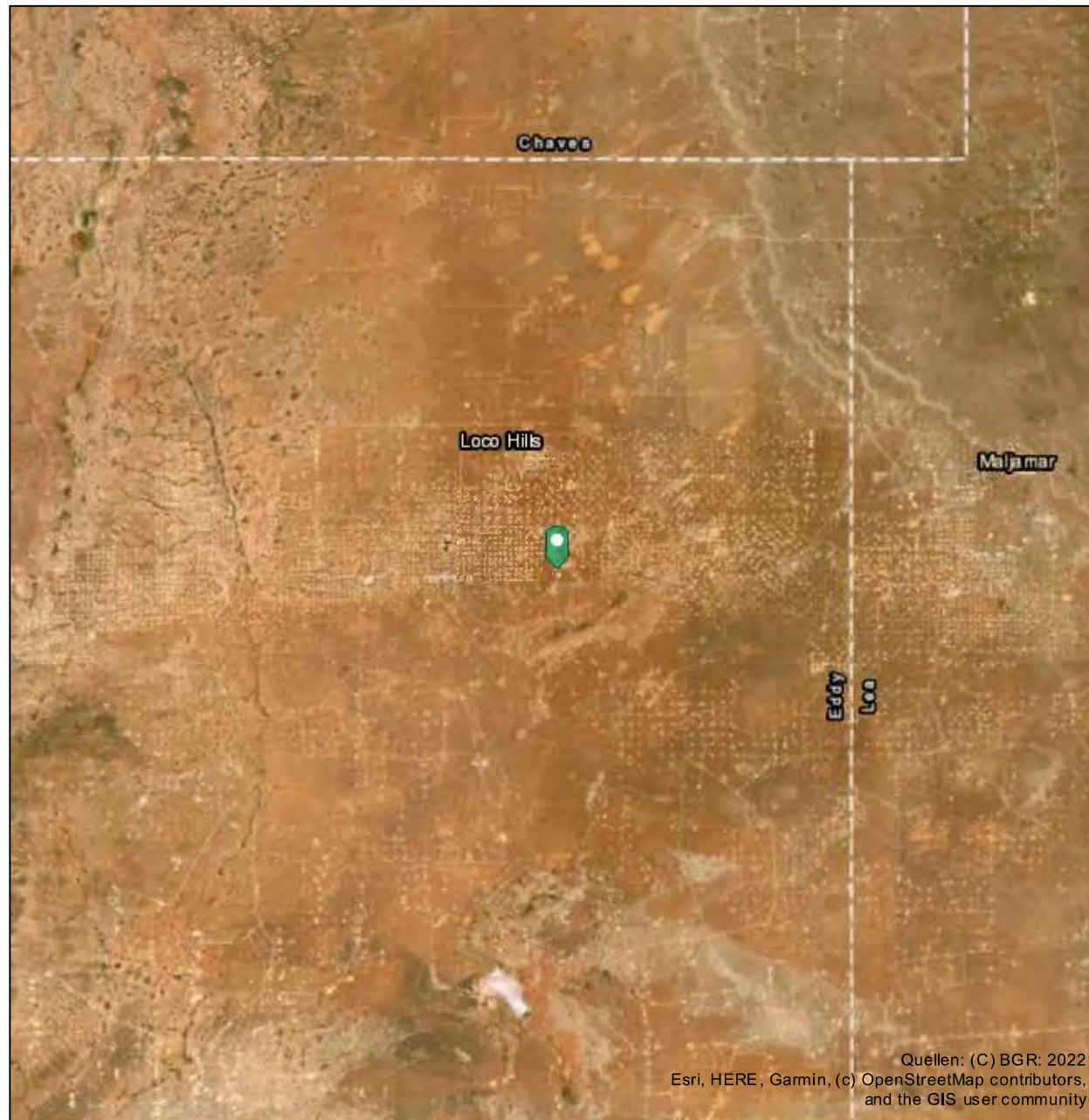
- = Sample not analyzed for that constituent.

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

## **Attachment I**

### **Karst and Wetland Maps**





### 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

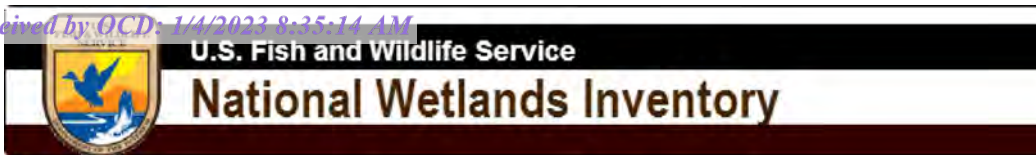
Selected city, partly dependent on groundwater

Boundary of continuous permafrost

Continuous ice sheet

### Karstifiable rocks (potential karst aquifer)










Gissler B2 4"



December 23, 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.

**Attachment II**  
**NMOCD Correspondence**  
**BLM Arch Clearance**

## Daniel Dominguez

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Tuesday, December 13, 2022 8:16 AM  
**To:** Daniel Dominguez  
**Cc:** Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD  
**Subject:** RE: [EXTERNAL] Closure Samples

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.

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



---

**From:** Daniel Dominguez <ddominguez@hungry-horse.com>  
**Sent:** Tuesday, December 13, 2022 6:17 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 collect closure samples at the Gissler B2 4" (nAPP2230130314) on Thursday, December 15, 2022, at 8 am.  
This is our 2 day notice.

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

**Daniel Dominguez**

---

**From:** Amber Groves <AGroves@durangomidstream.com>  
**Sent:** Tuesday, January 3, 2023 10:44 AM  
**To:** Daniel Dominguez  
**Subject:** FW: [EXTERNAL] Gissler B2 Initial C-141 & KMZ

---

**From:** BLM\_NM\_CFO\_REALTY\_Spill <blm\_nm\_cfo\_realty\_spill@blm.gov>  
**Sent:** Friday, November 11, 2022 5:05 PM  
**To:** Amber Groves <AGroves@durangomidstream.com>; CFO\_Spill, BLM\_NM <BLM\_NM\_CFO\_Spill@blm.gov>; Tucker, Shelly J <stucker@blm.gov>  
**Cc:** Chad Frost <Cfrost@durangomidstream.com>  
**Subject:** Re: [EXTERNAL] Gissler B2 Initial C-141 & KMZ

You are cleared to proceed with remedial activities.

**Please note:** In regard to ROW releases, please disregard the letter you may have received from the BLM about the reporting of ALL spills to [BLM\\_NM\\_CFO\\_Spill@blm.gov](mailto:BLM_NM_CFO_Spill@blm.gov). The individual that sent that notification out is in our lease department. That letter **only applies to releases on lease sites and not ROW sites.**

All ROW spills and releases (pipelines, layflat lines, flowlines that cross lease boundaries, commercial SWDs, pipeline compressor sites, etc) need to be sent directly to me at [stucker@blm.gov](mailto:stucker@blm.gov) and [BLM\\_NM\\_CFO\\_REALTY\\_SPILL@blm.gov](mailto:BLM_NM_CFO_REALTY_SPILL@blm.gov). (underscores \_ are in the spaces).

Only lease type spills (on pads, flowlines etc.) should be sent to the [BLM\\_NM\\_CFO\\_Spill@blm.gov](mailto:BLM_NM_CFO_Spill@blm.gov). So please **do not** send ROW spill notifications to the CFO\_Spill email. Emails being sent to that email has started to cause a lot of issues within our office.

The realty side of the BLM is bound under a completely different set of federal regulations and policies. The realty side is also not under the NTL3-A nor do we process Sundry's. I do need the NMOCD C-141, if you send me a BLM MUE form that is fine. I will also need KMZs, pictures, work plans etc.

You are not authorized to begin work without first speaking with me to clear you for initial entry (Archeology, botany, karst, hydrology, wildlife etc.) In some cases, you will need a TUP (Temporary Use Permit) to make changes outside of your approved ROW space. If you do, you will simply file a SF-299 and request a CX. You are authorized to enter the site to stop the release and to remove standing fluid, but you are not authorized to begin remediation activities until you have heard from me. If it is a major event and you need me to get on it quickly, please contact me and let me know.

I am currently working with the State to develop a spill reporting form for the realty side of the BLM. We may decide to use the MUE but at this time it is primarily used on the lease side of the BLM.

---

**From:** Amber Groves <AGroves@durangomidstream.com>  
**Sent:** Wednesday, November 2, 2022 6:31 PM  
**To:** CFO\_Spill, BLM\_NM <[BLM\\_NM\\_CFO\\_Spill@blm.gov](mailto:BLM_NM_CFO_Spill@blm.gov)>; Tucker, Shelly J <[stucker@blm.gov](mailto:stucker@blm.gov)>

Cc: Chad Frost <[Cfrost@durangomidstream.com](mailto:Cfrost@durangomidstream.com)>

Subject: [EXTERNAL] Gissler B2 Initial C-141 & KMZ

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

Good Afternoon,

Please find attached the initial C-141 and a KMZ for ARCH purposes. 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](https://www.durangomidstream.com/agroves@durangomidstream.com)

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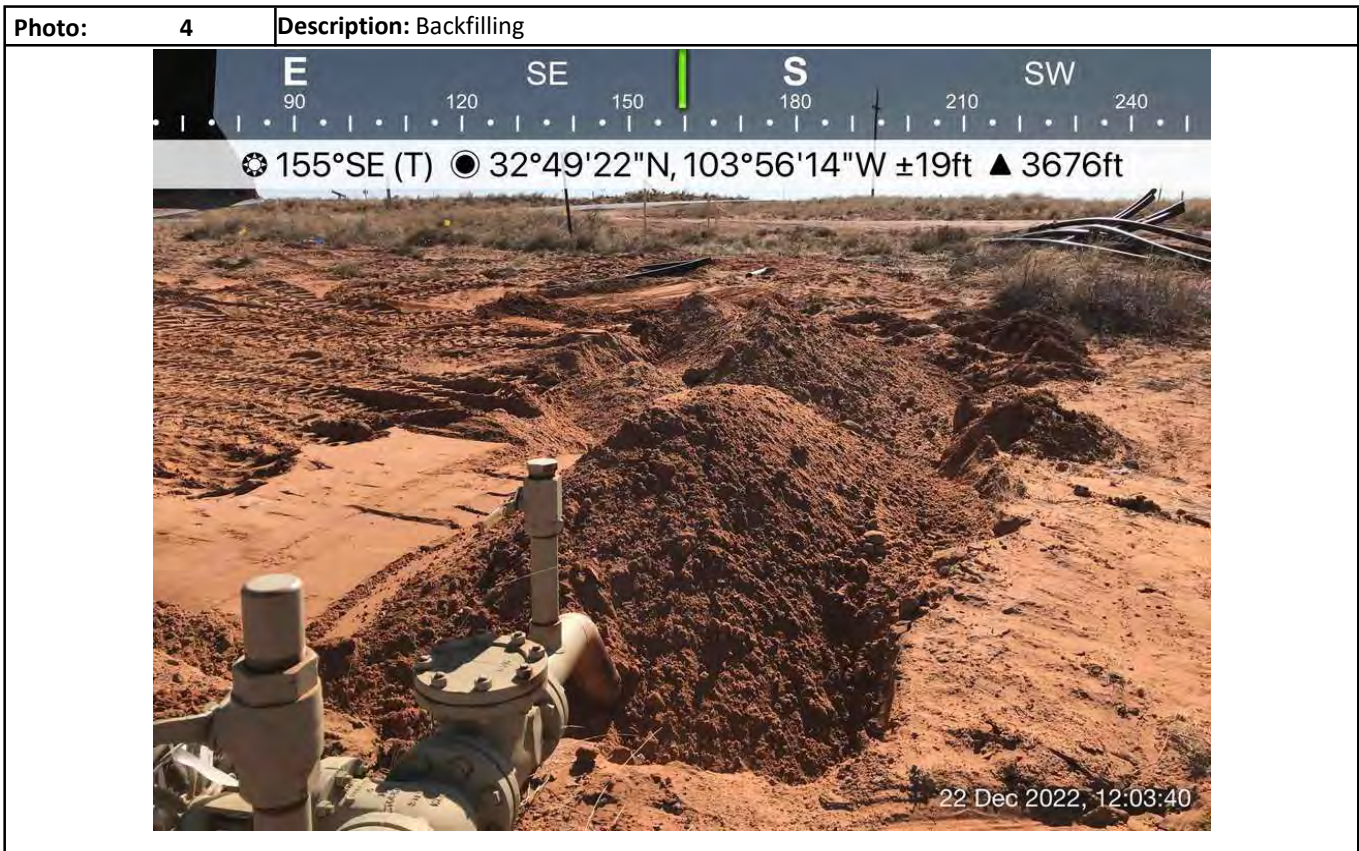
## **Attachment III Site Photographs**

## Photographs



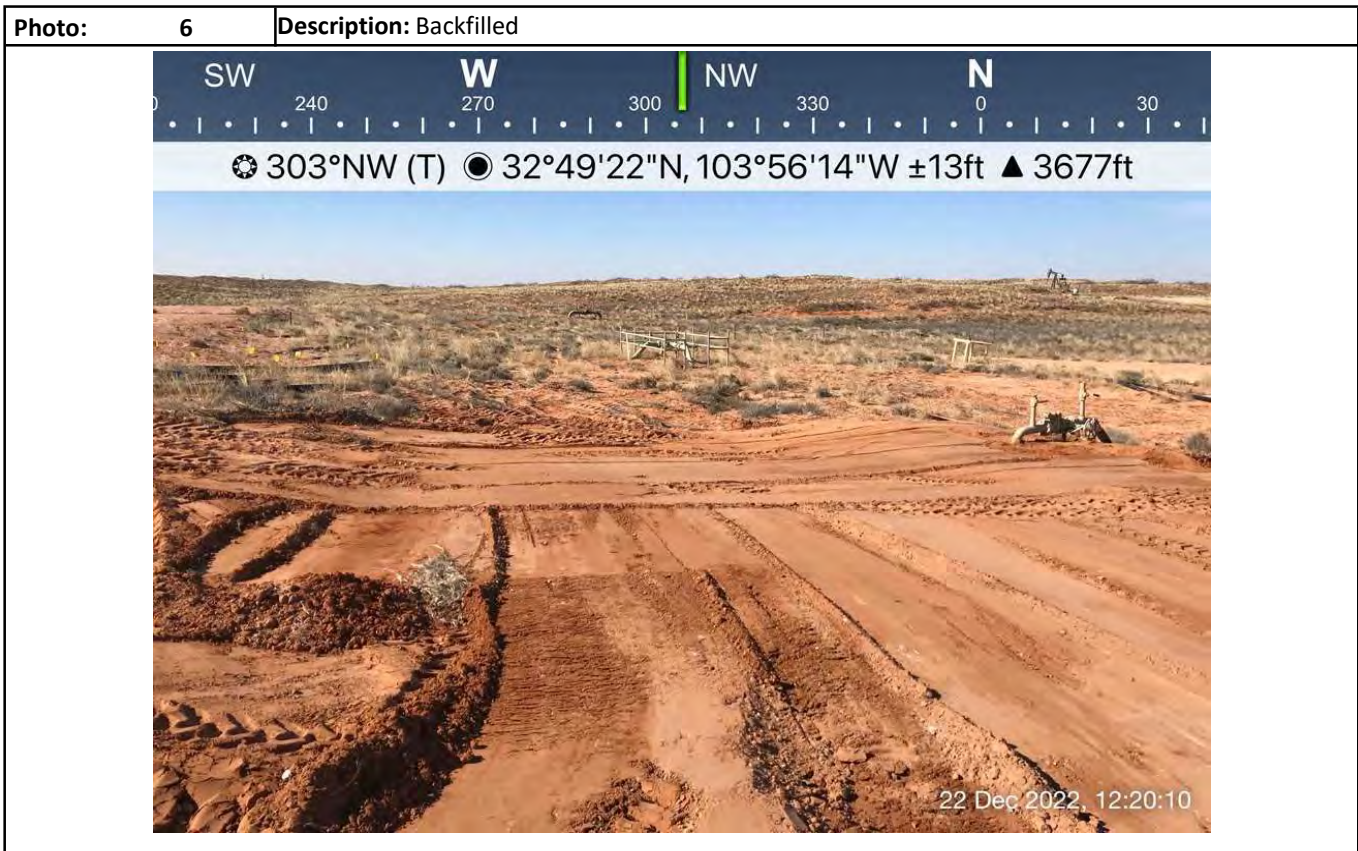


## Photographs





## 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): 599459.77      Northing (Y): 3632164.29      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.

12/23/22 11:54 AM

WELLS WITH WELL LOG INFORMATION

## **Attachment V**

### **Field Data**

Hungry Horse, LLC

## Sample Log

Project: Gissler B2 4"

Date: 4/11/2023

Latitude: 32.822994

Longitude: -103.937443

Sampler: Eli

Sample ID	Depth	PID/Odor	Chloride
HZ 1-Surf	Surf	N/A	<100
HZ 1-1'	1'	N/A	$1.8 = 43 \times 4 = 172$
HZ 2-Surf	Surf	N/A	$3.0 = 92 \times 4 = 368$
HZ 2-1'	1'	N/A	<100
HZ 3-Surf	Surf	N/A	$3.2 = 102 \times 4 = 408$
HZ 3-1'	1'	N/A	<del>100</del> <100
HZ 4-Surf	Surf	N/A	$2.4 = 65 \times 4 = 260$
HZ 4-1'	1'	N/A	<100
SP1-Surf	Surf	TPH	$1.8 = 43 \times 4 = 172$
SP1-5'	5'	TPH	$2.8 = 82 \times 4 = 328$
FL1-5'	5'	N/A	<100
SW1-2'	2'	N/A	$3.6 = 125 \times 4 = 500$

## **Attachment VI**

### **Laboratory Analytical Reports**



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

---

December 14, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GISSLER B2 4"

Enclosed are the results of analyses for samples received by the laboratory on 12/08/22 14:39.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: SP 1 - SURFACE (H225797-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.14	107	2.00	1.23	
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.7 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: SP 1 - 5' (H225797-02)**

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	12/12/2022	ND	2.14	107	2.00	1.23	
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	12/09/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.5 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 1 - SURFACE (H225797-03)**

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	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.8 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 1 - 1' (H225797-04)**

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	12/12/2022	ND	2.14	107	2.00	1.23	
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50	
Total BTX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	12/09/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	QM-07
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	QM-07
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.9 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 2 - SURFACE (H225797-05)**

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	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.7 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 2 - 1' (H225797-06)**

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	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.9 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 3 - SURFACE (H225797-07)**

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	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	83.1	200	4.63	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.9 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 3 - 1' (H225797-08)**

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	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEX	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	182	90.8	200	3.85	QM-07
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	QM-07, QR-03
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 4 - SURFACE (H225797-09)**

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	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEx	<0.300	0.300	12/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.0 % 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: HZ 4 - 1' (H225797-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2022	ND	2.14	107	2.00	1.23		
Toluene*	<0.050	0.050	12/12/2022	ND	2.16	108	2.00	0.0144		
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.15	107	2.00	1.91		
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.59	110	6.00	1.50		
Total BTEx	<0.300	0.300	12/12/2022	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	12/09/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 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-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



## Page 13 of 13

Released to Imaging: 4/11/2023 11:48:29 AM



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December 20, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: GISSLER B2 4"

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 13:14.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/20/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: FL 1 - 5' (H225928-01)**

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.04	102	2.00	2.71	
Toluene*	<0.050	0.050	12/19/2022	ND	2.15	108	2.00	2.45	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.15	107	2.00	0.165	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.56	109	6.00	0.549	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	12/19/2022	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	12/20/2022	ND	219	109	200	0.677	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	227	114	200	7.78	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.7 % 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:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/20/2022	Sampling Type:	Soil
Project Name:	GISSLER B2 4"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	FRONTIER - UL/H SEC 23 T17S - R30E		

**Sample ID: SW 1 - 2' (H225928-02)**

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	12/19/2022	ND	2.04	102	2.00	2.71		
Toluene*	<0.050	0.050	12/19/2022	ND	2.15	108	2.00	2.45		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.15	107	2.00	0.165		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.56	109	6.00	0.549		
Total BTX	<0.300	0.300	12/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	12/19/2022	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	12/20/2022	ND	219	109	200	0.677	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	227	114	200	7.78	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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---

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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 "C. D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager

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

## 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	nAPP2230130314
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Frontier Field Services, LLC	OGRID 221115
Contact Name Amber Groves	Contact Telephone 575-703-7992
Contact email <a href="mailto:agroves@durangomidstream.com">agroves@durangomidstream.com</a>	Incident # (assigned by OCD)
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

### Location of Release Source

Latitude 32.822987 Longitude -103.937495  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mal 13-3-3	Site Type Pipeline
Date Release Discovered 10/27/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
H	23	17S	30E	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) 166.58	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
Poly pipeline failure at fuse. Underground pipeline release with soil impact.

Incident ID	nAPP2230130314
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

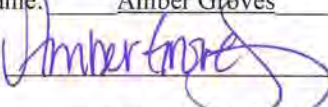
*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Amber Groves Title: Remediation Specialist  
Signature:  Date: 10/27/2022  
email: agroves@durangomidstream.com Telephone: (575)703-7992

#### OCD Only

Received by: Jocelyn Harimon Date: 10/28/2022



## Gas Volume Release Report

Gas Release Volume Calculator		
Date:	10/27/2022	
Site or Line Name:	MAL-13-3-3 Gissler B2 4" Poly Line	
Area of Hole in Pipe:	0.25	square inches
Absolute Pressure:	49.5	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Actual Temperature:	50	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	
<b>Constants</b>		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - ACF	16.61	MACF
Volume of Gas - SCF	57.02	MSCF
<b>Notes</b>		
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 154566

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 154566
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	10/28/2022

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 172151

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 172151
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2230130314 MAL 13-3-3 GISSLER B2 4" POLY LINE, thank you. This closure is approved.	4/11/2023