



Remediation Summary and Closure Request

**Frontier Field Services, LLC
MAL 10-33 Siete 6" Steel Line
Lea County, New Mexico**

**Unit Letter "I", Section 18, Township 18 South, Range 32 East
Latitude 32.747034 North, Longitude 103.801475 West
NMOCD Incident # nAPP2213335346**

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

August 2022

Handwritten signature of Bradley Wells in black ink.

Bradley Wells
Project Manager
bwells@hungry-horse.com

Handwritten signature of Daniel Dominguez in black ink.

Daniel Dominguez
Environmental Manager
ddominguez@hungry-horse.com

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Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2213335346
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: [Signature] Date: 8/16/2022
 email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: _____ Date: _____

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: Jennifer Nobui Date: 08/17/2022
 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 I (NE/SE), Section 18, Township 18 South, Range 32 East, approximately 8 miles Southwest of Maljamar, in Lea County, New Mexico. The property is Federally owned. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active pipeline; Latitude 32.747034 North, Longitude 103.801475 West. The Initial NMOCD Form C-141 indicated that on May 10, 2022 approximately 8.88 bbls of condensate and 23.15 Mcf of natural gas were released due to internal and external corrosion on the pipeline. A crew was dispatched to the release site and the line was repaired. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

NMOCD Site Classification:

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

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

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



Delineation and Remediation Activities:

On July 8 and 18, 2022, Hungry Horse conducted an initial site assessment and a series of sampling events. During the sampling events, a test trench was advanced in the floor of the excavated area in an effort to determine the vertical extent of contamination. This sample location is identified by SP designation. In addition, test trenches 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 test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment IV, ten representative soil samples 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 July 14-15, 2022, the area excavated during pipeline repair activities was excavated to approximately six feet bgs. Soil impacted above the NMOCD Closure Criteria was excavated and stockpiled on-site, atop plastic, before transport to an NMOCD approved disposal facility.

The excavated area measured approximately twenty-seven feet in length, eighteen feet in width, and six feet in depth. During remediation activities approximately 252 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility. Manifests can be provided upon request.

On July 28, 2022, four composite confirmation soil samples were collected from the excavation floor and sidewalls, every 200 square feet and every 50 linear feet, respectively. Soil samples FL1, FL2, SW1, and SW2, 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.

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 MAL 10-33 Siete 6" Steel Line location, nAPP2213335346.

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
 MAL 10-33 Siete 6" Steel Line
 GPS: 32.747034, -103.801475
 Lea County

Legend:

- MAL 10-33 Siete 6" Steel Line Location



Drafted: dd
 Checked: bw
 Date: 7/8/22

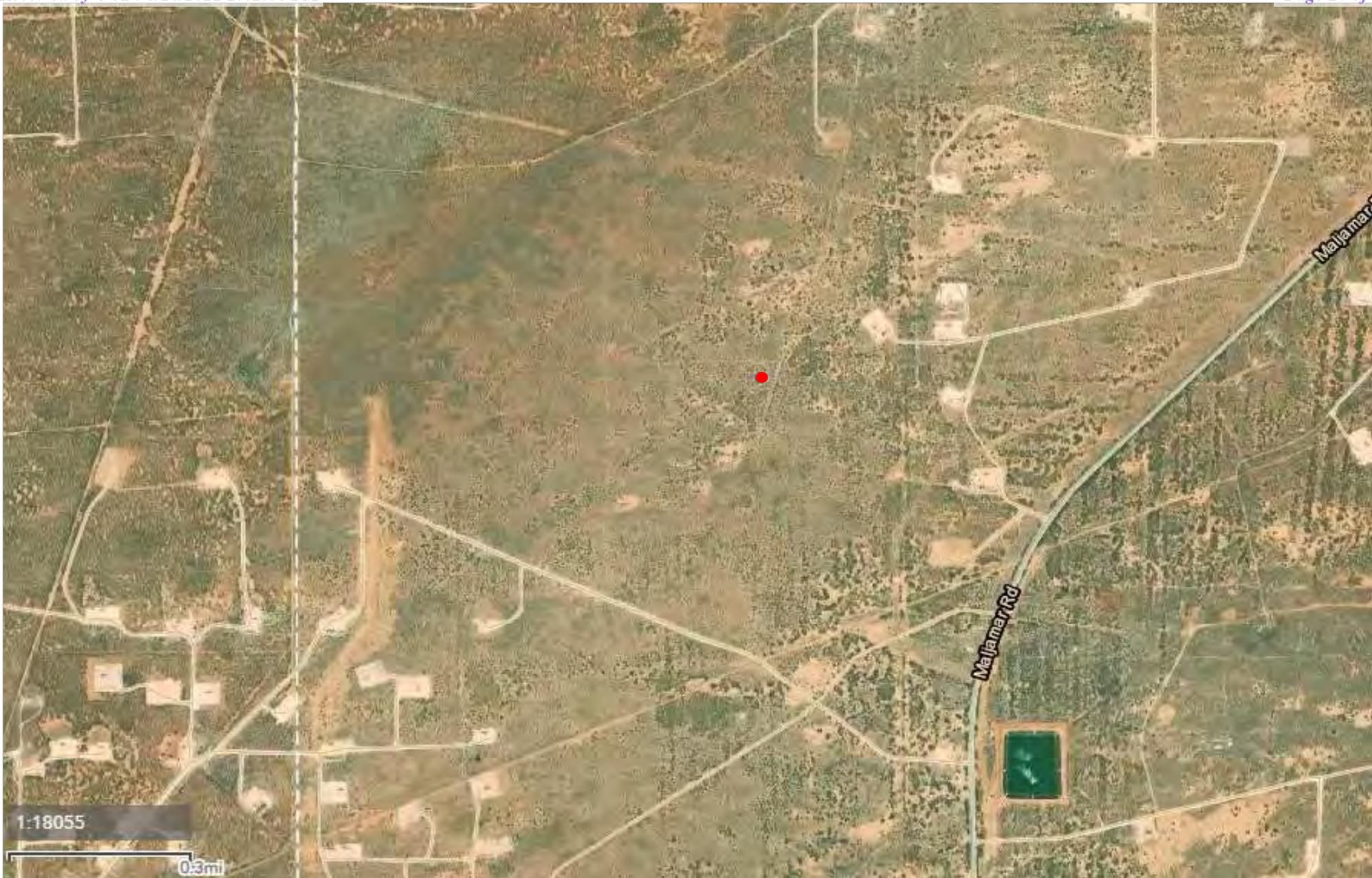


Figure 2

OSE POD Locations Map
 Frontier Field Services, LLC
 MAL 10-33 Siete 6" Steel Line
 GPS: 32.747034, -103.801475
 Lea County

Legend:

- MAL 10-33 Siete 6" Steel Line Location

Drafted: dd
 Checked: bw
 Date: 7/14/22





Figure 3

USGS Well Locations Map
Frontier Field Services, LLC
MAL 10-33 Siete 6" Steel Line
GPS: 32.747034, -103.801475
Lea County

Legend:

- MAL 10-33 Siete 6" Steel Line Location

Drafted: dd
Checked: bw
Date: 7/14/22





Figure 4

Delineation Sample Map
Frontier Field Services, LLC
MAL 10-33 Siete 6" Steel Line
GPS: 32.747034, -103.801475
Lea County

Legend:

-  Excavated Area
-  Delineation Sample Location

Drafted: dd
Checked: bw
Date: 7/14/22





Figure 5

Excavation Sample Map
Frontier Field Services, LLC
MAL 10-33 Siete 6" Steel Line
GPS: 32.747034, -103.801475
Lea County

Legend:

-  Excavated Area
-  Composite Confirmation Sample Location



Drafted: dd
Checked: bw
Date: 7/28/22

Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
MAL 10-33 Siete 6" Steel Line
NMOCD Ref. #: nAPP2213335346

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	7/18/22	Surf	Excavated	0.591	9.58	83.5	13,900	13,983.5	2,830	16,813.5	112.0
	7/18/22	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ1	7/18/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	7/18/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ2	7/18/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	7/18/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ3	7/18/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	7/18/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ4	7/18/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	7/18/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL1	7/28/22	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL2	7/28/22	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW1	7/28/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW2	7/28/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

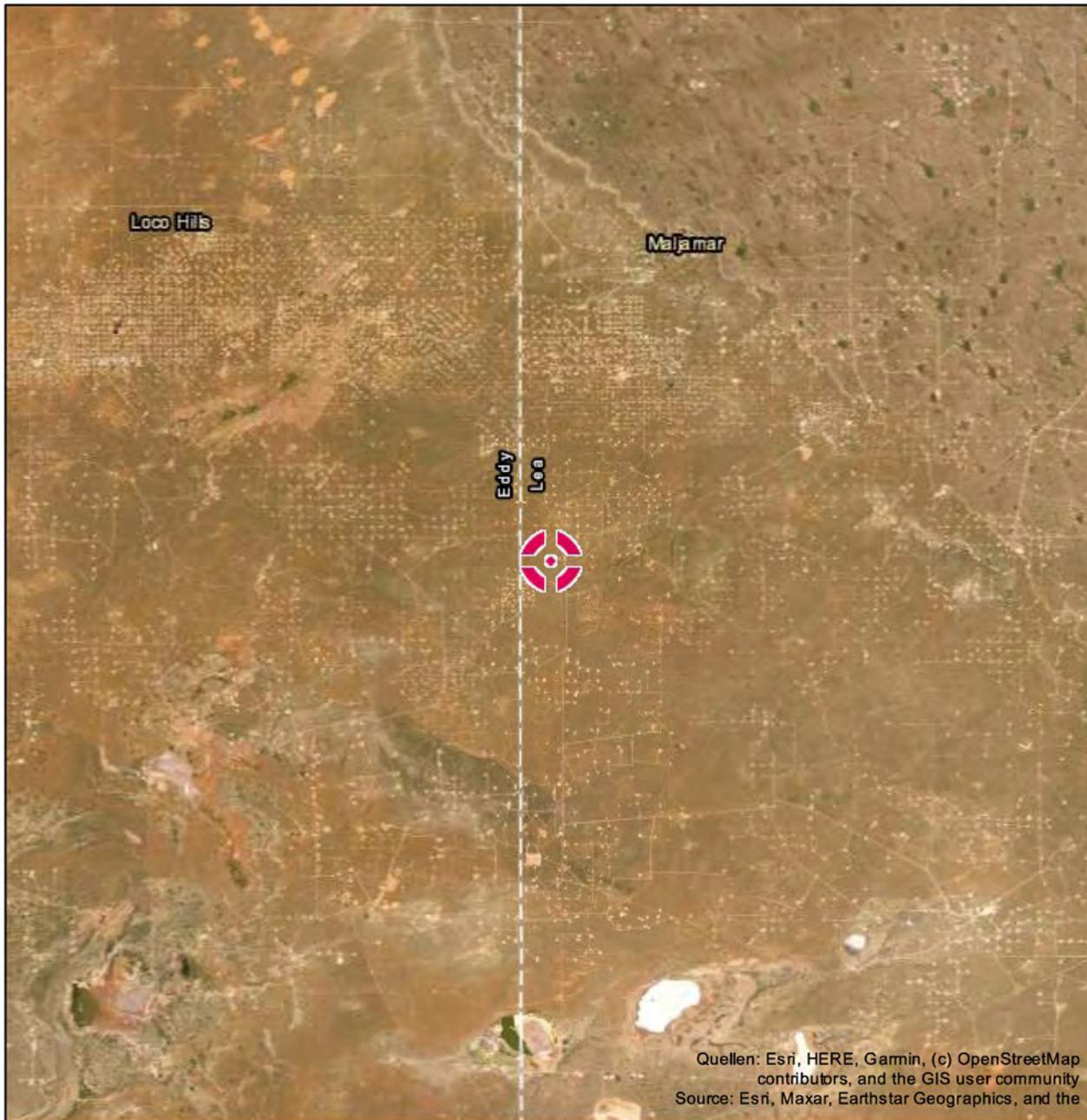
NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

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

- Discontinuous carbonate rocks
- Continuous evaporite rocks
- Discontinuous evaporite rocks
- Mixed carbonate and evaporite rocks

Water

- abstraction structure in karst aquifer
- Ω Cave systems

- ▲ Border between exposed and non-exposed karstifiable rocks

- Selected city, partly dependent on groundwater

- Boundary of continuous permafrost

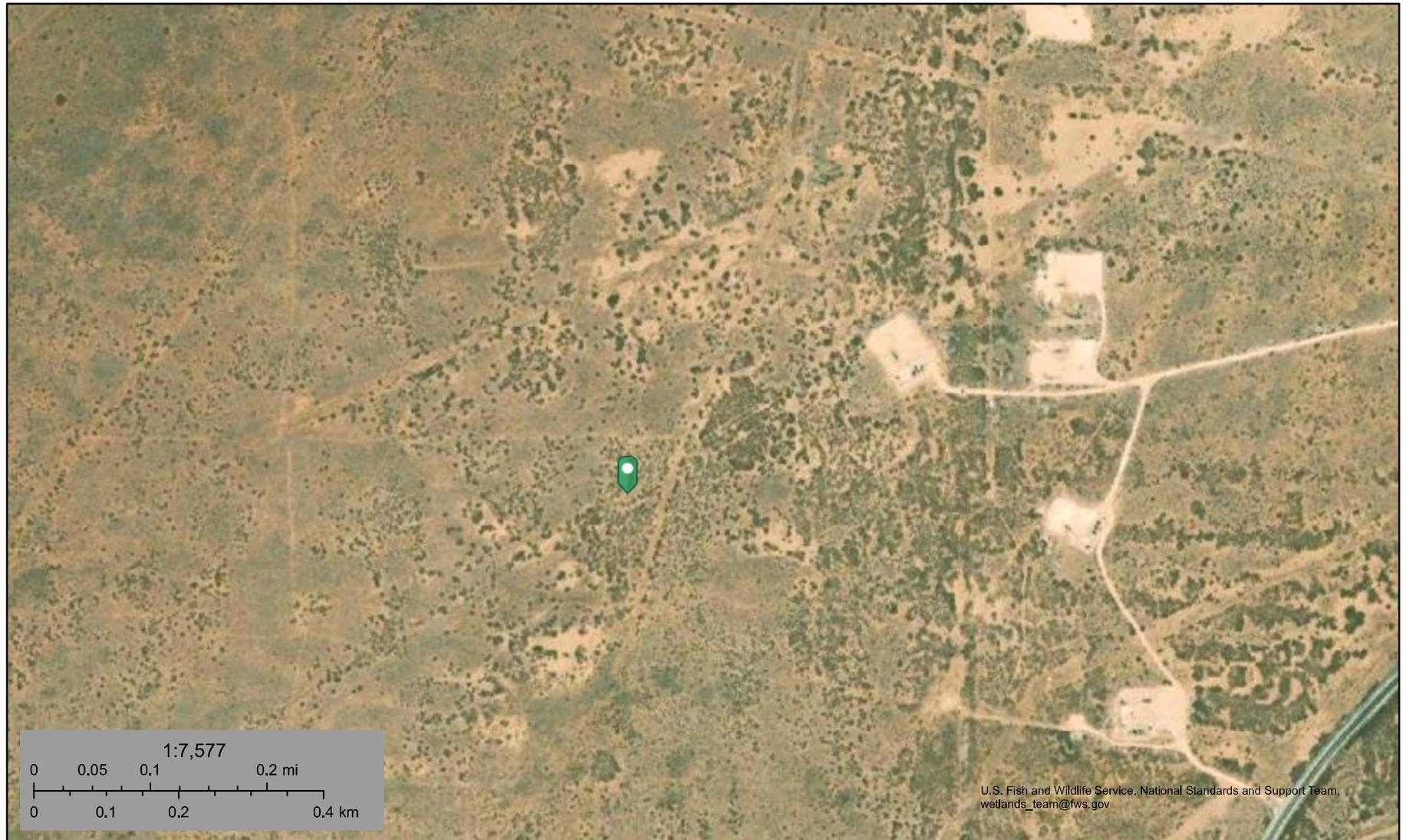
- Continuous ice sheet

Karstifiable rocks (potential karst aquifer)

- Continuous carbonate rocks



Wetlands



August 12, 2022

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Monday, July 25, 2022 12:12 PM
To: Daniel Dominguez
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] Closure Samples

Daniel

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

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Monday, July 25, 2022 11:17 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: Fw: [EXTERNAL] Closure Samples

From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Monday, July 25, 2022 11:16 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Subject: [EXTERNAL] Closure Samples

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

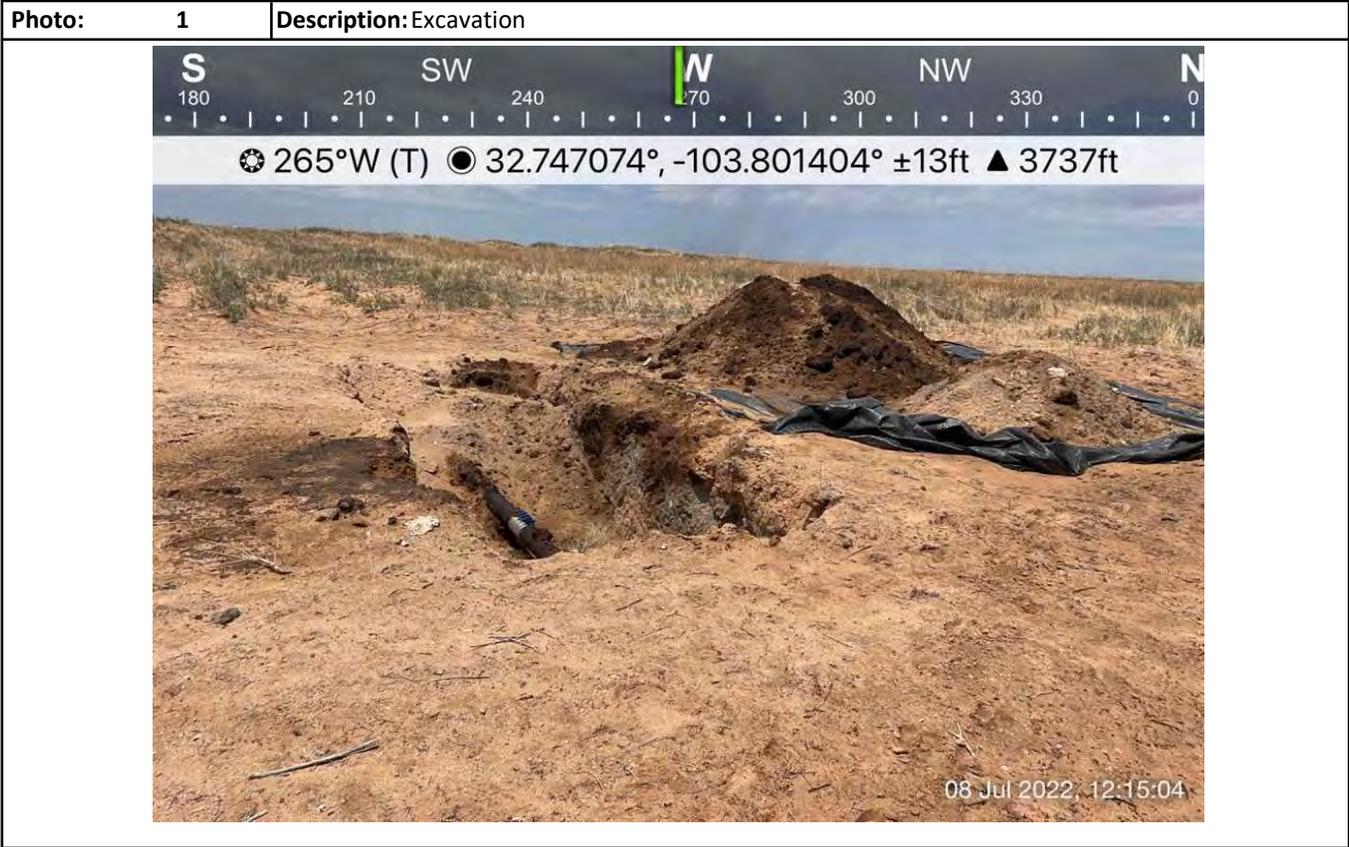
We will be collecting closure samples at the MAL 10-33 Siete (nAPP2213335346) on Thursday, July 28, 2022 at 7 am. This is our 48 hour notice.

Thank you,

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

Attachment III Site Photographs

Photographs



Photographs



Photographs



Photographs

Photo:	7	Description: Backfilled
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Noreste Elevación

☉ 247°SW (T) • 32.747126, -103.801386 ±4 m ▲ 1120 m



03 ago 2022, 09:32:45

Photo:	8	Description: Backfilled
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Suroeste Elevación

☉ 50°NE (T) • 32.746987, -103.801606 ±3 m ▲ 1119 m



03 ago 2022, 09:33:32

Attachment IV Depth to Groundwater



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

No wells found.

UTMAD83 Radius Search (in meters):

Easting (X): 612283.37

Northing (Y): 3623879.53

Radius: 805

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

7/14/22 10:40 AM

WELLS WITH WELL LOG INFORMATION

Attachment V Field Data

Hungry Horse, LLC

Sample Log

Date: 7/18/20

Project: MAL 10-33 Siete

Latitude: 32.74718

Longitude: -103.80137

Sampler: B. Wells

Sample ID	Depth	PID/Odor	Chloride	GPS
H21 - Surf	surf	N/A	>100	L2b
H21	1'	N/A	>100	L2b
H22	surf	N/A	>100	L2b
H22	1'	N/A	1.8 = 38 x 4 = 152	L2b
H23	surf	N/A	>100	L2b
H23	1'	N/A	>100	L2b
H24	surf	N/A	>100	L2b
H24	1'	N/A	>100	L2b
<hr/>				
Sp1	surf	TPH	4.0 = 145 x 4 = 580	L2b
Sp1	1'	TPH	3.4 = 109 x 4 = 436	
Sp1	2'	TPH	5.2 = 235 x 4 = 940	
Sp1	3'	Possible	6.8 = 411 x 4 = 1644	
Sp1	4'	Possible	7.4 = 506 x 4 = 2024	
Sp1	5'	Odor/TPH	5.2H = 1143 x 4 = 4572	
Sp1	6'	Odor/TPH	4.8H = 974 x 4 = 3896	
Sp1	12'	N/A	>100	L2b

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment VI
Laboratory Analytical Reports



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

July 25, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MAL 10-33 SIETE

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 16:30.

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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: SP 1 - SURF (H223119-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.591	0.100	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	2.23	0.100	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	2.51	0.100	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	4.25	0.300	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	9.58	0.600	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	112	16.0	07/20/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	83.5	50.0	07/19/2022	ND	219	110	200	1.18		
DRO >C10-C28*	13900	50.0	07/19/2022	ND	227	114	200	3.70		
EXT DRO >C28-C36	2830	50.0	07/19/2022	ND						

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 606 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: SP 1 - 12' (H223119-02)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/20/2022	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	07/19/2022	ND	219	110	200	1.18	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	227	114	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 43-149

Surrogate: 1-Chlorooctadecane 85.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 1 - SURF (H223119-03)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	219	110	200	1.18	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	227	114	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 1 - 1' (H223119-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	48.0	16.0	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	219	110	200	1.18	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	227	114	200	3.70	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 117 % 43-149

Surrogate: 1-Chlorooctadecane 122 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 2 - SURF (H223119-05)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 43-149

Surrogate: 1-Chlorooctadecane 80.7 % 42.5-161

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Analytical Results For:

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

Received:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 2 - 1' (H223119-06)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 116 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 3 - SURF (H223119-07)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 3 - 1' (H223119-08)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 82.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 4 - SURF (H223119-09)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/18/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: HZ 4 - 1' (H223119-10)

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	07/20/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 43-149

Surrogate: 1-Chlorooctadecane 97.0 % 42.5-161

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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-04 The RPD for the BS/BSD was outside of historical limits.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name:	Hungry Horse LLC	P.O. #:	
Project Manager:	Daniel Dominguez	Company:	Frontier Field Services, LLC
Address:	PO Box 1058	Attn:	Amber Groves
City:	Hobbs	State:	NM
Phone #:	575 393-3386	Zip:	88241
Project #:		Address:	47 Conoco Rd
Project Name:	MAL 10-33 Siete	City:	Maljamar
Project Location:	UL/1 Sec 18 T18S - R32E	State:	NM
Sampler Name:	Bradley Wells	Zip:	88264
		Phone #:	575-703-7992
		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	SP1-Surf	G	1	X						7/18/22				
2	SP1-12'	G	1	X						7/18/22				
3	HZ1-Surf	G	1	X						7/18/22				
4	HZ1-1'	G	1	X						7/18/22				
5	HZ2-Surf	G	1	X						7/18/22				
6	HZ2-1'	G	1	X						7/18/22				
7	HZ3-Surf	G	1	X						7/18/22				
8	HZ3-1'	G	1	X						7/18/22				
9	HZ4-Surf	G	1	X						7/18/22				
10	HZ4-1'	G	1	X						7/18/22				

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Relinquished By:	<i>[Signature]</i>	Date:	7-18-22	Received By:	<i>[Signature]</i>
		Time:	16:30		
Delivered By: (Circle One)	2.9.25 C.O.D. #	Sample Condition	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>
Sampler - UPS - Bus - Other:	2.30 #113				

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

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

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



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

August 02, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MAL 10-33 SIETE

Enclosed are the results of analyses for samples received by the laboratory on 07/28/22 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: FL1 (H223342-01)

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	07/29/2022	ND	1.81	90.4	2.00	8.44	
Toluene*	<0.050	0.050	07/29/2022	ND	1.90	95.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.95	97.6	2.00	8.91	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.00	100	6.00	8.74	
Total BTEX	<0.300	0.300	07/29/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2022	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	08/01/2022	ND	226	113	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	229	115	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 67.3 % 43-149

Surrogate: 1-Chlorooctadecane 70.6 % 42.5-161

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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: FL2 (H223342-02)

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	07/29/2022	ND	1.81	90.4	2.00	8.44	
Toluene*	<0.050	0.050	07/29/2022	ND	1.90	95.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.95	97.6	2.00	8.91	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.00	100	6.00	8.74	
Total BTEX	<0.300	0.300	07/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/01/2022	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	08/01/2022	ND	226	113	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	229	115	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 43-149

Surrogate: 1-Chlorooctadecane 78.1 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: SW1 (H223342-03)

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	07/30/2022	ND	1.81	90.4	2.00	8.44	
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91	
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74	
Total BTEX	<0.300	0.300	07/30/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/01/2022	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	08/01/2022	ND	226	113	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	229	115	200	0.787	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 79.2 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/28/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	MAL 10-33 SIETE	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 18 T18S - R32E		

Sample ID: SW2 (H223342-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTEX	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/01/2022	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	08/01/2022	ND	225	113	200	1.94		
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44		
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND						

Surrogate: 1-Chlorooctane 78.8 % 43-149

Surrogate: 1-Chlorooctadecane 63.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #:
 Project Owner: Frontier Field Services, LLC
 Project Name: MAL 10-33 Stete
 Project Location: UL/1 Sec 18 T18S - R32E
 Sampler Name: Bradley Wells
 P.O. #:
 Company: Frontier Field Services, LLC
 Attn: Amber Groves
 Address: 47 Conoco Rd
 City: Mallamar
 State: NM Zip: 88264
 Phone #: 575-703-7992
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H723342			1			X					7/28/22		X	X	X	
	1 FL1	C	1			X					7/28/22		X	X	X	
	2 FL2	C	1			X					7/28/22		X	X	X	
	3 SW1	C	1			X					7/28/22		X	X	X	
	4 SW2	C	1			X					7/28/22		X	X	X	

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Relinquished By: *[Signature]* Date: 7-28-22
 Received By: *[Signature]* Date:
 Relinquished By: *[Signature]* Date:
 Received By: *[Signature]* Date:
 Delivered By: (Circle One) 0.1g C.O.C. Sample Condition Cool Intact Yes No
 Sampler - UPS - Bus - Other: -0.5g #113 Yes No

REMARKS:
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 Email results to: pm@hungry-horse.com
 agroves@durangomidstream.com

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

**Attachment VII
NMOCD Form Initial C-141**

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Incident ID	nAPP2213335346
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 32.74718 Longitude -103.80137
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mal 10-33 Siete	Site Type Pipeline
Date Release Discovered 5/10/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	18	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 checked="" type="checkbox"/> Condensate	Volume Released (bbls) 8.88	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 23.15	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Internal and external corrosion.

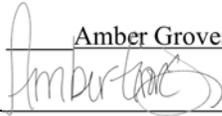
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2213335346
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Amber Groves</u> Title: <u>Remediation Specialist</u> Signature: <u></u> Date: <u>5/13/2022</u> email: <u>agroves@durangomidstream.com</u> Telephone: <u>(575)703-7992</u>
OCD Only Received by: <u>Jocelyn Harimon</u> Date: <u>05/13/2022</u>

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 134687

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 134687
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/17/2022