

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2216423721
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 GrovesTitle: Remediation SpecialistSignature: Date: 10/28/2022email: agroves@durangomidstream.comTelephone: 575-703-7992

OCD Only

Received by: Robert HamletDate: 1/12/2023

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 HamletDate: 1/12/2023Printed Name: Robert HamletTitle: Environmental Specialist - Advanced



Remediation Summary and Closure Request

Frontier Field Services, LLC

Skelly Inlet 18"

Eddy County, New Mexico

Unit Letter "K", Section 16, Township 17 South, Range 31 East

Latitude 32.833168 North, Longitude 103.878622 West

NMOCD Incident # nAPP2216423721

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

October 2022

Bradley Wells

Bradley Wells

Project Manager

bwells@hungry-horse.com

Daniel Dominguez

Daniel Dominguez

Environmental Manager

ddominguez@hungry-horse.com

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Printed Name: Amber GrovesTitle: Remediation SpecialistSignature: Date: 10/28/2022email: agroves@durangomidstream.comTelephone: 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: _____ Date: _____

Printed Name: _____

Title: _____



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 K (NE/SW), Section 16, Township 17 South, Range 31 East, approximately six miles northeast of Loco Hills, in Eddy County, New Mexico. The site is located on New Mexico State Trust 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 32.833168 North, Longitude 103.878622 West. The Initial NMOCD Form C-141 indicated that on June 12, 2022 approximately 22.25 bbls of condensate and 25.20 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. No fluid was recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VIII.

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 September 15, 2022, the NMCOD was contacted and a ninety-day extension was requested as the release area was outside Frontier's Right of Way on New Mexico State Trust Land. The extension allows time for an Archaeological review and Right-of-Entry permit. The NMOCD subsequently approved the ninety-day extension, moving the completion date to December 12, 2022. NMOCD correspondence is provided in Attachment II.

On October 7 and 10, 2022, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area, and a series of sampling events. During the sampling events, hand augered soil bores were advanced within the release area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, hand augered soil bores were advanced along the outside edges of the release area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the soil bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hanna® instruments DIST® 4 EC tester.

Based on field observations and field test data noted above and provided in Attachment V, twenty representative soil samples, two from each sample location, were selected for laboratory analysis. Delineation soil samples SP1 through SP4, HZ1 through HZ6, 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 through SP4 at Surface, which exhibited TPH and chloride concentrations in excess of the NMOCD Closure Criteria.

From October 11-13, 2022, the release area was excavated to approximately three feet bgs. Soil impacted above the NMOCD Closure Criteria was excavated and temporarily stockpiled on site, atop plastic, before transport to an NMOCD approved disposal facility.

The excavated area measured approximately one hundred forty feet in length, five to twenty-five feet in width, and three feet in depth. During remediation activities approximately 768 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility. Manifests can be provided upon request.

On October 14, 2022, seventeen composite confirmation soil samples were collected from the excavation floor and sidewalls, every 200 square feet and every 50 linear feet, respectively. Soil samples FL1 through FL10 and SW1 through SW7, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.



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 topsoil. The affected area was contoured and/or compacted to achieve erosion control, surface stability, and preserve surface water flow.

The affected area will be scarified to aid with infiltration, overall success of seed germination, and plant establishment. The affected area will then be seeded, via hand broadcast at double the recommended rate, with an NMSLO approved seed mixture, free of noxious weeds, during the first favorable growing season following these completed remediation activities. Site will also be monitored for growth and noxious weed management on a semi-annual basis until desired vegetation is achieved. NMSLO approved seed mix is provided as Attachment VII.

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 Skelly Inlet 18" location, nAPP2216423721.

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 State Land Office

914 N. Linam St.
Hobbs, NM 88240

Figures

**Figure 1**

Topographic Map

Frontier Field Services, LLC

Skelly Inlet 18"

GPS: 32.833168, -103.878622

Eddy County

Legend:

- Skelly Inlet 18" Location

Drafted: dd

Checked: bw

Date: 9/21/22



**Figure 2**

OSE POD Locations Map
Frontier Field Services, LLC
Skelly Inlet 18"
GPS: 32.833168, -103.878622
Eddy County

Legend:

- Skelly Inlet 18" Location

Drafted: dd
Checked: bw
Date: 9/21/22



**Figure 3**

USGS Well Locations Map
Frontier Field Services, LLC
Skelly Inlet 18"
GPS: 32.833168, -103.878622
Eddy County

Legend:

● Skelly Inlet 18" Location

Drafted: dd
Checked: bw
Date: 9/21/22



**Figure 4**

Delineation Sample Map
Frontier Field Services, LLC
Skelly Inlet 18"
GPS: 32.833168, -103.878622
Eddy County

Legend:

- Release Area
 SP1 Delineation Sample Location



Drafted: dd
Checked: bw
Date: 10/7/22



**Figure 5**

Excavation Sample Map
Frontier Field Services, LLC
Skelly Inlet 18"
GPS: 32.833168, -103.878622
Eddy County

Legend:

-  Excavated Area
 Composite Confirmation Sample Location

Drafted: dd
Checked: bw
Date: 10/14/22



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Skelly Inlet 18"
NMOCD Ref. #: nAPP2216423721

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	10/7/22	Surf	Excavated	<0.050	<0.300	<100	12,200	12,200	3,790	15,990	10,000
	10/10/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP2	10/7/22	Surf	Excavated	<0.050	<0.300	<100	6,360	6,360	2,180	8,540	1,440
	10/10/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP3	10/7/22	Surf	Excavated	<0.050	<0.300	<100	12,800	12,800	3,900	16,700	1,200
	10/10/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP4	10/7/22	Surf	Excavated	<0.050	<0.300	<100	5,310	5,310	1,600	6,910	3,760
	10/10/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ1	10/7/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	10/7/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ2	10/7/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	10/7/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ3	10/7/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	10/7/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	10/7/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	10/7/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ5	10/7/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	10/7/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ6	10/7/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	10/7/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL1	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL2	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL3	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL4	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL5	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL6	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL7	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL8	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL9	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL10	10/14/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW1	10/14/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	10/14/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW3	10/14/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW4	10/14/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW5	10/14/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW6	10/14/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW7	10/14/22	2	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

□ 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

— Discontinuous carbonate rocks

— Continuous evaporite rocks

— Discontinuous evaporite rocks

— Mixed carbonate and evaporite rocks



Skelly Inlet 18"



October 7, 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

Daniel Dominguez

From: Amber Groves <AGroves@durangomidstream.com>
Sent: Tuesday, October 25, 2022 8:56 AM
To: Daniel Dominguez
Subject: FW: nAPP2216423721 Frontier Field Services 18" Skelly Inlet Extension Request

From: Amber Groves
Sent: Thursday, September 15, 2022 2:01 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <Mike.Bratcher@state.nm.us>; Chad Frost <CFrost@durangomidstream.com>
Subject: nAPP2216423721 Frontier Field Services 18" Skelly Inlet Extension Request

Good Afternoon,

Frontier Field Services would like to respectfully request a 90 day extension for nAPP2216423721 18" Skelly Inlet. Impacts are outside of our ROW area and this is located on New Mexico State Trust Land. As such, Archeological review was required as well as a Right-of-Entry Request. We are waiting on the final signed ROE from SLO that should be here any day now. I apologize that I am a few days late with this request as well as I have two locations with the same name and got the release dates mixed up. Please feel free to give me a call with 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)

CONFIDENTIALITY NOTICE:

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Daniel Dominguez

From: Daniel Dominguez
Sent: Wednesday, October 12, 2022 8:32 AM
To: 'Enviro, OCD, EMNRD'
Subject: Closure Samples

We will collect closure samples at the 18" Skelly Inlet (nAPP2216423721) on Friday, October 14, 2022, at 7 am.
This is our 48 hour notice.

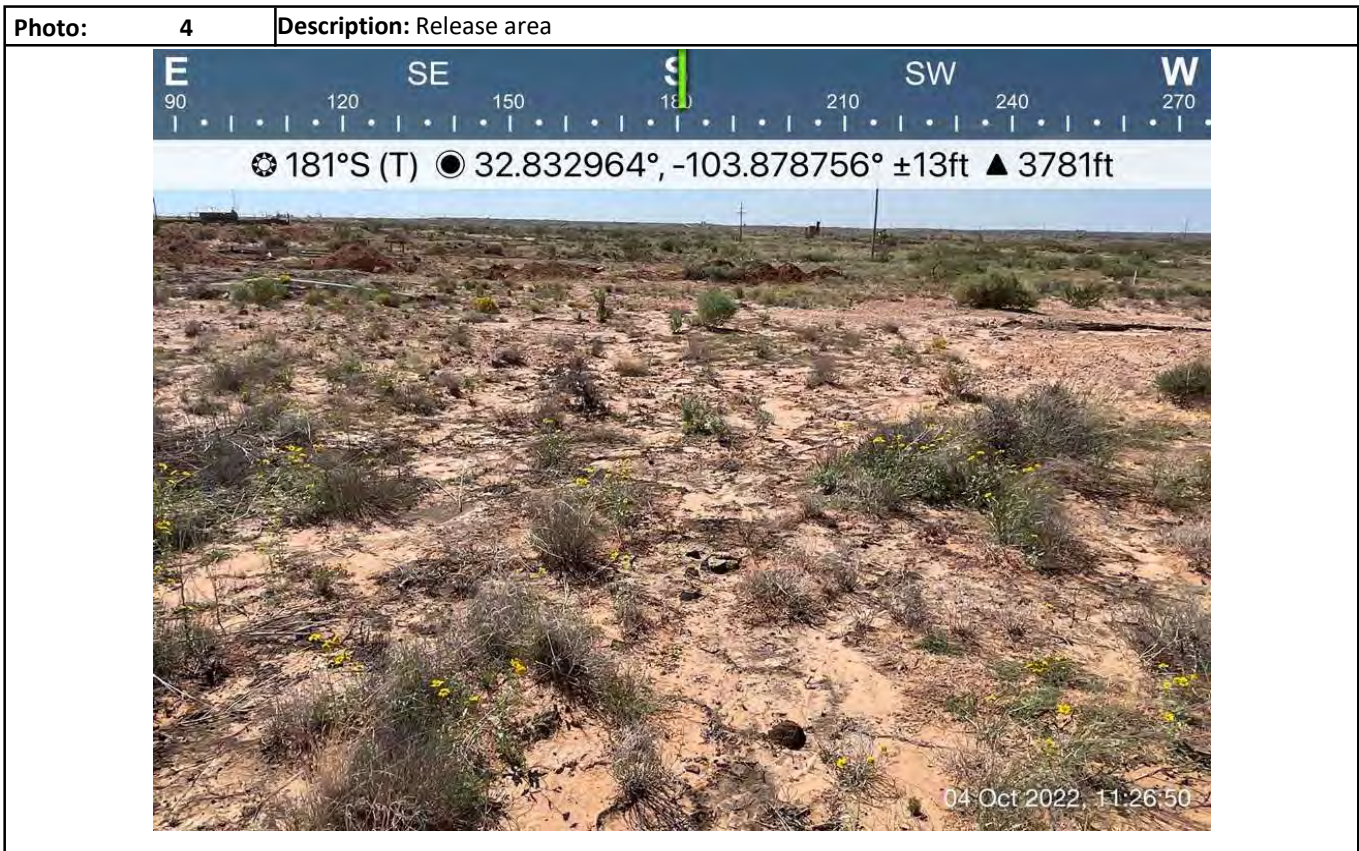
Daniel Dominguez
Environmental Manager
Hungry Horse, LLC
(mobile) 575-408-3134
ddominguez@hungry-horse.com

Attachment III Site Photographs

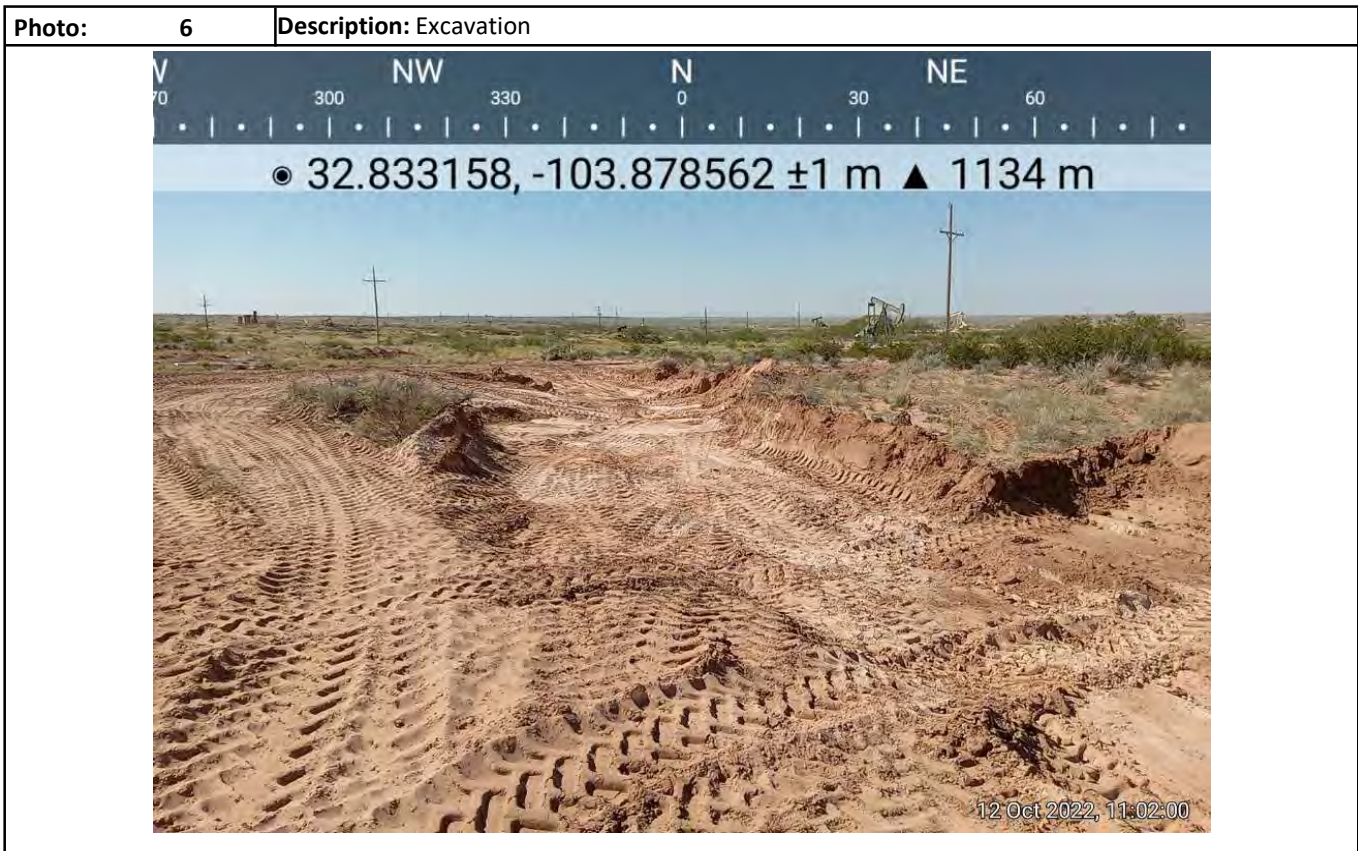
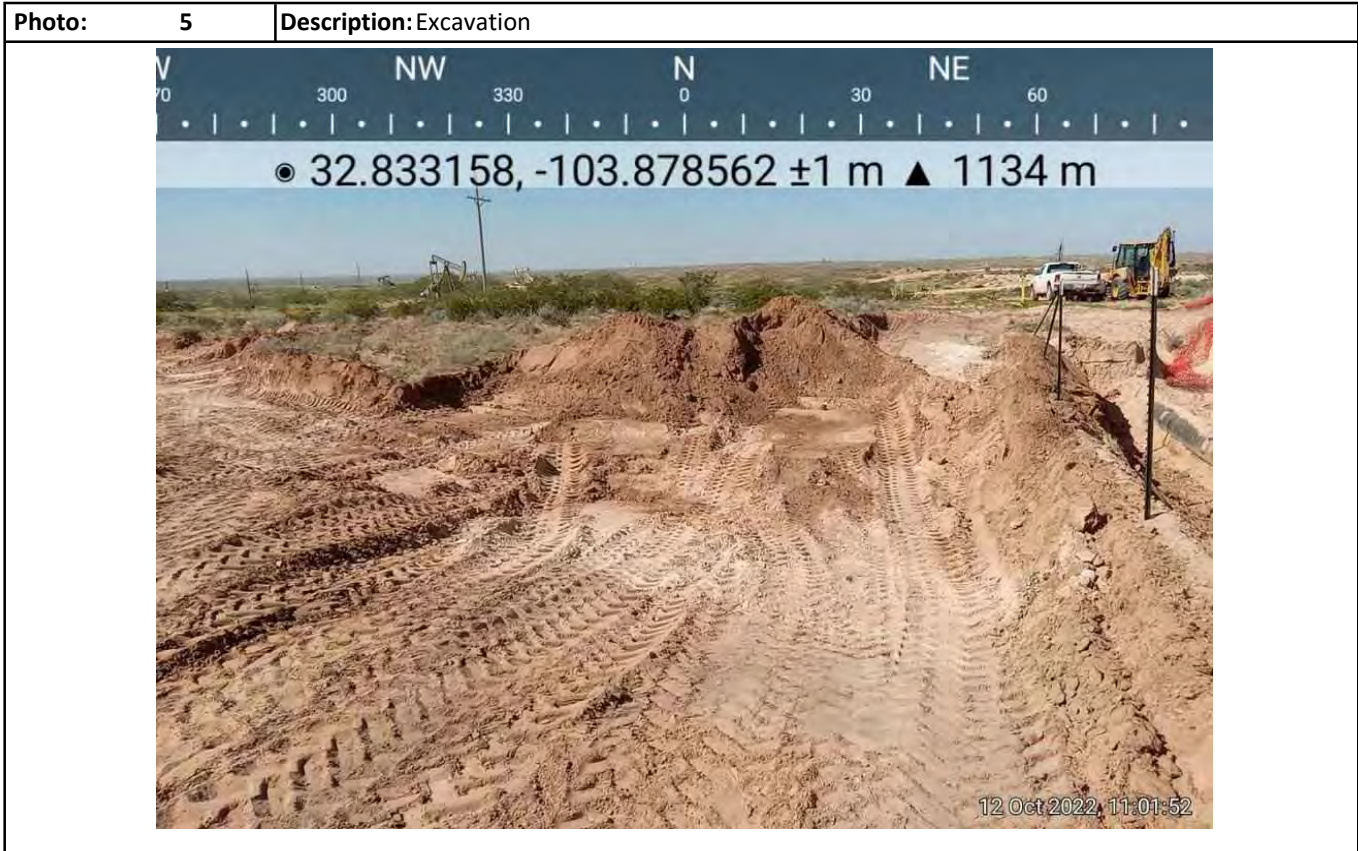
Photographs



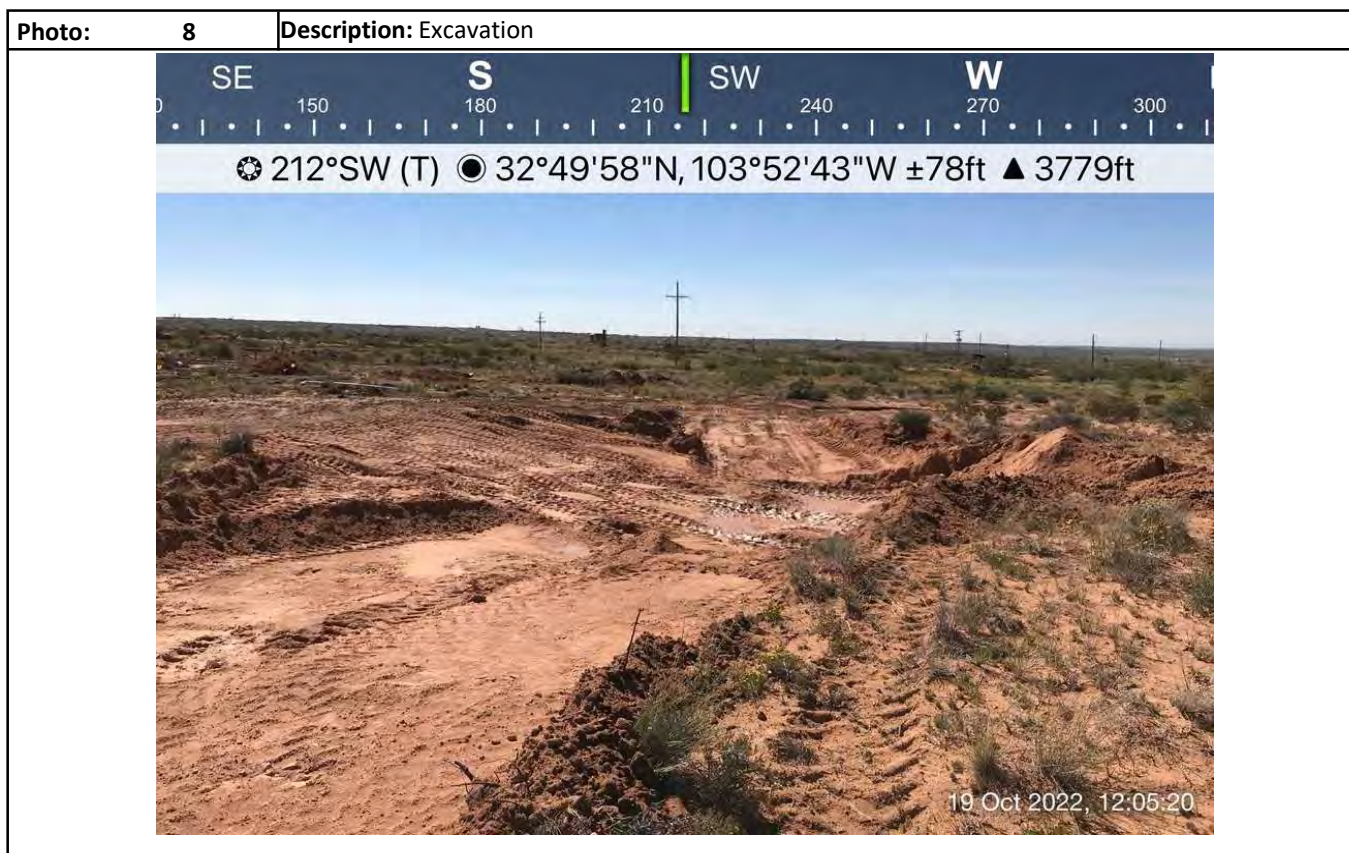
Photographs



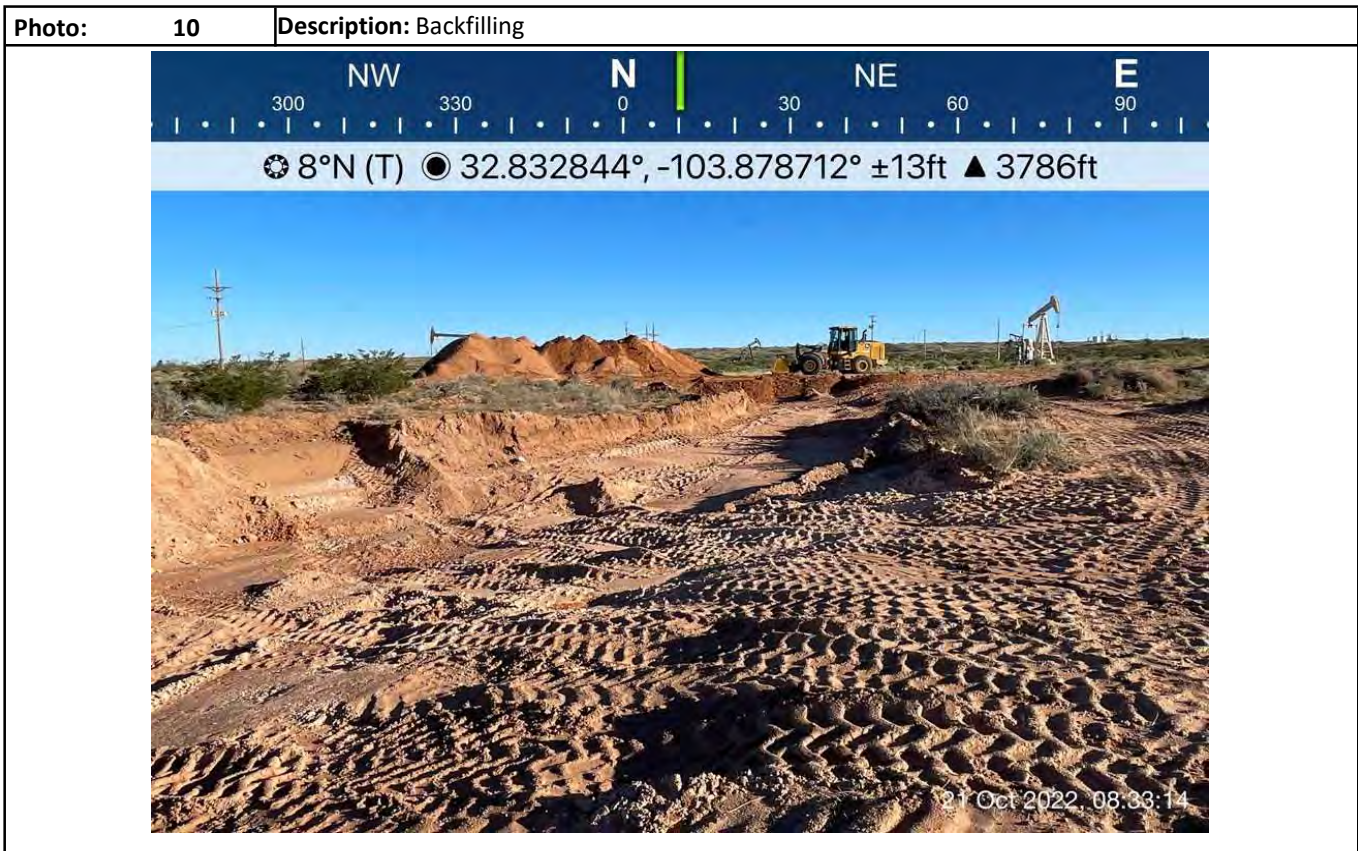
Photographs



Photographs



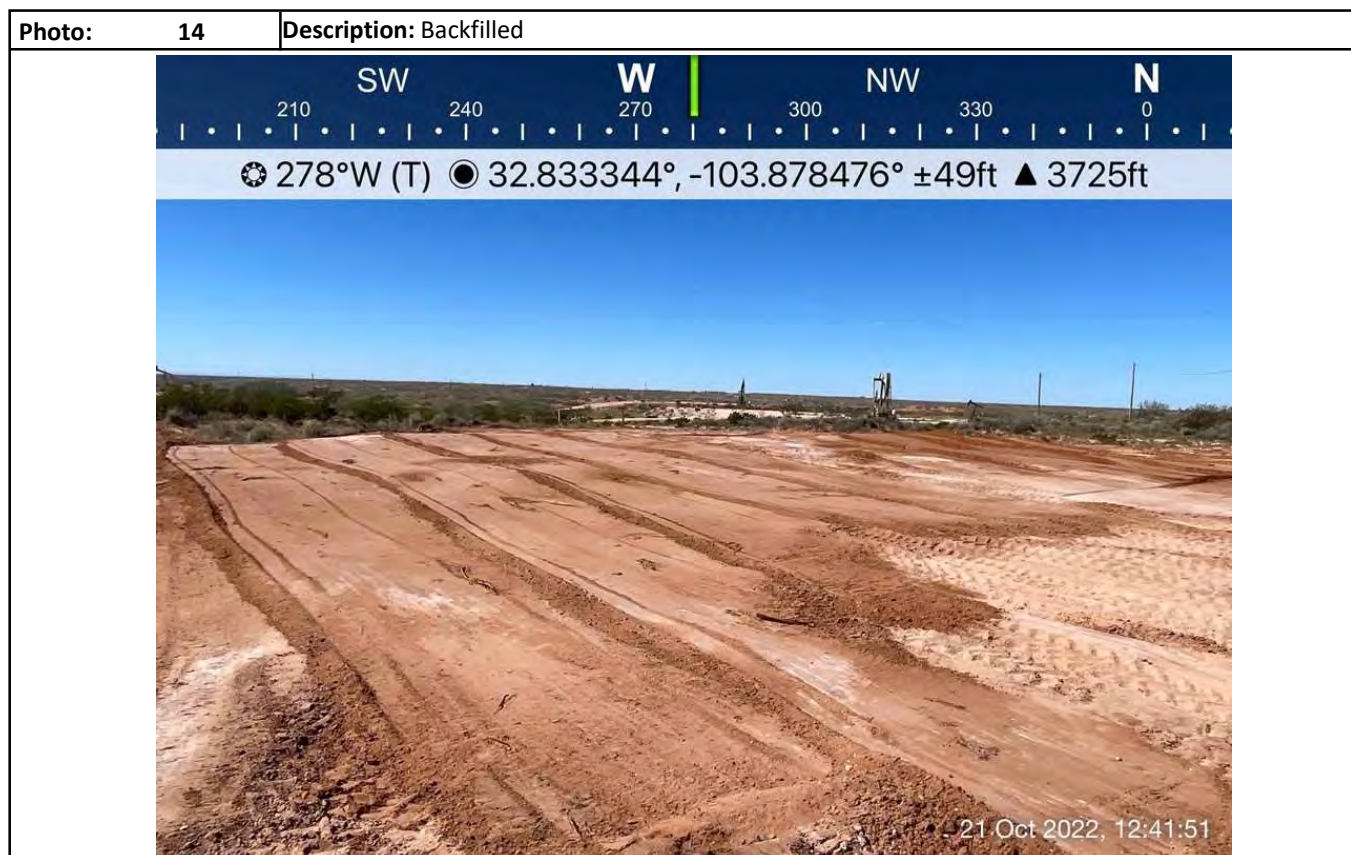
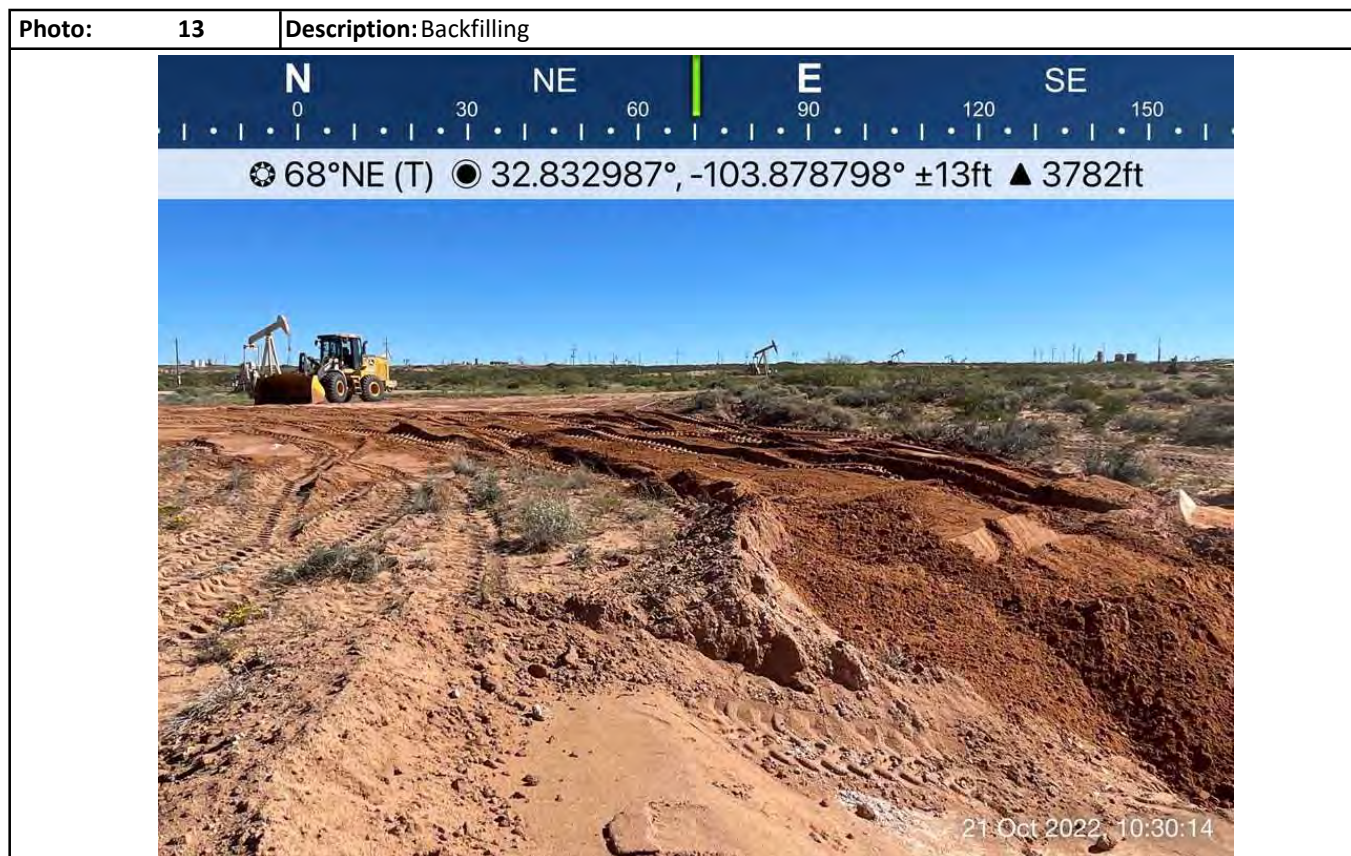
Photographs



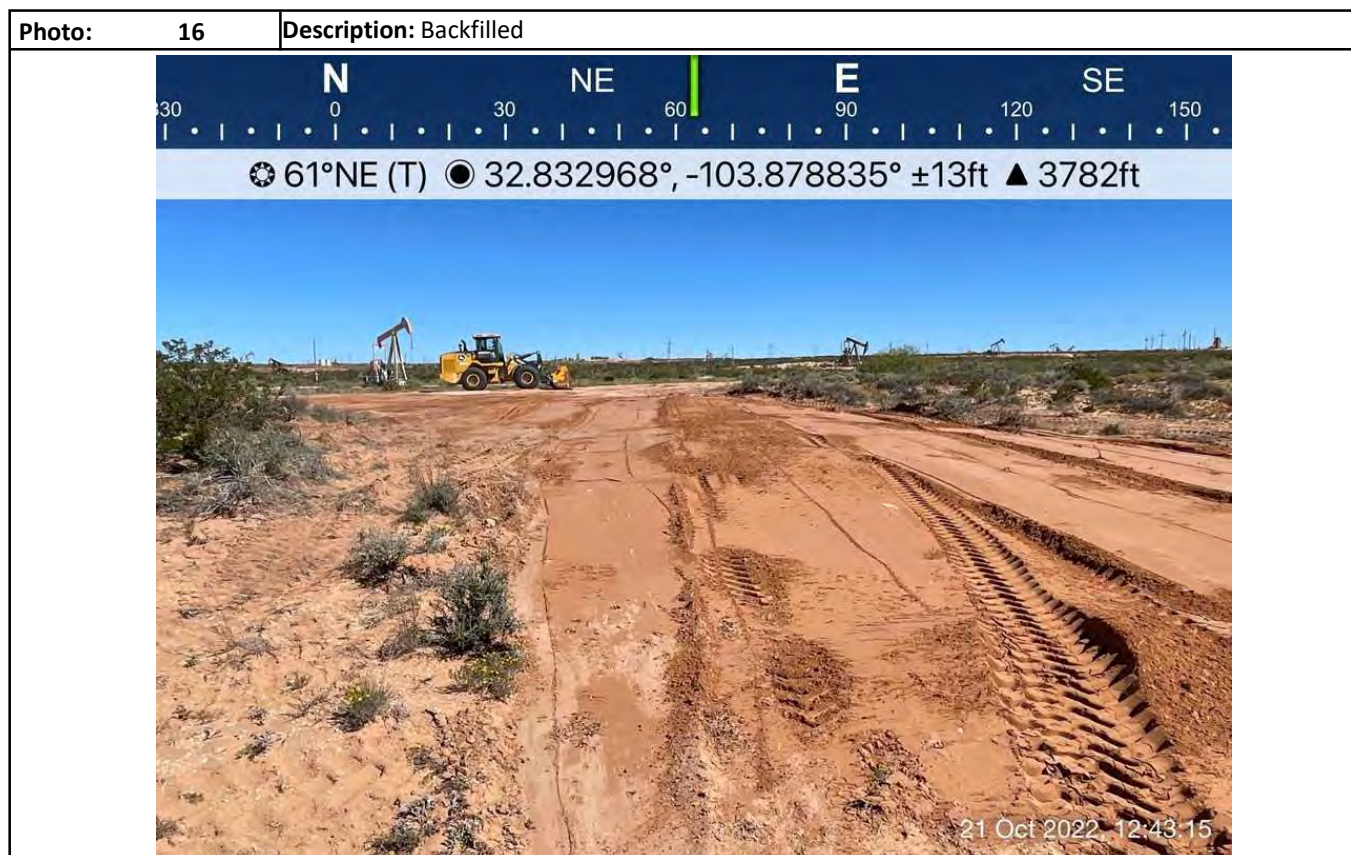
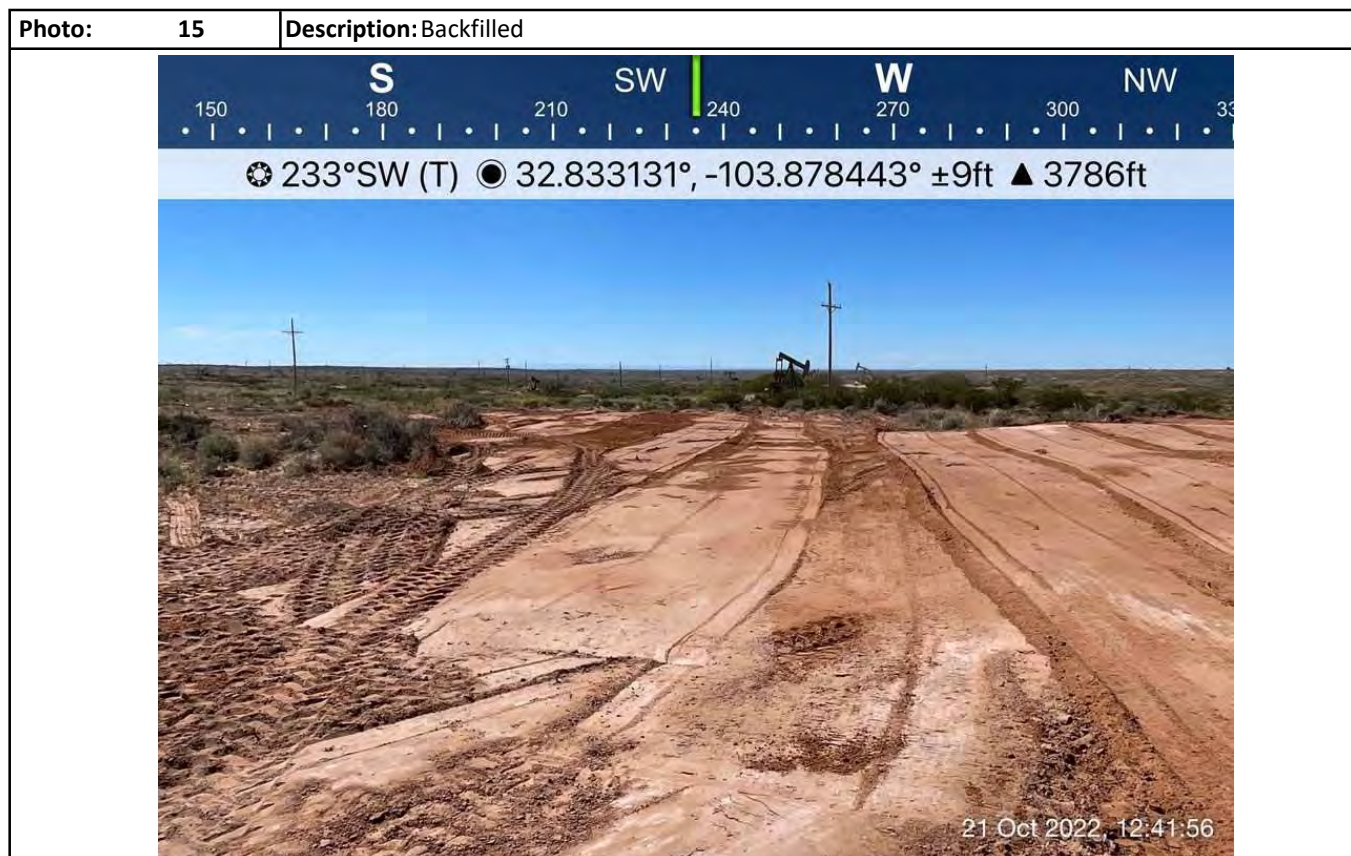
Photographs



Photographs



Photographs



Attachment IV

Depth to Groundwater



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 604953.94 **Northing (Y):** 3633349 **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.

10/21/22 12:16 PM

WELLS WITH WELL LOG INFORMATION

Attachment V

Field Data

Hungry Horse, LLC

Sample Log

Date: 10/17/22

Project: Skelly Inlet 18"

Latitude: 32.833168

Longitude: -103.878622

Sampler: Jorge Valeriano

Sample ID	Depth	PID/Odor	Chloride	GPS
SP1-Surf	Surf	TPH	$10.99 \times 1000 = 10,999$	
SP2-Surf	Surf	TPH	$2.0 \times 1000 = 2000$	
SP3-Surf	Surf	TPH	$.87 \times 1000 = 870$	
SP4-Surf	Surf	TPH	$3.54 \times 1000 = 3,574$	
HZ1-Surf	Surf	N/A	$.08 \times 1000 = 80$	
HZ1-1'	1'	N/A	$.07 \times 1000 = 70$	
HZ2-Surf	Surf	N/A	$.06 \times 1000 = 60$	
HZ2-1'	1'	N/A	$.07 \times 1000 = 70$	
HZ3-Surf	Surf	N/A	$.05 \times 1000 = 50$	
HZ3-1'	1'	N/A	$.05 \times 1000 = 50$	
HZ4-Surf	Surf	N/A	$.05 \times 1000 = 50$	
HZ4-1'	1'	N/A	$.04 \times 1000 = 40$	
HZ5-Surf	Surf	N/A	$.08 \times 1000 = 80$	
HZ5-1'	1'	N/A	$.07 \times 1000 = 70$	
HZ6-Surf	Surf	N/A	$.05 \times 1000 = 50$	
HZ6-1'	1'	N/A	$.05 \times 1000 = 50$	
Stockpile SP1		N/A	$.06 \times 1000 = 60$	
Stockpile SP2		N/A	$.06 \times 1000 = 60$	
Stockpile SP3		N/A	$.07 \times 1000 = 70$	
Stockpile SP4		N/A	$.10 \times 1000 = 100$	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Sample Log

Date: 15/10/23

Longitude: -103.878622

Sampler: Jorge Valeriano

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Hungry Horse, LLC

Sample Log

Date: 10/14/22Project: Skelly Inlet 18"Latitude: 32.833168Longitude: -103.878622Sampler: Jorge Valeriano

Sample ID	Depth	PID/Odor	Chloride	GPS
FL 1	3'	N/A	$.11 \times 1000 = 110$	
FL 2	3'	N/A	$.12 \times 1000 = 120$	
FL 3	3'	N/A	$.05 \times 1000 = 50$	
FL 4	3'	N/A	$.04 \times 1000 = 40$	
FL 5	3'	N/A	$2.2 = 57 \times 4 = 228$	
FL 6	3'	N/A	$2.0 = 50 \times 4 = 200$	
FL 7	3'	N/A	$2.0 = 50 \times 4 = 200$	
FL 8	3'	N/A	$2.0 = 50 \times 4 = 200$	
FL 9	3'	N/A	$2.8 = 83 \times 4 = 332$	
FL 10	3'	N/A	$2.8 = 83 \times 4 = 332$	
SW 1	2'	N/A	$.06 \times 1000 = 60$	
SW 2	2'	N/A	$.05 \times 1000 = 50$	
SW 3	2'	N/A	$.10 \times 1000 = 100$	
SW 4	2'	N/A	$.09 \times 1000 = 90$	
SW 5	2'	N/A	$.14 \times 1000 = 140$	
SW 6	2'	N/A	$.13 \times 1000 = 130$	
SW 7	2'	N/A	$.14 \times 1000 = 140$	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Reports



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

October 12, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SKELLY INLET 18"

Enclosed are the results of analyses for samples received by the laboratory on 10/07/22 12:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP 1 - SURF (H224720-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2022	ND	2.22	111	2.00	0.232	
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153	
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491	
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756	
Total BTX	<0.300	0.300	10/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	10000	16.0	10/11/2022	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*	<100	100	10/11/2022	ND	203	102	200	6.83		
DRO >C10-C28*	12200	100	10/11/2022	ND	214	107	200	6.07		
EXT DRO >C28-C36	3790	100	10/11/2022	ND						

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 364 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP 2 - SURF (H224720-02)

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	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTEx	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	1440	16.0	10/11/2022	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*	<100	100	10/11/2022	ND	203	102	200	6.83	
DRO >C10-C28*	6360	100	10/11/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	2180	100	10/11/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 202 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP 3 - SURF (H224720-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTEx	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 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	1200	16.0	10/11/2022	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*	<100	100	10/11/2022	ND	203	102	200	6.83		
DRO >C10-C28*	12800	100	10/11/2022	ND	214	107	200	6.07		
EXT DRO >C28-C36	3900	100	10/11/2022	ND						

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 327 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP 4 - SURF (H224720-04)

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	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTX	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 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	3760	16.0	10/11/2022	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*	<100	100	10/11/2022	ND	203	102	200	6.83	
DRO >C10-C28*	5310	100	10/11/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	1600	100	10/11/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 185 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 1 - SURF (H224720-05)

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	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTEx	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	10/11/2022	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	10/11/2022	ND	203	102	200	6.83	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 1 - 1' (H224720-06)

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	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTEx	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 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	10/11/2022	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	10/12/2022	ND	203	102	200	6.83	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.3 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 2 - SURF (H224720-07)

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	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTEx	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/11/2022	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	10/11/2022	ND	203	102	200	6.83	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 2 - 1' (H224720-08)

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	10/11/2022	ND	2.22	111	2.00	0.232		
Toluene*	<0.050	0.050	10/11/2022	ND	2.10	105	2.00	0.153		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.03	101	2.00	0.491		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.18	103	6.00	0.756		
Total BTEx	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	10/11/2022	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	10/11/2022	ND	203	102	200	6.83	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 99.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 3 - SURF (H224720-09)

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	10/11/2022	ND	1.95	97.4	2.00	1.84		
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72		
Total BTEx	<0.300	0.300	10/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/11/2022	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	10/11/2022	ND	203	102	200	6.83	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	214	107	200	6.07	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 3 - 1' (H224720-10)

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	10/11/2022	ND	1.95	97.4	2.00	1.84		
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72		
Total BTEx	<0.300	0.300	10/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/11/2022	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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 4 - SURF (H224720-11)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2022	ND	1.95	97.4	2.00	1.84	
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03	
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49	
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72	
Total BTX	<0.300	0.300	10/11/2022	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	10/11/2022	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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 4 - 1' (H224720-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2022	ND	1.95	97.4	2.00	1.84		
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72		
Total BTEx	<0.300	0.300	10/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/11/2022	ND	384	96.0	400	4.08		

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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 5 - SURF (H224720-13)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2022	ND	1.95	97.4	2.00	1.84	
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03	
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49	
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72	
Total BTEx	<0.300	0.300	10/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	10/11/2022	ND	384	96.0	400	4.08		

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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 5 - 1' (H224720-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2022	ND	1.95	97.4	2.00	1.84		
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72		
Total BTEx	<0.300	0.300	10/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/11/2022	ND	384	96.0	400	4.08		

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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 6 - SURF (H224720-15)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2022	ND	1.95	97.4	2.00	1.84	
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03	
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49	
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72	
Total BTX	<0.300	0.300	10/11/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/11/2022	ND	384	96.0	400	4.08		

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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 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:	10/07/2022	Sampling Date:	10/07/2022
Reported:	10/12/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: HZ 6 - 1' (H224720-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2022	ND	1.95	97.4	2.00	1.84		
Toluene*	<0.050	0.050	10/11/2022	ND	1.92	96.0	2.00	3.03		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	1.89	94.5	2.00	2.49		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	5.77	96.2	6.00	2.72		
Total BTEx	<0.300	0.300	10/11/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/11/2022	ND	384	96.0	400	4.08		

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	10/11/2022	ND	195	97.4	200	4.38	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	192	96.1	200	12.6	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 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

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

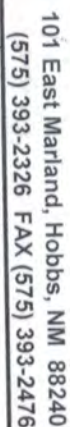
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Page 19 of 20

Released to Imaging: 1/12/2023 11:43:35 AM



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

October 14, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SKELLY INLET 18"

Enclosed are the results of analyses for samples received by the laboratory on 10/10/22 14:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/10/2022	Sampling Date:	10/10/2022
Reported:	10/14/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP1 (H224744-01)

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	10/13/2022	ND	2.13	107	2.00	1.84	
Toluene*	<0.050	0.050	10/13/2022	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/13/2022	ND	2.01	100	2.00	1.98	
Total Xylenes*	<0.150	0.150	10/13/2022	ND	6.12	102	6.00	1.78	
Total BTEX	<0.300	0.300	10/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	10/12/2022	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	10/12/2022	ND	203	101	200	0.862	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	208	104	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 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:	10/10/2022	Sampling Date:	10/10/2022
Reported:	10/14/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP2 (H224744-02)

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	10/13/2022	ND	2.13	107	2.00	1.84	
Toluene*	<0.050	0.050	10/13/2022	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/13/2022	ND	2.01	100	2.00	1.98	
Total Xylenes*	<0.150	0.150	10/13/2022	ND	6.12	102	6.00	1.78	
Total BTEx	<0.300	0.300	10/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 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	10/12/2022	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	10/12/2022	ND	203	101	200	0.862	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	208	104	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/10/2022	Sampling Date:	10/10/2022
Reported:	10/14/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP3 (H224744-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2022	ND	2.13	107	2.00	1.84	
Toluene*	<0.050	0.050	10/13/2022	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/13/2022	ND	2.01	100	2.00	1.98	
Total Xylenes*	<0.150	0.150	10/13/2022	ND	6.12	102	6.00	1.78	
Total BTEx	<0.300	0.300	10/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/12/2022	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	10/12/2022	ND	203	101	200	0.862	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	208	104	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.6 % 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:	10/10/2022	Sampling Date:	10/10/2022
Reported:	10/14/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SP4 (H224744-04)

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	10/13/2022	ND	2.13	107	2.00	1.84	
Toluene*	<0.050	0.050	10/13/2022	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/13/2022	ND	2.01	100	2.00	1.98	
Total Xylenes*	<0.150	0.150	10/13/2022	ND	6.12	102	6.00	1.78	
Total BTEx	<0.300	0.300	10/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 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	10/12/2022	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	10/12/2022	ND	203	101	200	0.862	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	208	104	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.3 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC				BILL TO				ANALYSIS REQUEST			
Project Manager: Daniel Dominguez				P.O. #:							
Address: PO Box 1058				Company: Frontier Field Services, LLC							
City: Hobbs		State: NM		Zip: 88241		Attn: Amber Groves					
Phone #: 575 393-3386		Fax #:		Address: 47 Comoco Rd		City: Maljamar					
Project #:		Project Owner: Skelly Inlet 18"		State: NM		Zip: 88264					
Project Location: UL/ K Sec 16 T17S - R31E		Phone #: 575-703-7992		Fax #:							
Sampler Name: Jorge Valeriano											

Lab I.D.		Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H224744																
1	SP1		G	1	X							10/10/22		X	X	X
2	SP2		G	1	X							10/10/22		X	X	X
3	SP3		G	1	X							10/10/22		X	X	X
4	SP4		G	1	X							10/10/22		X	X	X

Relinquished By: <u>Jorge Valeriano</u>		Date: <u>10/10/22</u>	Received By: <u>Amber Groves</u>
Time: <u>7:35</u>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>296/2.36</u>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		CHECKED BY: <u>YB</u>	

REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Email results to: pm@hungry-horse.com agroves@durangomidstream.com		



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

October 20, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SKELLY INLET 18"

Enclosed are the results of analyses for samples received by the laboratory on 10/14/22 15:38.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 1 (H224857-01)

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	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTEX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 2 (H224857-02)

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	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 3 (H224857-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.4 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 4 (H224857-04)

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	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

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Analytical Results For:

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

Received:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 5 (H224857-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.3 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 6 (H224857-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.5 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 7 (H224857-07)

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	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 8 (H224857-08)

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	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	GC-NC	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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Analytical Results For:

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

Received:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 9 (H224857-09)

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	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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

Received:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: FL 10 (H224857-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 1 (H224857-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 2 (H224857-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553		
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05		
Total BTEx	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.3 % 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 3 (H224857-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.818	
Toluene*	<0.050	0.050	10/18/2022	ND	2.05	103	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.96	97.8	2.00	0.834	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.91	98.6	6.00	0.968	
Total BTEX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 4 (H224857-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.818	
Toluene*	<0.050	0.050	10/18/2022	ND	2.05	103	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.96	97.8	2.00	0.834	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.91	98.6	6.00	0.968	
Total BTX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 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	10/18/2022	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	10/20/2022	ND	197	98.7	200	2.71	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	196	98.2	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 5 (H224857-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.818	
Toluene*	<0.050	0.050	10/18/2022	ND	2.05	103	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.96	97.8	2.00	0.834	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.91	98.6	6.00	0.968	
Total BTEX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 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	10/18/2022	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	10/18/2022	ND	197	98.7	200	2.71	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	196	98.2	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 6 (H224857-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.818	
Toluene*	<0.050	0.050	10/18/2022	ND	2.05	103	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.96	97.8	2.00	0.834	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.91	98.6	6.00	0.968	
Total BTEX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 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	10/18/2022	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	10/18/2022	ND	197	98.7	200	2.71	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	196	98.2	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	SKELLY INLET 18"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/K SEC 16 T17S-R31E		

Sample ID: SW 7 (H224857-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.818		
Toluene*	<0.050	0.050	10/18/2022	ND	2.05	103	2.00	0.488		
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.96	97.8	2.00	0.834		
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.91	98.6	6.00	0.968		
Total BTX	<0.300	0.300	10/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	10/18/2022	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	10/18/2022	ND	197	98.7	200	2.71	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	196	98.2	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST											
Project Manager: Daniel Dominguez		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Company: Frontier Field Services, LLC		Attn: Amber Groves		Address: 47 Conoco Rd		City: Maljamar		State: NM		Zip: 88264		Phone #: 575-703-7992		Fax #:	
Project #: 575 393-3386		Fax #:		Project Owner: Skelly Inlet 18"		Frontier Field Services, LLC		City: Maljamar		State: NM		Zip: 88264		Phone #: 575-703-7992		Fax #:		Project Name: Skelly Inlet 18"		Project Location: UL/K Sec 16 T17S - R31E		Sampler Name: Jorge Valeriano		FOR LAB USE ONLY	
Lab I.D. H224857		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :	
11 SW1		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
12 SW2		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
13 SW3		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
14 SW4		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
15 SW5		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
16 SW6		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
17 SW7		C 1		X		10/14/22		X		X		X		X		X		X		X		X		X	
Relinquished By: [Signature]		Date: 10/11/22		Time: 3:38pm		Received By: [Signature]		Date: 10/14/22		Time: 10:14/22		Phone Result: [] Yes [] No		Fax Result: [] Yes [] No		Add'l Phone #: []		Add'l Fax #: []		REMARKS:		Email results to: pm@hungry-horse.com		agroves@durangomidstream.com	
Delivered By: (Circle One)		Sample Condition		Cool [] Intact []		Checked By: [Signature]		Phone Result: [] Yes [] No		Fax Result: [] Yes [] No		Add'l Phone #: []		Add'l Fax #: []		REMARKS:		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

NMSLO Approved Seed Mix

Recommend seedbed preparation requirements.

Site Description

Site consists of Kermit-Berino fine sands with 0 to 3 percent slopes. Vegetation includes but is not limited to shinnery oak, broom snakeweed, sand sagebrush, pricklypear, sand bluestem, little bluestem sand dropseed, sideoats grama, globemallow, annual buckwheat, annual sunflower, etc.

When to Seed

The preferred time for warm season species is 3-6 weeks after the last killing frost in the spring, although they may be seeded any time during the growing season except the last 30 days prior to the average killing frost date. Preferred time is before the monsoon season from July through early September.

Seeding Techniques

The seed mixture shall be planted using a seed drill equipped with a depth regulator, not to exceed ½ inch. The seed mixture will be evenly and uniformly planted over the disturbed area. Where drilling is not possible, seed should be broadcast and the area raked or chained to cover the seed. When broadcasting, the lbs/ acre are to be doubled. It would be beneficial and may be necessary to add a layer of native grass hay, or other approved mulch free of noxious weeds. Mulch should be applied at 1-2 tons per acre, where pockets of bare ground are still visible, then disked into the soil to reduce loss of material. Mulch will help with infiltration, soil organic matter, overall success of seed germination, and plant establishment.

Total pounds of pure live seed per acre are based on seed being weed free. If one species is not available, it was recommended that all other species available were increased proportionately and that **NOT JUST ONE SPECIES** be increased. The recommendation also provided that at least 4 species of the recommended grasses be used, including 1 forb. No less than 8 pounds per acre should be applied. The appropriate application should be reviewed prior to reclamation reseeding.

Common Name and Preferred Variety	Scientific Name	Pounds of Pure Live Seed Per Acre
Annual Quick-cover Grass		
Sterile Triticale	<i>Triticum aestivum X Secale cereale</i> 'Quickguard'	0.5
Warm-Season Grass		
Black or Blue Grama	<i>Boutela gracilis var. Alma</i>	1.5
Little Bluestem	<i>Schizachyrium scoparium</i>	1.0
Sand Dropseed	<i>Sporobolus cryptandrus</i>	0.5
Sand Bluestem	<i>Andropogon hallii</i>	1.0
Indiangrass	<i>Sorghastrum nutans</i>	0.5
Arizona Cottontop	<i>Digitaria californica</i>	1.0
Sideoats Grama	<i>Bouteloua curtipendula var. Vaughn</i>	2.0
Plains Bristlegrass	<i>Setaria vulpiseta</i>	1.5
Forbs/shrubs		
White prairie clover	<i>Dalea candida</i>	0.10
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10
Chia Sage	<i>Salvia columbariae</i>	0.10
Annual sunflower	<i>Helianthus annuus</i>	0.10
Annual buckwheat	<i>Eriogonum annuum</i>	0.10

PURE LIVE SEED/ACRE TOTAL: 10.00

Attachment VIII
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	nAPP2216423721
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 32.8332 Longitude -103.87863
(NAD 83 in decimal degrees to 5 decimal places)

Site Name 18" Skelly Inlet	Site Type Pipeline
Date Release Discovered 6/12/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
K	16	17S	31E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 22.25	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 25.2	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Internal & external corrosion of pipeline

Incident ID	nAPP2216423721
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: 	Date: <u>6/12/2022</u>
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>
OCD Only	
Received by: <u>Jocelyn Harimon</u>	Date: <u>06/13/2022</u>



Liquid Volume Release Report

NAPP2216423721

Liquid Release Volume Calculator								
Date:	6/12/2022							
Site or Line Name:	18" Skelly Inlet							
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type	
Clay	0.15				0	0.00	Clay	
Sandy Clay	0.12				0	0.00	Sandy Clay	
Silt	0.16				0	0.00	Silt	
Fine Sand	0.16				0	0.00	Fine Sand	
Medium Sand	0.25				0	0.00	Medium Sand	
Coarse Sand	0.26				0	0.00	Coarse Sand	
Gravely Sand	0.26	60	4	2	480	22.25	Gravely Sand	
Fine Gravel	0.26				0	0.00	Fine Gravel	
Medium Gravel	0.20				0	0.00	Medium Gravel	
Coarse Gravel	0.18				0	0.00	Coarse Gravel	
Sandstone	0.25				0	0.00	Sandstone	
Siltstone	0.18				0	0.00	Siltstone	
Limestone	0.13				0	0.00	Limestone	
Basalt	0.19				0	0.00	Basalt	
Standing Liquids	X				0	0.00	Standing Liquids	

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

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

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

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



Gas Volume Release Report

Gas Release Volume Calculator		
Date:	6/12/2022	
Site or Line Name:	18" Skelly Inlet	
Area of hole in pipe:	0.25	square inches
Absolute Pressure:	34.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Temperature:	107	Degrees F
Absolute Pressure:	34.7	psia (Gauge Pressure + 14.7)
Representative Gas Analysis	Please attach or email a representative gas analysis	
Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - SCF	25.20	MSCF
Notes		
Entered by user		
Calculated Value		
Constant		

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

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

CONDITIONS

Action 155648

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 155648
	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 #NAPP2216423721 18" SKELLY INLET, thank you. This closure is approved.	1/12/2023