



Remediation Summary and Closure Request

Frontier Field Services, LLC

Old Lusk 6"

Lea County, New Mexico

Unit Letter "E", Section 32, Township 17 South, Range 32 East

Latitude 32.792600 North, Longitude 103.795950 West

NMOCD Incident # nAPP2304132273

Prepared For:

Frontier Field Services, LLC

47 Conoco Rd

Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

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July 2023

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Incident ID	nAPP2304132273
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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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: Lupe Carrasco Title: Sr. Environmental Specialist
Signature: *Lupe Carrasco* Date: 8/2/23
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Shelly Wells Date: 8/3/2023

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Remediation Plan

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

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

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

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

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

Printed Name: Lupe Carrasco Title: Sr. Environmental Specialist
Signature: Lupe Carrasco Date: 8/2/23
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Shelly Wells Date: 8/3/2023

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

Signature: _____ Date: _____

Incident ID	nAPP2304132273
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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: Lupe Carrasco Title: Sr. Environmental Specialist
Signature: Lupe Carrasco Date: 8/2/23
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

OCD Only

Received by: Shelly Wells Date: 8/3/2023

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: Nelson Velez Date: 11/01/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv



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 E (SW/NW), Section 32, Township 17 South, Range 32 East, approximately five miles southwest of Maljamar, in Lea County, New Mexico. The location is 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 32.792600 North, Longitude 103.795950 West. The Initial NMOCD Form C-141 indicated that on February 9, 2023 approximately 5 bbls of condensate and 35.13 Mcf of natural gas was 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 VII.

NMOCD Site Classification:

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

No water wells were located within a half mile of the release area. 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
	GRO + DRO	EPA SW-846 Method 8015M Ext	N/A
	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 May 31, 2023, the NMOCD was contacted and a ninety-day extension was requested as Right of Entry had only recently been received. On June 1, 2023, the NMOCD approved a ninety-day extension, moving the completion date to August 10, 2023. NMOCD correspondence is provided in Attachment II.

On February 17, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On June 14, 2023, the release area was delineated. During delineation activities, sample test trenches were advanced in the release area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches 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 test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hanna instruments® DiST® 4 EC tester and/or a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, sixteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP4, HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1, SP2, SP3, SP4, and HZ2, at Surface, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

From June 16 through 23, 2023, the release area was excavated. Excavated contaminated soil was temporarily stockpiled onsite, atop plastic, before transport to an NMOCD approved disposal facility.

On June 30, 2023, forty-one 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 FL34 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, with the exception of FL5, FL6, FL7, FL8, FL9, FL10, FL20, SW4, SW5, SW6, and SW7, which exhibited TPH concentrations in excess of NMOCD Closure Criteria.

On July 17, 2023, the areas in excess of NMOCD Closure Criteria were excavated and sampled. Soil samples FL5b, FL6b, FL7b, FL8b, FL9b, FL10b, and FL20b, each at six feet bgs; SW4, SW5, SW6, and SW7, each at three feet bgs; and HZ2b at Surface and one-foot bgs, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated



contaminant concentrations were below the NMOCD Closure Criteria for each of the submitted samples.

The excavated area measured approximately one hundred twenty feet in length, thirty to ninety feet in width, and five to six feet in depth. During remediation activities approximately 750 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

A Delineation Sample Map and Excavation Sample Map are provided as Figure 4 and Figure 5, respectively. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, clean, non-impacted material. The area was contoured to achieve erosion control and preserve surface water flow. The affected area will be reseeded with an approved seed mixture during the first favorable growing season following these completed remediation activities.

Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results, Frontier Field Services, LLC respectfully requests closure of the Old Lusk 6" location, nAPP2304132273.

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
 Old Lusk 6"
 GPS: 32.7926003, -103.7959502
 Lea County

Legend:

● Old Lusk 6" Location

Drafted: dd
 Checked: bw
 Date: 2/17/23



**Figure 2**

OSE POD Locations Map
Frontier Field Services, LLC
Old Lusk 6"
GPS: 32.7926003, -103.7959502
Lea County

Legend:

● Old Lusk 6" Location

Drafted: dd
Checked: bw
Date: 2/17/23



**Figure 3**

USGS Well Locations Map
Frontier Field Services, LLC
Old Lusk 6"
GPS: 32.7926003, -103.7959502
Lea County

Legend:

● Old Lusk 6" Location



Drafted: dd
Checked: bw
Date: 2/17/23



**Figure 4**

Delineation Sample Map
Frontier Field Services, LLC
Old Lusk 6"
GPS: 32.7926003, -103.7959502
Lea County

Legend:

-  Release Area
 Delineation Sample Location

Drafted: dd
Checked: bw
Date: 7/17/23



**Figure 5**

Excavation Sample Map
 Frontier Field Services, LLC
 Old Lusk 6"
 GPS: 32.7926003, -103.7959502
 Lea County

Legend:

- Excavated Area
FL1 Composite Confirmation Sample Location

Drafted: dd
 Checked: bw
 Date: 7/17/23



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Old Lusk 6"
NMOCD Ref. #: nAPP2304132273

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	6/14/23	Surf	Excavated	17.5	217	2,030	67,800	69,830	16,100	85,930	240
	6/14/23	5	In-Situ	<0.050	<0.300	<10.0	23.2	23.2	<10.0	<30.0	32.0
SP2	6/14/23	Surf	Excavated	<0.050	1.10	<100	12,500	12,500	3,450	15,950	304
	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP3	6/14/23	Surf	Excavated	<0.050	0.669	147	16,600	16,747	3,760	20,507	112
	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP4	6/14/23	Surf	Excavated	<0.050	6.31	169	33,000	33,169	9,580	42,749	368
	6/14/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ1	6/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	6/14/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ2	6/14/23	Surf	Excavated	<0.050	<0.300	<10.0	81.8	81.8	38.8	120.6	32.0
	6/14/23	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2b	7/17/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	7/17/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ3	6/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	6/14/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	6/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	6/14/23	1	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

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Old Lusk 6"
NMOCD Ref. #: nAPP2304132273

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)
FL1	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL2	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL3	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL4	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL5	6/30/23	5	Excavated	<0.050	<0.300	<10.0	212	212	80.5	292.5	32.0
FL5b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL6	6/30/23	5	Excavated	<0.050	<0.300	<10.0	581	581	213	794	32.0
FL6b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL7	6/30/23	5	Excavated	<0.050	<0.300	<10.0	713	713	280	993	80.0
FL7b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL8	6/30/23	5	Excavated	<0.050	<0.300	<10.0	420	420	157	577	32.0
FL8b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL9	6/30/23	5	Excavated	<0.050	<0.300	<10.0	463	463	172	635	32.0
FL9b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL10	6/30/23	5	Excavated	<0.050	<0.300	<10.0	429	429	178	607	32.0
FL10b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL11	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL12	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL13	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL14	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL15	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL16	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL17	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	15.9	<20.0	<10.0	<30.0	16.0
FL18	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL19	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	29.4	29.4	11.7	41.1	32.0
FL20	6/30/23	5	Excavated	<0.050	<0.300	<10.0	71.7	71.7	32.4	104.1	<16.0
FL20b	7/17/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL21	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL22	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL23	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL24	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	25.0	25.0	<10.0	<30.0	<16.0
FL25	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL26	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL27	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL28	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL29	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL30	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL31	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL32	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL33	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL34	6/30/23	5	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

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Frontier Field Services, LLC
Old Lusk 6"
NMOCD Ref. #: nAPP2304132273

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)
SW1	6/30/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	6/30/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW3	6/30/23	3	In-Situ	<0.050	<0.300	<10.0	62.8	62.8	18.5	81.3	32.0
SW4	6/30/23	3	Excavated	<0.050	<0.300	<10.0	158	158	54.6	212.6	<16.0
SW4	7/17/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW5	6/30/23	3	Excavated	<0.050	<0.300	<10.0	560	560	214	774	16.0
SW5	7/17/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW6	6/30/23	3	Excavated	<0.050	<0.300	<10.0	173	173	63.7	236.7	48.0
SW6	7/17/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW7	6/30/23	3	Excavated	<0.050	<0.300	<10.0	173	173	58.6	231.6	16.0
SW7	7/17/23	3	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:

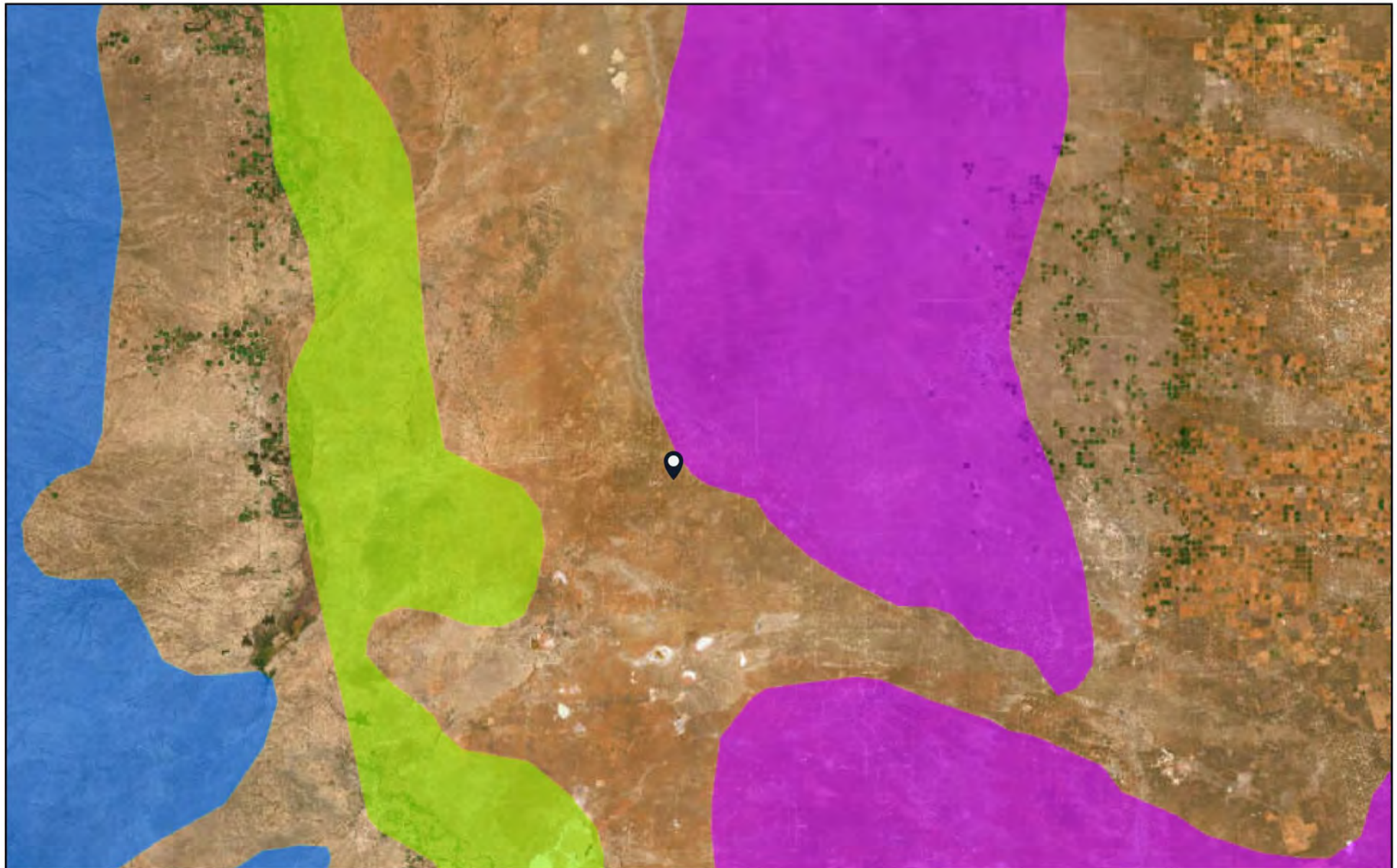
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps

Old Lusk 6"



7/18/2023

Karst Type

Carbonate

Erosional

Gypsum

Volcanic

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

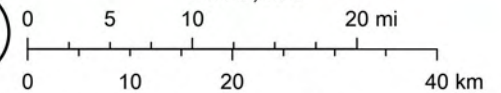
High Resolution 30cm Imagery

Citations

150m Resolution Metadata



1:879,206



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



Old Lusk 6"



July 18, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

Attachment II

NMOCD Correspondence

Daniel Dominguez

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Thursday, June 1, 2023 3:55 PM
To: Guadalupe Carrasco; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD; Velez, Nelson, EMNRD
Cc: Darin Kennard; Mary Taylor; Daniel Dominguez
Subject: RE: [EXTERNAL] Old Lusk 6" - nAPP2304132273

Mr. Carrasco,

Your request for an extension is approved for 90 days from the due date to 08/10/2023. Extension requests should be submitted prior to the due date. This one was 05/10/23. Please include a copy of this and all correspondence in your reports.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Sent: Wednesday, May 31, 2023 10:33 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Darin Kennard <dkennard@durangomidstream.com>; Mary Taylor <mtaylor@durangomidstream.com>; ddominguez@hungry-horse.com
Subject: [EXTERNAL] Old Lusk 6" - nAPP2304132273

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

Good morning!

Frontier Field Services would like to request a 90 day extension for nAPP2304132273 –Old Lusk 6". NMSLO Right of Entry permits were received in May. Please contact me with any questions.

Thanks!

Lupe Carrasco

Sr. Environmental Specialist

(575)725-0787

gcarrasco@durangomidstream.com



288 W. Kincaid Ranch Rd.
Artesia N.M. 88210

Daniel Dominguez

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, June 28, 2023 3:01 PM
To: Daniel Dominguez
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Closure Samples

Daniel,

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

JH

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



From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Wednesday, June 28, 2023 7:04 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Closure Samples

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

We will be collecting closure samples at the Old Lusk 6" (nAPP2304132273) on Friday June 30, 2023 at 1 pm.
This is our 2 day notice.

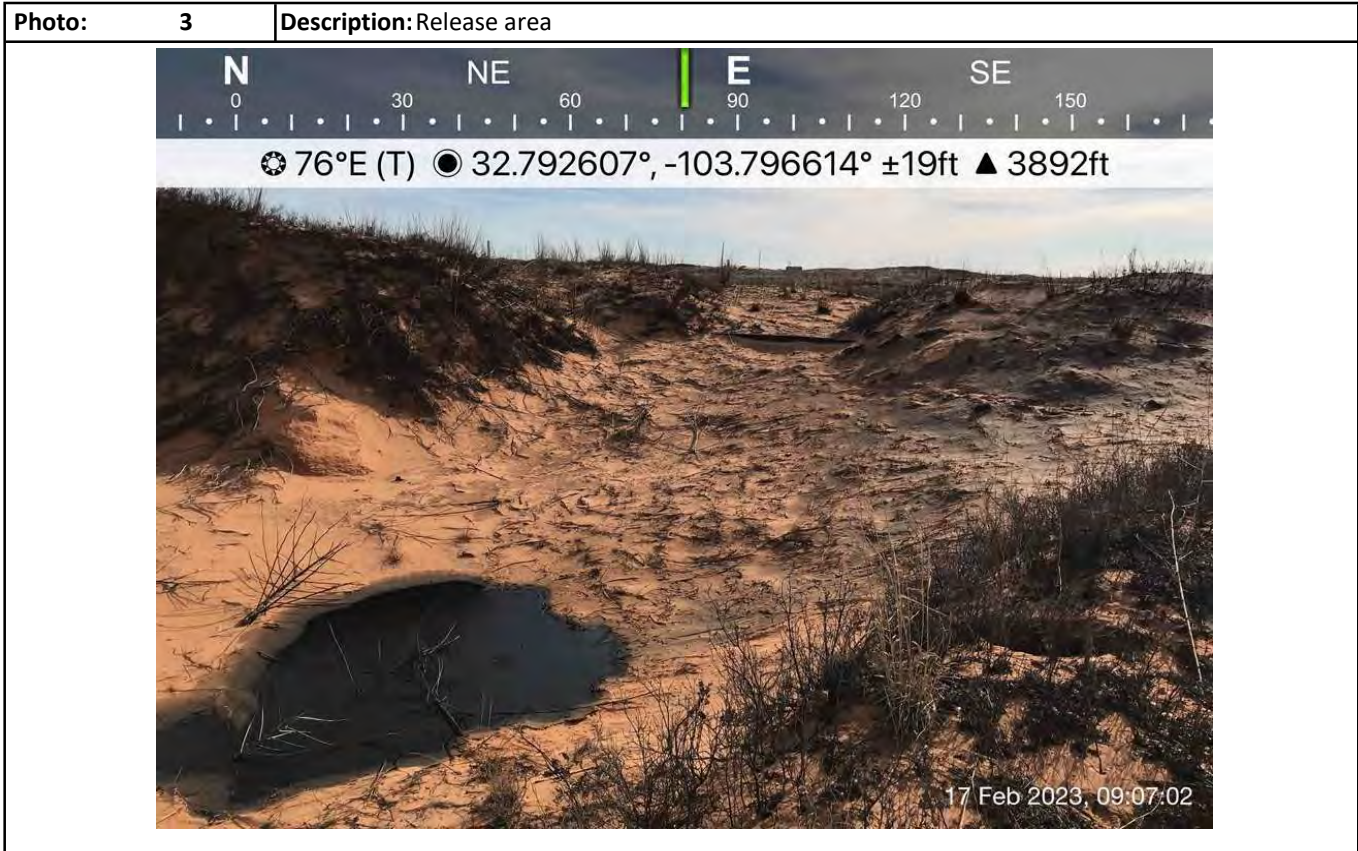
Daniel Dominguez
Environmental Manager
Hungry Horse, LLC
(mobile) 575-408-3134
ddominguez@hungry-horse.com

Attachment III Site Photographs

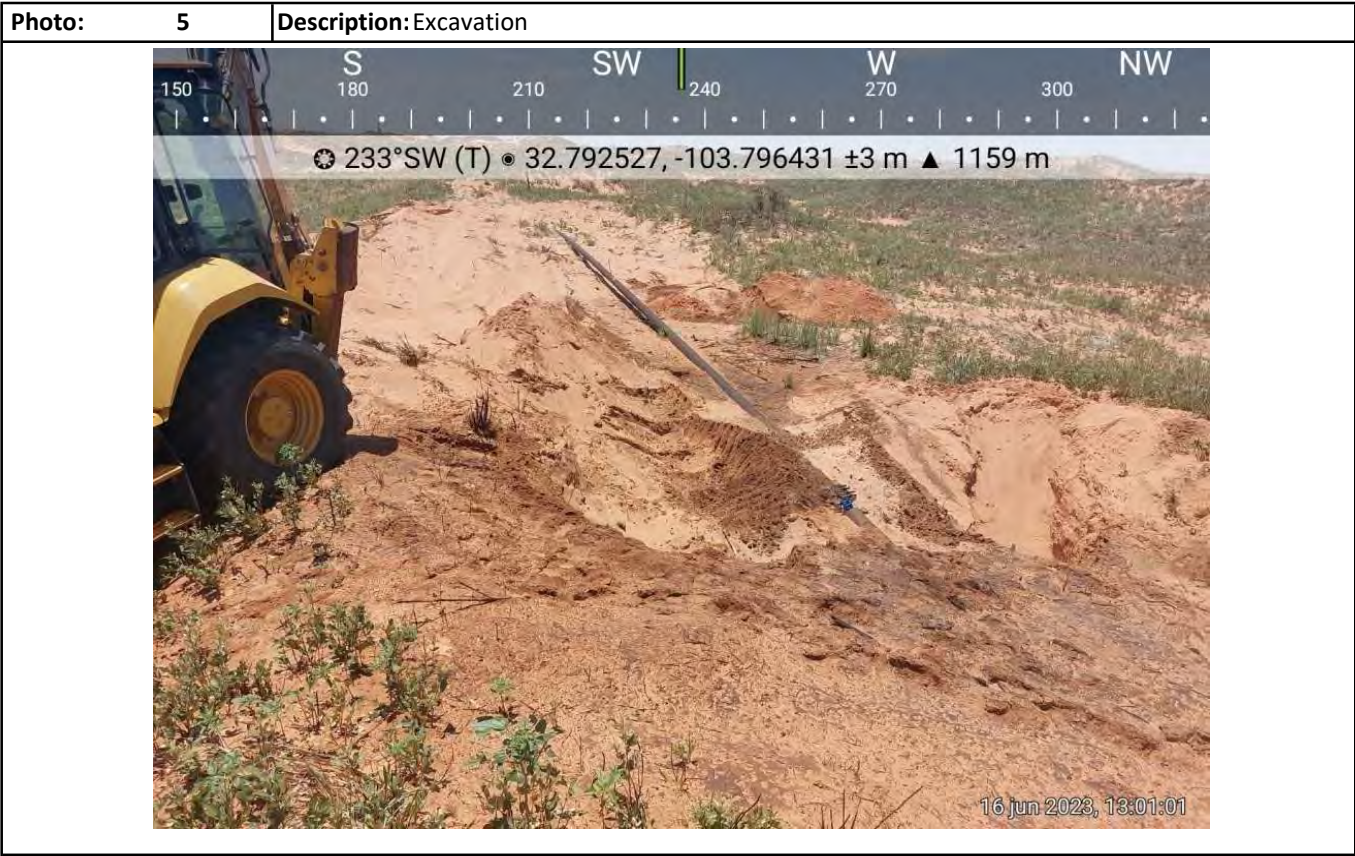
Photographs



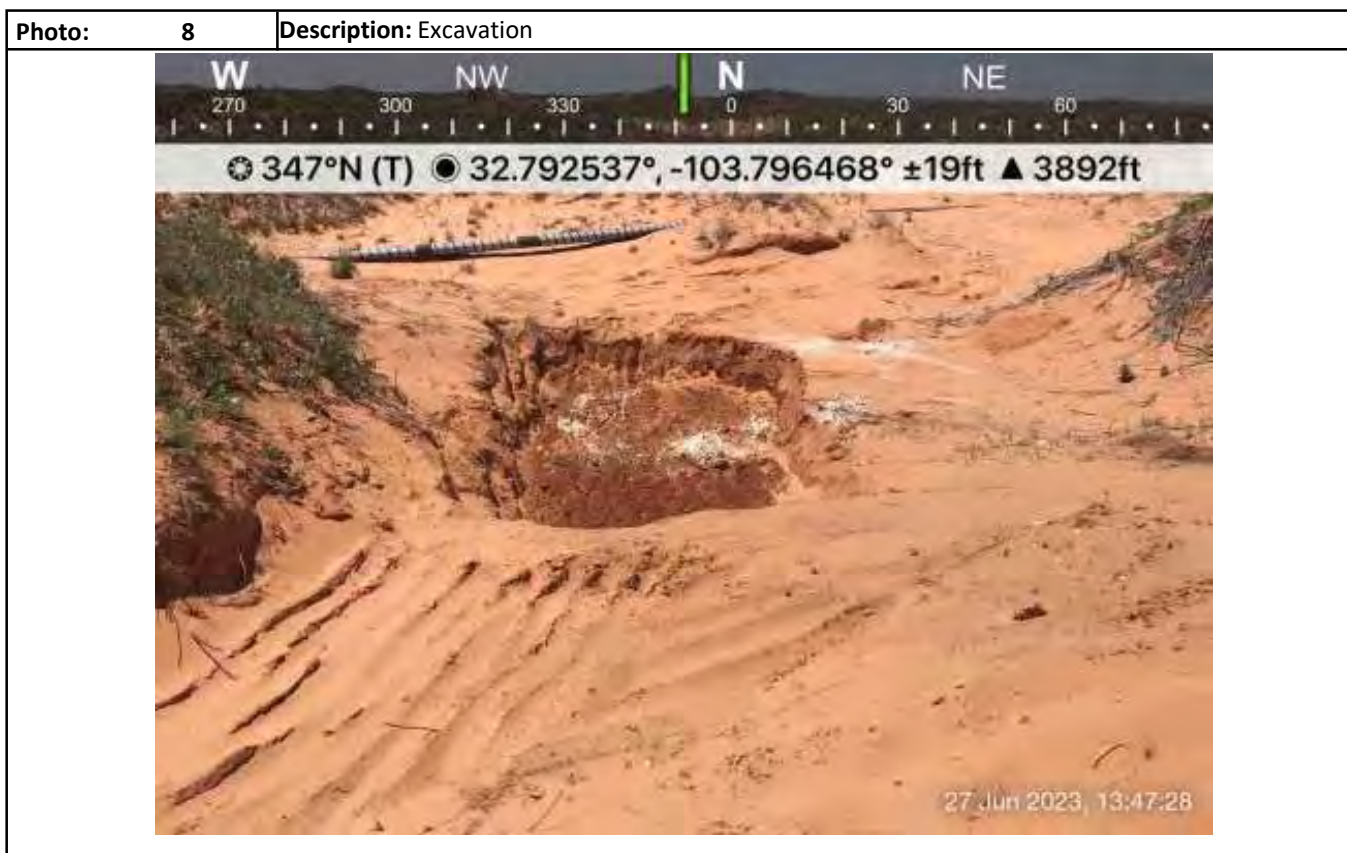
Photographs



Photographs



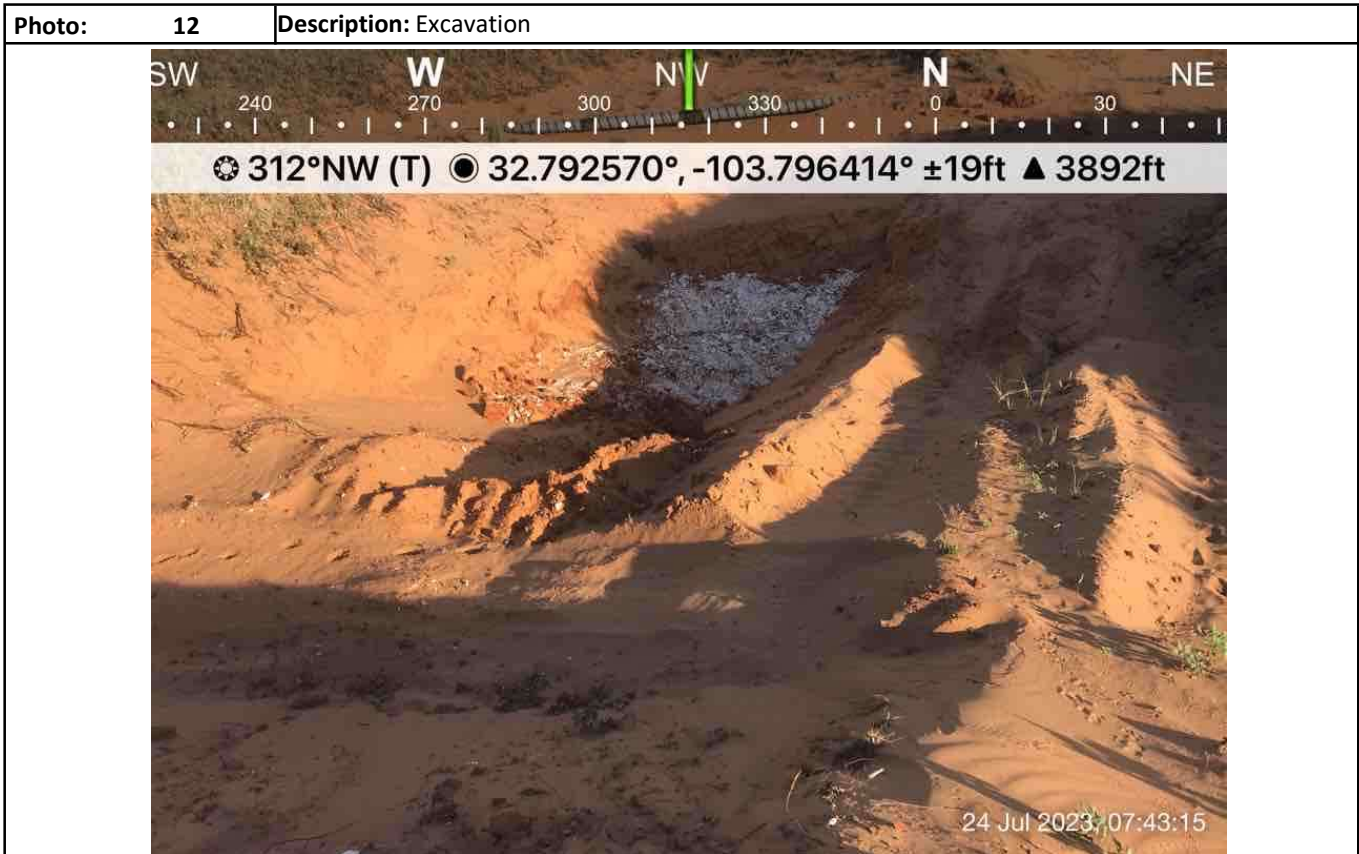
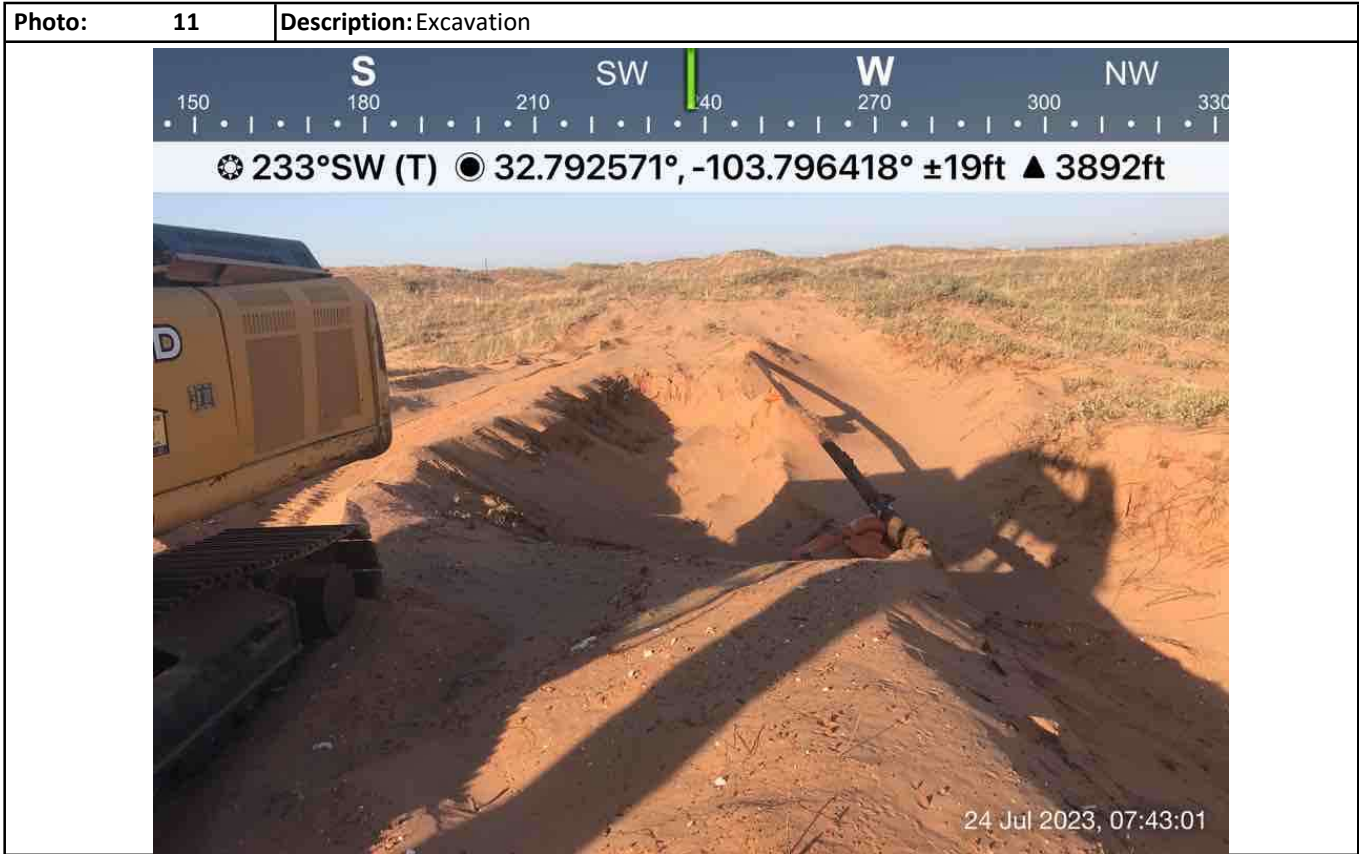
Photographs



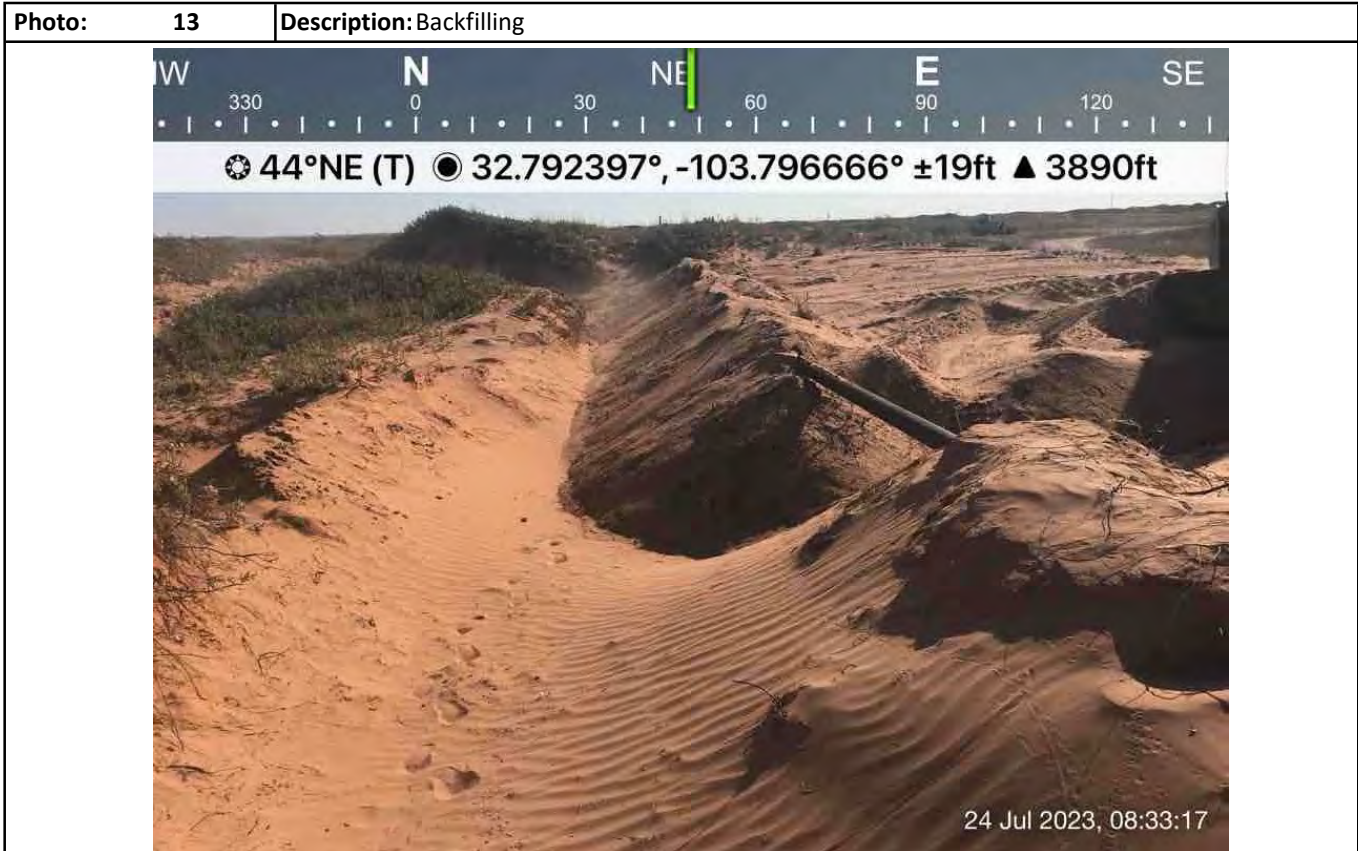
Photographs



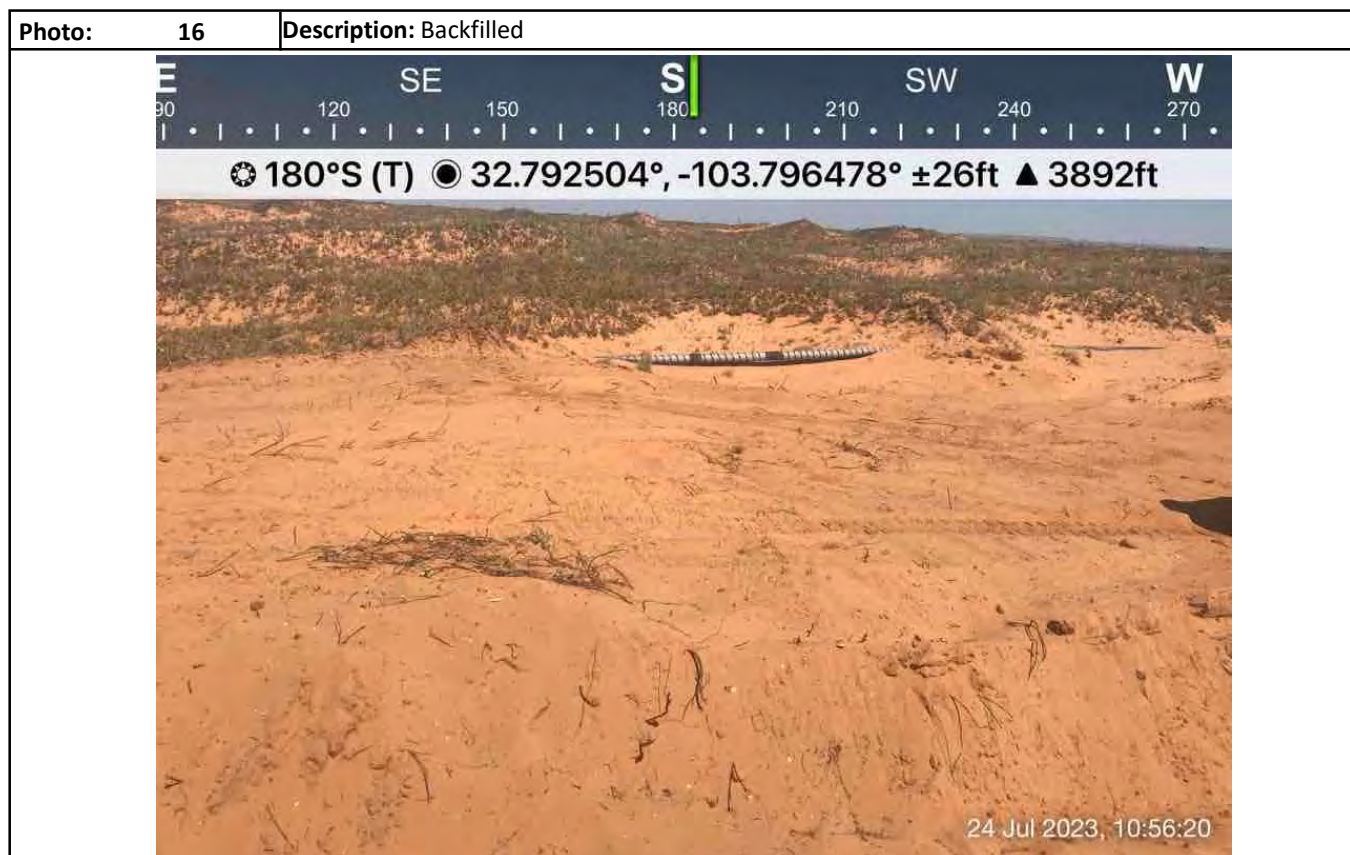
Photographs



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): 612683 **Northing (Y):** 3628912.65 **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.

7/18/23 10:15 AM

WELLS WITH WELL LOG INFORMATION

Attachment V

Field Data

Hungry Horse, LLC

Sample Log

Date: _____

Project: Old Lusk 6"

Latitude: 32.7926003

Longitude: -103.7959502

Sampler: Chris Alvarez

Sample ID	Depth	PID/Odor	Chloride	GPS
SP1	1'	Yes	2.0/46 = 84	Escorted to 1'
SP1	2'	Yes	3.0/91 = 364	
SP1	3'	No	4.0/157 = 604	
SP1	4'	Mod	3.6/125 = 500	
SP1	5'	No	2.6/71 = 284	lab
SP2	Surf	Yes	4.6/144 = 776	
SP2	1'	No	3.8/138 = 552	
SP2	2'	No	2.2/54 = 216	
SP2	3'	No	1.8/38 = 152	
SP2	4'	No	2.8/81 = 324	lab
SP3	Surf	Yes	2.8/81 = 324	
SP3	1'	No	2.8/81 = 324	
SP3	2'	No	2.4/62 = 248	
SP3	3'	No	1.0/31 = 124	
SP3	4'	No	1.0/31 = 124	lab
SP4	Surf	Yes	1.0 / less than 100	
SP4	1'	Yes	2.0/46 = 84	
SP4	2'	Mod	1.8/38 = 152	
SP4	3'	No	2.6/71 = 284	
SP4	4'	No	2.6/71 = 284	lab

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Hungry Horse, LLC

Date: 6-14-23

Latitude: 32.7926003

Longitude: -103.7959502

Sampler: Chris Alvarez

[illegible]

Sidewall = SW1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Reports



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

June 20, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OLD LUSK 6"

Enclosed are the results of analyses for samples received by the laboratory on 06/15/23 15:55.

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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: SP 1 - SURF (H233107-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	17.5	1.00	06/17/2023	ND	2.25	112	2.00	0.884	
Toluene*	69.2	1.00	06/17/2023	ND	2.20	110	2.00	1.03	
Ethylbenzene*	56.1	1.00	06/17/2023	ND	2.24	112	2.00	0.737	
Total Xylenes*	73.8	3.00	06/17/2023	ND	6.62	110	6.00	0.502	
Total BTX	217	6.00	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/16/2023	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*	2030	100	06/17/2023	ND	167	83.5	200	0.771		
DRO >C10-C28*	67800	100	06/17/2023	ND	173	86.5	200	0.154		
EXT DRO >C28-C36	16100	100	06/17/2023	ND						

Surrogate: 1-Chlorooctane 232 % 48.2-134

Surrogate: 1-Chlorooctadecane 2130 % 49.1-148

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:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: SP 1 - 5' (H233107-02)

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	06/17/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502		
Total BTEx	<0.300	0.300	06/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	167	83.5	200	0.771	
DRO >C10-C28*	23.2	10.0	06/17/2023	ND	173	86.5	200	0.154	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 - SURF (H233107-03)

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	06/19/2023	ND	2.25	112	2.00	0.884	
Toluene*	0.184	0.050	06/19/2023	ND	2.20	110	2.00	1.03	
Ethylbenzene*	0.304	0.050	06/19/2023	ND	2.24	112	2.00	0.737	
Total Xylenes*	0.616	0.150	06/19/2023	ND	6.62	110	6.00	0.502	
Total BTEX	1.10	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/16/2023	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 334 % 49.1-148

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: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 - 4' (H233107-04)

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	06/17/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502		
Total BTEx	<0.300	0.300	06/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 - SURF (H233107-05)

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	06/19/2023	ND	2.25	112	2.00	0.884	
Toluene*	<0.050	0.050	06/19/2023	ND	2.20	110	2.00	1.03	
Ethylbenzene*	0.129	0.050	06/19/2023	ND	2.24	112	2.00	0.737	
Total Xylenes*	0.539	0.150	06/19/2023	ND	6.62	110	6.00	0.502	
Total BTEX	0.669	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/16/2023	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*	147	100	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	16600	100	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	3760	100	06/17/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 410 % 49.1-148

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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 - 4' (H233107-06)

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	06/17/2023	ND	2.25	112	2.00	0.884	
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502	
Total BTEx	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 - SURF (H233107-07)

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	06/19/2023	ND	2.25	112	2.00	0.884	
Toluene*	0.395	0.050	06/19/2023	ND	2.20	110	2.00	1.03	
Ethylbenzene*	1.75	0.050	06/19/2023	ND	2.24	112	2.00	0.737	
Total Xylenes*	4.17	0.150	06/19/2023	ND	6.62	110	6.00	0.502	
Total BTEX	6.31	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	06/16/2023	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*	169	100	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	33000	100	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	9580	100	06/17/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 929 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 - 4' (H233107-08)

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	06/17/2023	ND	2.25	112	2.00	0.884	
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502	
Total BTX	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 1 - SURF (H233107-09)

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	06/17/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502		
Total BTX	<0.300	0.300	06/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 1 - 1' (H233107-10)

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	06/17/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502		
Total BTEX	<0.300	0.300	06/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 2 - SURF (H233107-11)

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	06/17/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/17/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.62	110	6.00	0.502		
Total BTEx	<0.300	0.300	06/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	81.8	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	38.8	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 2 - 1' (H233107-12)

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	06/19/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/19/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	6.62	110	6.00	0.502		
Total BTEX	<0.300	0.300	06/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 3 - SURF (H233107-13)

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	06/19/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/19/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	6.62	110	6.00	0.502		
Total BTEx	<0.300	0.300	06/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: HZ 3 - 1' (H233107-14)

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	06/19/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/19/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	6.62	110	6.00	0.502		
Total BTEx	<0.300	0.300	06/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 4 - SURF (H233107-15)

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	06/19/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/19/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	6.62	110	6.00	0.502		
Total BTX	<0.300	0.300	06/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/15/2023
 Reported: 06/20/2023
 Project Name: OLD LUSK 6"
 Project Number: NONE GIVEN
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HZ 4 - 1' (H233107-16)

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	06/19/2023	ND	2.25	112	2.00	0.884		
Toluene*	<0.050	0.050	06/19/2023	ND	2.20	110	2.00	1.03		
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	2.24	112	2.00	0.737		
Total Xylenes*	<0.150	0.150	06/19/2023	ND	6.62	110	6.00	0.502		
Total BTEx	<0.300	0.300	06/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	193	96.6	200	3.07	
DRO >C10-C28*	<10.0	10.0	06/17/2023	ND	177	88.6	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 20

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																									
Project Manager: Daniel Dominguez		P.O. #:																											
Address: PO Box 1058		Company: Frontier Field Services, LLC																											
City: Hobbs	State: NM	Zip: 88241	Attn: Amber Groves																										
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																											
Project #:	Project Owner: Frontier Field Services, LLC	City: Maljamar																											
Project Name: Old Lusk 6"	State: NM	Zip: 88264																											
Project Location: UL/ E Sec 32 T17S - R32E	Phone #: 575-703-7992																												
Sampler Name: Chris Alvarez	Fax #:																												
FOR LAB USE ONLY																													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		Chloride	TPH	BTEX 8021																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME															
H233107																													
1	SP1-Surf	G	1			X				X			6/14/23		X	X	X												
2	SP1-5'	G	1			X				X			6/14/23		X	X	X												
3	SP2-Surf	G	1			X				X			6/14/23		X	X	X												
4	SP2-4'	G	1			X				X			6/14/23		X	X	X												
5	SP3-Surf	G	1			X				X			6/14/23		X	X	X												
6	SP3-4'	G	1			X				X			6/14/23		X	X	X												
7	SP4-Surf	G	1			X				X			6/14/23		X	X	X												
8	SP4-4'	G	1			X				X			6/14/23		X	X	X												

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Relinquished By:	Date: 6-15-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1:55		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results to: pm@hungry-horse.com	
			agroves@durangomidstream.com	
Delivered By: (Circle One)	#13	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	6.4°/5.8°	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	Jo.	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 20

[illegible]

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Relinquished By:	Date: 6-15-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 1:55		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to: pm@hungry-horse.com agroves@durangomidstream.com
	Time:		
Delivered By: (Circle One)	#113	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) Y.
Sampler - UPS - Bus - Other:			

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



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

July 05, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OLD LUSK 6"

Enclosed are the results of analyses for samples received by the laboratory on 06/30/23 13:48.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/30/2023	Sampling Date:	06/30/2023
Reported:	07/05/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: FL 1 (H233393-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2023	ND	164	81.9	200	1.89	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	169	84.4	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 (H233393-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2023	ND	164	81.9	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/01/2023	ND	169	84.4	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	07/01/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 (H233393-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2023	ND	164	81.9	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/01/2023	ND	169	84.4	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	07/01/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 4 (H233393-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 (H233393-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	212	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	80.5	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 6 (H233393-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	581	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	213	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 7 (H233393-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24		
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895		
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109		
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599		
Total BTEX	<0.300	0.300	06/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/30/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	713	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	280	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 193 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 8 (H233393-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEX	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	420	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	157	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 9 (H233393-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/30/2023	ND	448	112	400	3.64	

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	463	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	172	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
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 P.O. Box 1058
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 Fax To: (505) 391-4585

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 10 (H233393-10)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24		
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895		
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109		
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599		
Total BTX	<0.300	0.300	06/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	429	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	178	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 180 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 11 (H233393-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 12 (H233393-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEX	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
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Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 13 (H233393-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	06/30/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.61	110	6.00	0.599	
Total BTEX	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 14 (H233393-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	07/01/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.61	110	6.00	0.599	
Total BTX	<0.300	0.300	07/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 15 (H233393-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	07/01/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	07/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 16 (H233393-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	07/01/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.61	110	6.00	0.599	
Total BTEX	<0.300	0.300	07/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 17 (H233393-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	07/01/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.61	110	6.00	0.599	
Total BTEx	<0.300	0.300	07/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2023	ND	448	112	400	3.64	

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	15.9	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 18 (H233393-18)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.29	114	2.00	1.24	
Toluene*	<0.050	0.050	07/01/2023	ND	2.24	112	2.00	0.0895	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.14	107	2.00	0.0109	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.61	110	6.00	0.599	
Total BTX	<0.300	0.300	07/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (505) 391-4585

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 19 (H233393-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEx	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/03/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	29.4	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	11.7	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 20 (H233393-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965		
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804		
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378		
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355		
Total BTEX	<0.300	0.300	06/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	448	112	400	3.64		

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	06/30/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	71.7	10.0	06/30/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	32.4	10.0	06/30/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 21 (H233393-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	07/01/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	07/01/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 22 (H233393-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	07/01/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	07/01/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 23 (H233393-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2023	ND	157	78.3	200	27.8	
DRO >C10-C28*	<10.0	10.0	07/01/2023	ND	153	76.3	200	28.3	
EXT DRO >C28-C36	<10.0	10.0	07/01/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 24 (H233393-24)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	25.0	10.0	07/03/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 25 (H233393-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 26 (H233393-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEx	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 27 (H233393-27)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
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 P.O. Box 1058
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 Fax To: (505) 391-4585

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 28 (H233393-28)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTX	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 29 (H233393-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEx	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 30 (H233393-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEx	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 31 (H233393-31)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 32 (H233393-32)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 33 (H233393-33)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 34 (H233393-34)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 (H233393-35)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	06/30/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.06	101	6.00	0.355	
Total BTEX	<0.300	0.300	06/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 (H233393-36)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	07/01/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.06	101	6.00	0.355	
Total BTEx	<0.300	0.300	07/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 (H233393-37)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	07/01/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.06	101	6.00	0.355	
Total BTEx	<0.300	0.300	07/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	62.8	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	18.5	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 (H233393-38)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2023	ND	2.10	105	2.00	0.965	
Toluene*	<0.050	0.050	07/01/2023	ND	2.06	103	2.00	0.804	
Ethylbenzene*	<0.050	0.050	07/01/2023	ND	2.02	101	2.00	0.378	
Total Xylenes*	<0.150	0.150	07/01/2023	ND	6.06	101	6.00	0.355	
Total BTX	<0.300	0.300	07/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	158	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	54.6	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 5 (H233393-39)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/04/2023	ND	2.10	105	2.00	2.41		
Toluene*	<0.050	0.050	07/04/2023	ND	2.01	101	2.00	2.88		
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.18	109	2.00	2.39		
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.57	110	6.00	1.82		
Total BTEX	<0.300	0.300	07/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20		
DRO >C10-C28*	560	10.0	07/04/2023	ND	196	97.8	200	5.21		
EXT DRO >C28-C36	214	10.0	07/04/2023	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 179 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 6 (H233393-40)

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	07/04/2023	ND	2.10	105	2.00	2.41		
Toluene*	<0.050	0.050	07/04/2023	ND	2.01	101	2.00	2.88		
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.18	109	2.00	2.39		
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.57	110	6.00	1.82		
Total BTX	<0.300	0.300	07/04/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	173	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	63.7	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 7 (H233393-41)

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	07/04/2023	ND	2.10	105	2.00	2.41		
Toluene*	<0.050	0.050	07/04/2023	ND	2.01	101	2.00	2.88		
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.18	109	2.00	2.39		
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.57	110	6.00	1.82		
Total BTX	<0.300	0.300	07/04/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	173	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	58.6	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 44 of 48

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: Lupe Carrasco																					
Phone #: 575 393-3386	Fax #:		Address: 47 Conoco Rd																					
Project #:	Project Owner: Frontier Field Services, LLC		City: Maljamar																					
Project Name: Old Lusk 6"	State: NM		Zip: 88264																					
Project Location: UL/ E Sec 32 T17S - R32E	Phone #: 575-703-7992																							
Sampler Name: Jerry Heidelberg	Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(GRAB OR (COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021							
H233393																								
1 FL1		C	1			X					X		6/30/23		X	X	X							
2 FL2		C	1			X					X		6/30/23		X	X	X							
3 FL3		C	1			X					X		6/30/23		X	X	X							
4 FL4		C	1			X					X		6/30/23		X	X	X							
5 FL5		C	1			X					X		6/30/23		X	X	X							
6 FL6		C	1			X					X		6/30/23		X	X	X							
7 FL7		C	1			X					X		6/30/23		X	X	X							
8 FL8		C	1			X					X		6/30/23		X	X	X							
9 FL9		C	1			X					X		6/30/23		X	X	X							
10 FL10		C	1			X					X		6/30/23		X	X	X							

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Relinquished By: <i>Jerry Heidelberg</i>	Date: 6/30/23 Time: 1348	Received By: <i>Shodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) 0.4) 0.0-0.1	Sample Condition: Cool Intact	CHECKED BY: (Initials) <i>SK</i>	REMARKS: Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com
Sampler - UPS - Bus - Other: -0.2: #113	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 45 of 48

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: Lupe Carrasco																				
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																					
Project #:	Project Owner: Frontier Field Services, LLC		City: Maljamar																				
Project Name: Old Lusk 6"	State: NM		Zip: 88264																				
Project Location: UL/ E Sec 32 T17S - R32E	Phone #: 575-703-7992																						
Sampler Name: Jerry Heidelberg	Fax #:																						
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	Chloride	TPH	BTEX 8021						
4233393																							
11	FL11	C	1			X					X		6/30/23		X	X	X						
12	FL12	C	1			X					X		6/30/23		X	X	X						
13	FL13	C	1			X					X		6/30/23		X	X	X						
14	FL14	C	1			X					X		6/30/23		X	X	X						
15	FL15	C	1			X					X		6/30/23		X	X	X						
16	FL16	C	1			X					X		6/30/23		X	X	X						
17	FL17	C	1			X					X		6/30/23		X	X	X						
18	FL18	C	1			X					X		6/30/23		X	X	X						
19	FL19	C	1			X					X		6/30/23		X	X	X						
20	FL20	C	1			X					X		6/30/23		X	X	X						

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Relinquished By:	Date: 6/30/23 Time: 1348	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) 0.4 U C-O-10:2	Sample Condition Cool Intact	CHECKED BY: (Initials) 8/2	REMARKS: Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com
Sampler - UPS - Bus - Other: -0.2: #113	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 46 of 48

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: Lupe Carrasco																				
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																					
Project #:	Project Owner: Frontier Field Services, LLC		City: Maljamar																				
Project Name: Old Lusk 6"	State: NM		Zip: 88264																				
Project Location: UL/ E Sec 32 T17S - R32E	Phone #: 575-703-7992																						
Sampler Name: Jerry Heidelberg	Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMPLING																
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021						
H233393																							
21 FL21		C	1			X					X		6/30/23		X	X	X						
22 FL22		C	1			X					X		6/30/23		X	X	X						
23 FL23		C	1			X					X		6/30/23		X	X	X						
24 FL24		C	1			X					X		6/30/23		X	X	X						
25 FL25		C	1			X					X		6/30/23		X	X	X						
26 FL26		C	1			X					X		6/30/23		X	X	X						
27 FL27		C	1			X					X		6/30/23		X	X	X						
28 FL28		C	1			X					X		6/30/23		X	X	X						
29 FL29		C	1			X					X		6/30/23		X	X	X						
30 FL30		C	1			X					X		6/30/23		X	X	X						

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Relinquished By:	Date: 6/30/23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1348		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results to: pm@hungry-horse.com	
Delivered By: (Circle One) 0.4) C.O.U.		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: -0.22 #113		Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	OK	

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

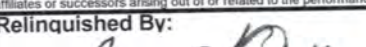




101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 				Date: 6-30-23 Time: 1348		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:				Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One) 0.42 c-o.v.				Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) 		REMARKS: Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com	
Sampler - UPS - Bus - Other: -0.2- #113									

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: <i>[Signature]</i>		Date: <i>6-30-23</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: <i>1348</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS: Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com
		Time:		
Delivered By: (Circle One) <i>0-420-one2</i>		Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: <i>0-0-22 #113</i>		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>	

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



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

July 21, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OLD LUSK 6"

Enclosed are the results of analyses for samples received by the laboratory on 07/17/23 13:55.

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:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: FL 5 B (H233680-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93	
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/21/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 B (H233680-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/21/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 B (H233680-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTEX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: FL 8 B (H233680-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/21/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 B (H233680-05)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: FL 10 B (H233680-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2023
 Reported: 07/21/2023
 Project Name: OLD LUSK 6"
 Project Number: FRONTIER FIELD SERVICES
 Project Location: UL/E SEC 32 T17S - R32E

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 20 B (H233680-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: HZ 2 B (H233680-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: SW 4 (H233680-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93		
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: SW 5 (H233680-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93	
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: SW 6 (H233680-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93	
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: SW 7 (H233680-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	98.2	2.00	1.93	
Toluene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	2.00	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.03	101	2.00	0.865	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.08	101	6.00	0.887	
Total BTEx	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/19/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	175	87.6	200	17.6	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	172	85.8	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Daniel Dominguez		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">Chloride</div> <div style="margin-bottom: 10px;">TPH</div> <div style="margin-bottom: 10px;">BTEX 8021</div> </div>																				
Address: PO Box 1058		Company: Frontier Field Services, LLC																						
City: Hobbs	State: NM	Zip: 88241	Attn: Lupe Carrasco																					
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																						
Project #:	Project Owner: Frontier Field Services, LLC	City: Maljamar																						
Project Name: Old Lusk 6"	State: NM		Zip: 88264																					
Project Location: UL/ E Sec 32 T17S - R32E	Phone #: 575-703-7992																							
Sampler Name: Jerry Heidelberg	Fax #:																							
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX				PRESERV.	SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
H233/80																								
1 FL5 B		C	1			X					X		7/17/23		X	X	X							
2 FL6 B		C	1			X					X		7/17/23		X	X	X							
3 FL7 B		C	1			X					X		7/17/23		X	X	X							
4 FL8 B		C	1			X					X		7/17/23		X	X	X							
5 FL9 B		C	1			X					X		7/17/23		X	X	X							
6 FL10 B		C	1			X					X		7/17/23		X	X	X							
7 FL20 B		C	1			X					X		7/17/23		X	X	X							
8 HZ2B																								

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Relinquished By:	Date: 7-17-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Jerry Heidelberg</i>	Time: 1355	<i>Munara</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to: pm@hungry-horse.com gcarrasco@durangomidstream.com	
	Time:			
Delivered By: (Circle One)	#140	Sample Condition		
Sampler - UPS - Bus - Other:	1.30	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>Y.O.</i>	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 16

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: Lupe Carrasco																	
Phone #: 575 393-3386	Fax #:	Address: 47 Conoco Rd																		
Project #:	Project Owner: Frontier Field Services, LLC	City: Maljamar																		
Project Name: Old Lusk 6"		State: NM	Zip: 88264																	
Project Location: UL/ E Sec 32 T17S - R32E		Phone #: 575-703-7992																		
Sampler Name: Jerry Heidelberg		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING															
			GROUNDWATER			Chloride	TPH	BTEX 8021												
			WASTEWATER																	
			SOIL																	
			OIL																	
			SLUDGE																	
			OTHER :																	
			ACID/BASE:																	
			ICE / COOL																	
			OTHER :																	
						DATE	TIME													
H233680																				
9	SW4	C 1				X			X	X	X									
10	SW5	C 1				X			X	X	X									
11	SW6	C 1				X			X	X	X									
12	SW7	C 1				X			X	X	X									

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Relinquished By:	Date: 7-17-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1355		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results to: pm@hungry-horse.com	
			gcarrasco@durangomidstream.com	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>			
	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes			
	<input type="checkbox"/> No <input type="checkbox"/> No			

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



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

July 24, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OLD LUSK 6"

Enclosed are the results of analyses for samples received by the laboratory on 07/18/23 14:50.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/18/2023	Sampling Date:	07/17/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	OLD LUSK 6"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Shari Cisneros
Project Location:	UL/E SEC 32 T17S - R32E		

Sample ID: HZ 2 B - 1' (H233729-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	1.96	97.9	2.00	0.349	
Toluene*	<0.050	0.050	07/22/2023	ND	1.97	98.5	2.00	0.125	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.166	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	5.95	99.1	6.00	0.336	
Total BTX	<0.300	0.300	07/22/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/21/2023	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	170	84.8	200	7.89	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	183	91.4	200	6.97	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

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

Attachment VII
NMOCD Form Initial C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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	nAPP2304132273
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 32.7926003 Longitude -103.7959502
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Old Lusk 6"	Site Type Pipeline
Date Release Discovered 2/9/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	32	17S	32E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 5	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 35.13	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
External & Internal corrosion.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2304132273
District RP	
Facility ID	
Application ID	

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

Initial Response


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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Amber Groves Title: Sr. Environmental Specialist
Signature:  Date: 2/9/2023
email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: _____ Date: _____



Gas Volume Release Report

Gas Release Volume Calculator		
Date:	2/9/2023	
Site or Line Name:	MAL-Old Lusk 6" Steel Line LP	
Area of Hole in Pipe:	0.25	square inches
Absolute Pressure:	39.2	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes
Actual Temperature:	59.2	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	
Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - ACF	13.15	MACF
Volume of Gas - SCF	35.13	MSCF
Notes		
Entered by user		
Calculated Value		
Constant		



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	2/9/2023						
Site or Line Name:	MAL-Old Lusk 6" Steel Line LP						
Soil Type	lusk	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	37	36.5	0.083	112.0915	5.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	0	0	0	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)

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

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

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 247195

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 247195
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/1/2023