

Remediation Summary and Closure Request

Frontier Field Services, LLC

NW Raptor 6"

Lea County, New Mexico

Unit Letter "G", Section 28, Township 18 South, Range 34 East

Latitude 32.721003 North, Longitude 103.563493 West

NMOCD Incident # nAPP2303030816

Prepared For:

Frontier Field Services, LLC 47 Conoco Rd Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC 4024 Plains Hwy Lovington, NM 88260 Office: (575) 393-3386

July 2023

Bradley Wells
Project Manager
bwells@hungry-horse.com

Daniel Dominguez
Environmental Manager
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Incident ID	nAPP2303030816	
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?	
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	

_	
Charac	cterization Report Checklist: Each of the following items must be included in the report.
Fie Dar Der Der Der Der Der Der Der Der Der De	aled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. eld data table of soil contaminant concentration data pth to water determination termination of water sources and significant watercourses within ½-mile of the lateral extents of the release ring or excavation logs otographs including date and GIS information pographic/Aerial maps boratory data including chain of custody

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

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Lupe Carrasco	Title: Sr. Environmental Specialist
Signature:	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 b	e included in the plan.
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation poin ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29. ☑ Proposed schedule for remediation (note if remediation plan tin 	12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con-	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.
	4 4 1 4 C 1 11 1 1 4 14 4 4 4 OCD
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name:Lupe Carrasco	Title: Sr. Environmental Specialist
Signature: Lups Carrasco	Date:8/2/23
email: gcarrasco@durangomidstream.com	Telephone:575-725-0787
OCD Only	
Received by: Shelly Wells	Date: <u>8/3/2023</u>
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature:	<u>Date:</u>

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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 its	ems must be included in the closure report.
☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially additions that existed prior to the release or their final land use in
Signature: Lups Carrasco	Date:8/2/23
email: gcarrasco@durangomidstream.com	Telephone: 575-725-0787
OCD Only	
Received by: Shelly Wells	Date: 8/3/2023
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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 G (SW/NE), Section 28, Township 18 South, Range 34 East, approximately twenty-three miles west of Hobbs, 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 32.721003 North, Longitude 103.563493 West. The Initial NMOCD Form C-141 indicated that on January 27, 2023 approximately 123.04 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. 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 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.

One water well, L 13634 POD1, was located within a half mile of the release area. With depth to water listed at one hundred fifty-two feet bgs, logged in August 2014. However, as the release occurred within a Karst designated area, 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	
	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg	
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg	
>100′	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 NMCOD 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 July 27, 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 19, 2023, the release area was delineated. During the sampling events, 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, fourteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP3, 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, and SP3, at Surface and one-foot bgs, which exhibited TPH concentrations in excess of the NMOCD Closure Criteria.

From June 22 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, the area characterized by sample locations SP1, SP2, and SP3 was sampled. Samples SP1 at seven feet bgs, SP2 at six feet bgs, and SP3 at five feet 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.

On July 12, 2023, six 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 FL3 and SW1 through SW3, 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.



The excavated area measured approximately thirty-nine feet in length, fifteen to twenty feet in width, and five to seven feet in depth. During remediation activities approximately 250 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 NW Raptor location, nAPP2303030816.

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

Received by OCD: 8/2/2023 2:21:10 PM Page 13 of 82 CP-01563-POD1 L-14312 POI ·46 Miles L-14651-POD1 L-10202 1:18055 Figure 2 GRYHO Legend: **OSE POD Locations Map** NW Raptor 6" Location Frontier Field Services, LLC Active OSE Water Well NW Raptor 6" Plugged OSE Water Well Drafted: GPS: 32.721003, -103.563493 Pending OSE Water Well Checked: bw Lea County 6/19/23 Date:

Received by OCD: 8/2/2023 2:21:10 PM Page 14 of 82



Figure 3

USGS Well Locations Map Frontier Field Services, LLC NW Raptor 6"

GPS: 32.721003, -103.563493 Lea County

NW Raptor 6" Location

USGS Well Location

Drafted: Checked: bw 6/19/23 Date:



Frontier Field Services, LLC NW Raptor 6" GPS: 32.721003, -103.563493

Lea County

Delineation Sample Location

Drafted: Checked: bw 6/30/23 Date:



Excavation Sample Map Frontier Field Services, LLC NW Raptor 6" GPS: 32.721003, -103.563493

Lea County

Excavated Area

Composite Confirmation Sample Location

Drafted: dd Checked: bw Date: 7/12/23



Table

TABLE 1

Summary of Soil Sample Laboratory Analytical Results Frontier Field Services, LLC NW Raptor 6"

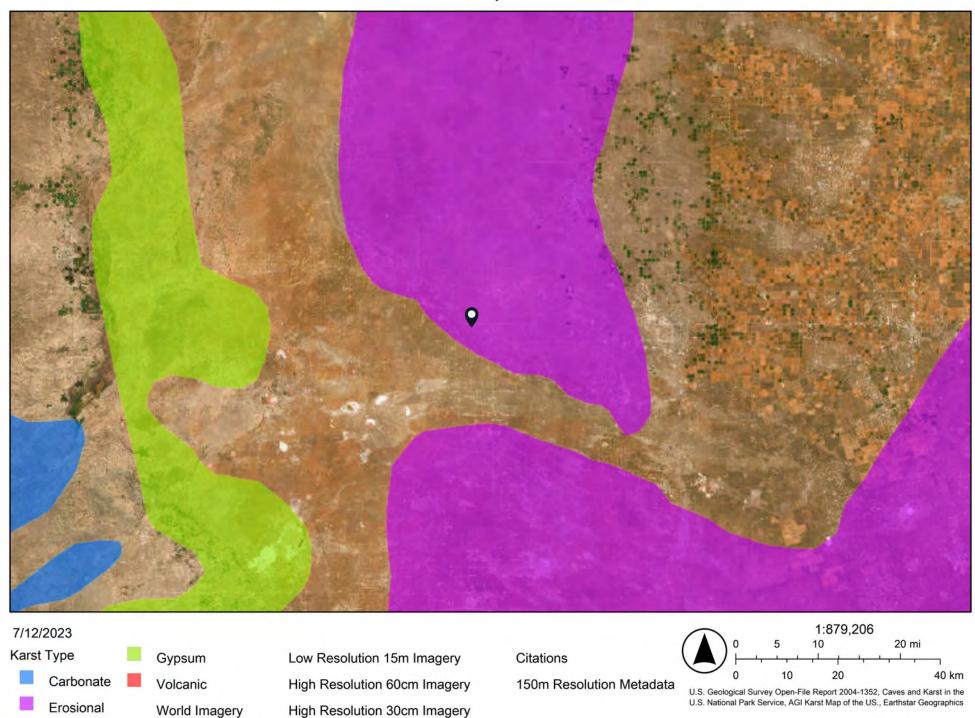
NMOCD Ref. #: nAPP2303030816

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)
	6/19/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SP1	6/19/23	4	Excavated	<0.050	0.822	19.8	765	785	18.5	803.3	304
	6/30/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	6/19/23	Surf	Excavated	<0.050	2.74	107	4360	4,467	125	4,592	256
SP2	6/19/23	4	Excavated	<0.050	0.661	41.4	1790	1,831	51.0	1,882.4	240
	6/30/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	6/19/23	Surf	Excavated	<0.050	1.93	108	3,660	3,768	85.2	3,853.2	288
SP3	6/19/23	4	Excavated	<0.050	<0.300	<10.0	402	402	11.4	413.4	112
	6/30/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
HZ1	6/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
1121	6/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ2	6/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
1122	6/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ3	6/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
1123	6/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ4	6/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
1124	6/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL1	7/12/23	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL2	7/12/23	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL3	7/12/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW1	7/12/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW2	7/12/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW3	7/12/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NMOCD (Closure Crite	ria		10	50	-	-	N/A	-	100	600

NOTES:

Attachment I Karst and Wetland Maps

NW Raptor 6"





NW Raptor 6"



July 12, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond



Other





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 3:45 PM

To: Guadalupe Carrasco; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD; Velez, Nelson, EMNRD

Cc: Darin Kennard; Mary Taylor; Daniel Dominguez

Subject: RE: [EXTERNAL] nAPP2303030816 - NW Raptor 6" Steel Line

Mr. Carrasco,

Your request for an extension is approved for 90 days from the due date to 07/27/2023. Extension requests should be submitted prior to the due date. This one was 04/27/23. 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 10:36 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] nAPP2303030816 - NW Raptor 6" Steel Line

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 nAPP2303030816 - NW Raptor 6" Steel Line. NMSLO Right of Entry permits where 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: Monday, July 10, 2023 9:33 AM

To: Daniel Dominguez

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Closure Samples

Daniel,

The OCD has received your notification. 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



From: Daniel Dominguez <ddominguez@hungry-horse.com>

Sent: Monday, July 10, 2023 5:55 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

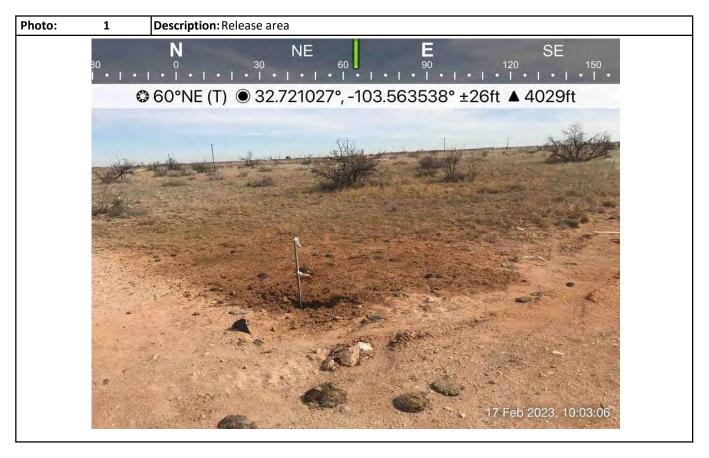
Subject: [EXTERNAL] Closure Samples

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 NW Raptor 6" (nAPP2303030816) on Wednesday July 12, 2023 at 8 am. This is our 2 day notice.

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

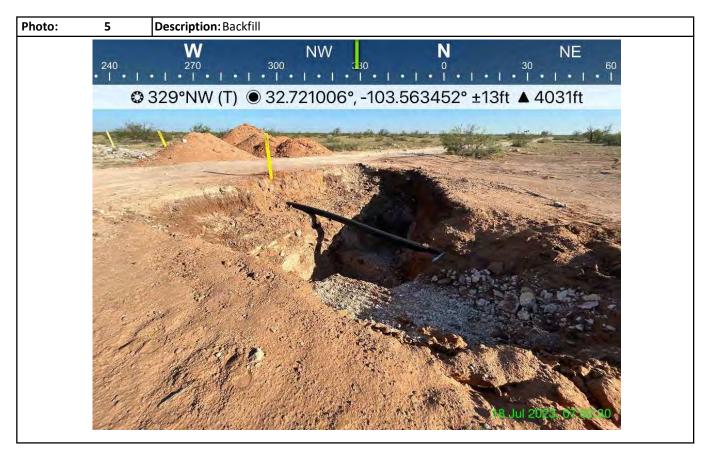
Attachment III Site Photographs



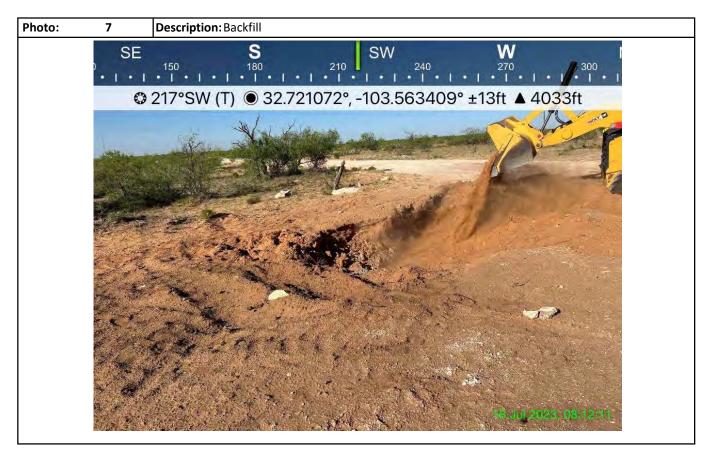


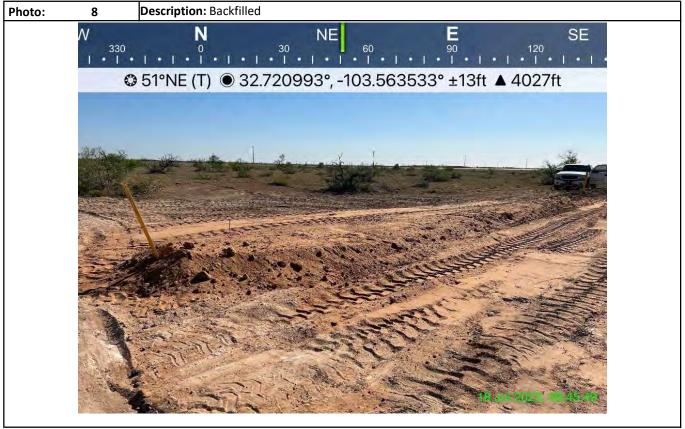












Attachment IV Depth to Groundwater



New Mexico Office of the State Engineer

Wells with Well Log Information

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right (R=POD has been replaced, O=orphaned,

C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

D-,

Licens Numbe

POD Number L 13634 POD1 POD
Code Subbasin County

SubbasinCountySource6416 4SeeTwsRngLLEShallow3 3 12718S34E

qqq

635352 3621122

Distance Start Date 747 08/27/2014

Finish Date 08/28/2014 08/19/2015

Depth
WellDepth
WaterValler
Driller182152NORRIS, JOHN D.

Numbi 1682

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 634619.14

Northing (Y): 3621270.28 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.

7/12/23 6:18 AM WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

3 3 1 27 18S 34E

X Y 635352 3621122

Driller License: 1682 Driller Company: HUNGRY HORSE, LLC.

Driller Name: NORRIS, JOHN D.

L 13634 POD1

Drill Start Date: 08/27/2014 **Drill Finish Date:** 08/28/2014 **Plug Date:**

Log File Date: 08/19/2015 **PCW Rcv Date:** Source: Shallow

Pump Type: SUBMER Pipe Discharge Size: Estimated Yield:

Casing Size: 12.00 Depth Well: 182 feet Depth Water: 152 feet

Water Bearing Stratifications: Top Bottom Description

152 172 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom

0 182

Meter Number: 17066 Meter Make: MCCROMETER

Meter Serial Number:15-10127-3Meter Multiplier:10.0000Number of Dials:6Meter Type:Diversion

Unit of Measure: Gallons Return Flow Percent:

Usage Multiplier: Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Onlin
08/03/2016	2016	0	A	RPT initial reading	0
02/20/2017	2017	143191	A	RPT	4.394
04/01/2017	2017	161452	A	RPT	0.560
05/01/2017	2017	167411	A	RPT	0.183
06/05/2017	2017	172737	A	RPT	0.163
08/01/2017	2017	280365	A	ap	3.303
09/01/2017	2017	310945	A	ap	0.938
10/01/2017	2017	320550	A	ap	0.295
11/01/2017	2017	342420	A	ap	0.671
12/01/2017	2017	361357	A	ap	0.581
01/01/2018	2018	511044	A	ap	4.594

Amount	Year	**YTD Meter Amounts:
0	2016	
11.088	2017	
4.594	2018	

Meter Number: 18720 **Meter Make:** MCCROMETER

Meter Serial Number:15910127-3Meter Multiplier:10.0000Number of Dials:6Meter Type:Diversion

Unit of Measure: Gallons Return Flow Percent:

 Usage Multiplier:
 Reading Frequency:
 Monthly

x

Meter Readings (in Acre-Feet)

1	reter reading	5 (111 114	16 1 661)				
	Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
	11/03/2017	2017	342420	A	ym		0
	01/01/2018	2018	511044	A	ap		5.175
	02/01/2018	2018	536165	A	ap		0.771
	03/01/2018	2018	543423	A	ap		0.223
	04/01/2018	2018	623664	A	ap		2.463
	05/01/2018	2018	629836	A	ap		0.189
	06/01/2018	2018	646776	A	ap		0.520
	07/01/2018	2018	665122	A	ap		0.563
	09/01/2018	2018	704323	A	ap		1.203
	10/01/2018	2018	860350	A	ap		4.788
	11/01/2018	2018	906652	A	ap		1.421
	12/01/2018	2018	956445	A	ap		1.528
	12/31/2018	2018	983268	A	ap		0.823
	01/31/2019	2019	13865	R	ap	Meter Rollover	0.939
	02/28/2019	2019	32885	A	ap		0.584
	03/31/2019	2019	55958	A	ap		0.708
	04/30/2019	2019	85694	A	ap		0.913
	05/31/2019	2019	164242	A	ap		2.411
	06/30/2019	2019	215075	A	ap		1.560
	10/31/2019	2019	418145	A	ap		6.232
	11/30/2019	2019	445833	A	ap		0.850
	12/31/2019	2019	452861	A	ap		0.216
	01/31/2020	2020	487128	A	ap		1.052
	02/29/2020	2020	522816	A	ap		1.095
	03/31/2020	2020	571391	A	ap		1.491
	04/30/2020	2020	615769	A	ap		1.362
	07/31/2020	2020	772039	A	dd		4.796
	08/31/2020	2020	796910	A	dd		0.763
	09/30/2020	2020	815228	A	dd		0.562
	10/31/2020	2020	845140	A	dd		0.918
	01/31/2021	2021	944870	A	dd		3.061
	02/28/2021	2021	960694	A	dd		0.486
	03/31/2021	2021	89199	R	dd	Meter Rollover	3.944
	04/30/2021	2021	103251	A	dd		0.431
	05/31/2021	2021	118565	A	dd		0.470
	08/31/2021	2021	134375	A	dd		0.485
	09/30/2021	2021	138554	A	dd		0.128
	11/30/2021	2021	147326	A	dd		0.269
	12/30/2021	2021	151036	A	dd		0.114
	01/30/2022	2021	216018	A	dd		1.994
	03/30/2022	2022	274255	A	dd		1.787
	05/30/2022	2022	314730	A	dd		1.242
	06/30/2022	2022	358617	A	dd		1.347
	07/30/2022	2022	427706	A	dd		2.120

08/30/2022	2022	462456	A	dd	1.066
09/30/2022	2022	478207	A	dd	0.483
10/30/2022	2022	530279	A	dd	1.598
11/30/2022	2022	596557	A	dd	2.034
12/30/2022	2022	632551	A	dd	1.105
01/30/2023	2023	678395	A	dd	1.407

**YTD Meter Amounts:	Year	Amount
	2017	0
	2018	19.667
	2019	14.413
	2020	12.039
	2021	11.382
	2022	12.782
	2023	1.407

Meter Number: 18721 Meter Make: MCCROMETER

Meter Serial Number:15-10127-3Meter Multiplier:10.0000Number of Dials:6Meter Type:Diversion

Unit of Measure: Gallons Return Flow Percent:

Usage Multiplier: Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
11/03/2017	2017	342420	A	ym		0
01/01/2018	2018	511044	A	ym		5.175
02/01/2018	2018	536165	A	ap		0.771
03/01/2018	2018	543423	A	ap		0.223
04/01/2018	2018	623664	A	ap		2.463
05/01/2018	2018	629836	A	ap		0.189
06/01/2018	2018	646776	A	ap		0.520
07/01/2018	2018	665122	A	ap		0.563
09/01/2018	2018	704323	A	ap		1.203
10/01/2018	2018	860350	A	ap		4.788
11/01/2018	2018	906652	A	ap		1.421
12/01/2018	2018	956445	A	ap		1.528
12/31/2018	2018	983268	A	ap		0.823
01/31/2019	2019	13865	R	ap	Meter Rollover	0.939
02/28/2019	2019	32885	A	ap		0.584
03/31/2019	2019	55958	A	ap		0.708
04/30/2019	2019	85694	A	ap		0.913
05/31/2019	2019	164242	A	ap		2.411
06/30/2019	2019	215075	A	ap		1.560
10/31/2019	2019	418145	A	ap		6.232
11/30/2019	2019	445833	A	ap		0.850
12/31/2019	2019	452861	A	ap		0.216
01/31/2020	2020	487128	A	ap		1.052
02/29/2020	2020	522816	A	ap		1.095
03/31/2020	2020	571391	A	ap		1.491
04/30/2020	2020	615769	A	ap		1.362

07/31/2020	2020	772039	A	dd		4.796
08/31/2020	2020	796910	A	dd		0.763
09/30/2020	2020	815228	A	dd		0.562
10/31/2020	2020	845140	A	dd		0.918
01/31/2021	2021	944870	A	dd		3.061
02/28/2021	2021	960694	A	dd		0.486
03/31/2021	2021	89199	R	dd	Meter Rollover	3.944
04/30/2021	2021	103251	A	dd		0.431
05/31/2021	2021	118565	A	dd		0.470
08/31/2021	2021	134375	A	dd		0.485
09/30/2021	2021	138554	A	dd		0.128
11/30/2021	2021	147326	A	dd		0.269
12/30/2021	2021	151036	A	dd		0.114
01/30/2022	2022	216018	R	dd		1.994
03/30/2022	2022	274255	A	dd		1.787
05/30/2022	2022	314730	A	dd		1.242
06/30/2022	2022	358617	A	dd		1.347
07/30/2022	2022	427706	A	dd		2.120
X					-	

**YTD Meter Amounts:	Year	Amount
	2017	0
	2018	19.667
	2019	14.413
	2020	12.039
	2021	9.388
	2022	8.490

Meter Number: 18722 Meter Make: MCCROMETER

Meter Serial Number:15-10127-3Meter Multiplier:10.0000Number of Dials:6Meter Type:Diversion

Unit of Measure: Gallons Return Flow Percent:

Usage Multiplier: Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
11/03/2017	2017	342420	A	ym	0
01/01/2018	2018	511044	A	ap	5.175
02/01/2018	2018	536165	A	ap	0.771
03/01/2018	2018	543423	A	ap	0.223
04/01/2018	2018	623664	A	ap	2.463
05/01/2018	2018	629836	A	ap	0.189
06/01/2018	2018	646776	A	ap	0.520
07/01/2018	2018	665122	A	ap	0.563
09/01/2018	2018	704323	A	ap	1.203
10/01/2018	2018	860350	A	ap	4.788
11/01/2018	2018	906652	A	ap	1.421
12/01/2018	2018	956445	A	ap	1.528
12/31/2018	2018	983268	A	ap	0.823
01/31/2019	2019	13865	R	ap Meter Rollov	ver 0.939
02/28/2019	2019	32885	A	ap	0.584

03/31/2019	2019	55958	A	ap	0.708
04/30/2019	2019	85694	A	ap	0.913
05/31/2019	2019	164242	A	ap	2.411
06/30/2019	2019	215075	A	ap	1.560
10/31/2019	2019	418145	A	ap	6.232
11/30/2019	2019	445833	A	ap	0.850
12/31/2019	2019	452861	A	ap	0.216
01/31/2020	2020	487128	A	ap	1.052
02/29/2020	2020	522816	A	ap	1.095
03/31/2020	2020	571391	A	ap	1.491
04/30/2020	2020	615769	A	ap	1.362
11/30/2020	2020	903190	A	WEB	8.821 X
**YTD Met	er Amounts:	Year		Amount	
		2017		0	
		2018		19.667	
		2019		14.413	
		2020		13.821	

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

7/12/23 6:37 AM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Groundwater **United States** GO

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- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323345103334501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323345103334501 18S.34E.22.33443

Lea County, New Mexico

<u>Table of data</u>

Latitude 32°43'34", Longitude 103°33'10" NAD27

Land-surface elevation 4,013 feet above NAVD88

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

<u>Tab-separate</u>	ed data									
<u>Graph of dat</u>	: <u>a</u>									
Reselect peri	<u>iod</u>									
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1961-03-09		D	62610		3901.44	NGVD29	1	Z		
1961-03-09		D	62611		3903.07	NAVD88	1	Z		
1961-03-09		D	72019	109.93			1	Z		
1965-02-16	i	D	62610		3900.90	NGVD29	1	Z		
1965-02-16		D	62611		3902.53	NAVD88	1	Z		
1965-02-16	i	D	72019	110.47			1	Z		
1966-02-07		D	62610		3901.10	NGVD29	1	Z		
1966-02-07		D	62611		3902.73	NAVD88	1	Z		
1966-02-07		D	72019	110.27			1	Z		
1967-01-03		D	62610		3902.15	NGVD29	1	Z		
1967-01-03		D	62611		3903.78	NAVD88	1	Z		
1967-01-03		D	72019	109.22			1	Z		
1968-01-02		D	62610		3901.92	NGVD29	1	Z		
1968-01-02		D	62611		3903.55	NAVD88	1	Z		
1968-01-02		D	72019	109.45			1	Z		
1969-01-14		D	62610		3901.53	NGVD29	1	Z		
1969-01-14		D	62611		3903.16	NAVD88	1	Z		

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1969-01-14		D	72019	109.84			1	Z		
1970-01-05		D	62610		3901.30	NGVD29	1	Z		
1970-01-05		D	62611		3902.93	NAVD88	1	Z		
1970-01-05		D	72019	110.07			1	Z		
1971-01-12		D	62610		3901.57	NGVD29	1	Z		
1971-01-12		D	62611		3903.20	NAVD88	1	Z		
1971-01-12		D	72019	109.80			1	Z		
1971-02-05		D	62610		3901.61	NGVD29	1	Z		
1971-02-05		D	62611		3903.24	NAVD88	1	Z		
1971-02-05		D	72019	109.76			1	Z		
1972-01-13		D	62610		3900.55	NGVD29	1	Z		
1972-01-13		D	62611		3902.18	NAVD88	1	Z		
1972-01-13		D	72019	110.82			1	Z		
1973-01-10		D	62610		3901.70	NGVD29	1	Z		
1973-01-10		D	62611		3903.33	NAVD88	1	Z		
1973-01-10		D	72019	109.67			1	Z		
1974-01-08		D	62610		3901.40	NGVD29	1	Z		
1974-01-08		D	62611		3903.03	NAVD88	1	Z		
1974-01-08		D	72019	109.97			1	Z		
1975-01-08		D	62610		3901.45	NGVD29	1	Z		
1975-01-08		D	62611		3903.08	NAVD88	1	Z		
1975-01-08		D	72019	109.92			1	Z		
1976-01-13		D	62610		3901.38	NGVD29	1	Z		
1976-01-13		D	62611		3903.01	NAVD88	1	Z		
1976-01-13		D	72019	109.99			1	Z		
1976-02-12		D	62610		3901.55	NGVD29	1	Z		
1976-02-12		D	62611		3903.18	NAVD88	1	Z		
1976-02-12		D	72019	109.82			1	Z		
1977-01-08		D	62610		3901.28	NGVD29	1	Z		
1977-01-08		D	62611		3902.91	NAVD88	1	Z		
1977-01-08		D	72019	110.09			1	Z		
1979-01-04		D	62610		3900.92	NGVD29	1	Z		
1979-01-04		D	62611		3902.55	NAVD88	1	Z		
1979-01-04		D	72019	110.45			1	Z		
1980-01-03		D	62610		3900.79	NGVD29	1	Z		
1980-01-03		D	62611		3902.42	NAVD88	1	Z		
1980-01-03		D	72019	110.58			1	Z		
1981-01-06		D	62610		3900.45	NGVD29	1	Z		
1981-01-06		D	62611		3902.08	NAVD88	1	Z		
1981-01-06		D	72019	110.92			1	Z		
1983-01-04		D	62610		3900.47	NGVD29	1	Z		
1983-01-04		D	62611		3902.10	NAVD88	1	Z		
1983-01-04		D	72019	110.90			1	Z		

		Explanation				
Section		Description				
Water-level date-time accuracy	D	Date is accurate to the Day				
Parameter code	62610	Groundwater level above NGVD 1929, feet				

Section	Code	Description
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions or Comments Automated retrievals <u>Help</u> Data Tips Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-07-12 15:26:51 EDT

0.28 0.25 nadww02



Attachment V Field Data

Hungry Horse, LLC

Sample Log

Date:

Project: NW Raptor 6"

Latitude: 32.62748 Longitude: -103.71086 Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SPI-Surface	Surface	NONE	2.8@ 80X4 = 320	
SP 1.	J ¹	Story	3.40 10989= 436	
SPI	2'	mild	3.60 120 X4= 480	
SPI	3'	slit	3.8@ 132X4= 528	
SPI	4'	None	2.80 80x4 = 320	
SP2	9urface	None	3.0@ 89X4= 35/e	
SP2	l'	Strong	3.2@ 99X4= 396	
SP2	2'	mild	3.00 89X4= 356	
SPZ	3'	slit	3.6@ 120x4= 420	
5P2	4'	None	2.6@71X4=284	
SP3	Surface	None	3.0@ 89.44 = 356	
SP3	1,	Strang	3.4 @ 109x4=436	
sP3	2'	mila	3.6@ 120X4 = 480	
SP3	3'	slit	3,8 @ 132X4= 523	
5P3	Ч'	None	2.80 80 X4 = 320	
Sample Point = SP1 @	## etc		Horizontal = HZ1 etc	Test Trench = TT1 @ ##

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

Date: 06-19-2023

Hungry Horse, LLC

Sample Log

Project:	NW	Raptor	6"
----------	----	--------	----

Latitude: 32.62748 Longitude: -103.71086 Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor		GPS
HZI-Surface	Surface		2.80 80x4= 320	
HZt- 1) t		1.6@ 34x4= 136	
HZ2-Surface	Burlace		1.6@ 34X4 = 136	
122-11	1,		0.8 > 100	
123-Surface	Surface		1.4@28x4= 112	
Hz3-1'	1,		0.1 > 100	
HZ4-Surface	Surface		1.4@ 28x4= 112	
Hz4-1'	T _e		1,6034*4=136	
~				
۷.				

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment VI Laboratory Analytical Reports



June 23, 2023

DANIEL DOMINGUEZ
Hungry Horse Environmental

P.O. Box 1058 Hobbs, NM 88240

RE: NW RAPTOR 6"

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 13:45.

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: UL / G SEC 28 T18S - R34E

mg/kg

Sample ID: HZ 1 - SURF (H233160-01)

BTEX 8021B

DILX 6021D	ilig	r kg	Allalyze	a by. 311/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID 114 % 71.5-13		4							
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	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: HZ 1 - 1' (H233160-02)

RTFY 8021R

B1EX 8021B	mg,	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: HZ 2 - SURF (H233160-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	< 0.050	0.050	06/21/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
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	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact Sample Received By: Project Number: FRONTIER FS Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: HZ 2 - 1' (H233160-04)

BTEX 8021B	mg/kg		Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	71.5-13	4						
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	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	120 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact Sample Received By: Project Number: FRONTIER FS Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: HZ 3 - SURF (H233160-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: HZ 3 - 1' (H233160-06)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: HZ 4 - SURF (H233160-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: HZ 4 - 1' (H233160-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact Sample Received By: Project Number: FRONTIER FS Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 1 - SURF (H233160-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	
Total BTEX	<0.300	0.300	06/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	122 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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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: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: SP 1 - 4' (H233160-10)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	0.822	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	GC-NC1
Total BTEX	0.822	0.300	06/22/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.8	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	765	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	18.5	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 06/19/2023 Sampling Date: 06/19/2023
Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 2 - SURF (H233160-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	GC-NC
Total Xylenes*	2.74	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	GC-NC1
Total BTEX	2.74	0.300	06/22/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	107	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	4360	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	125	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	142	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	233	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 2 - 4' (H233160-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	
Total Xylenes*	0.661	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	GC-NC1
Total BTEX	0.661	0.300	06/22/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	41.4	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	1790	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	51.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	160	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 3 - SURF (H233160-13)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	0.949	
Toluene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.22	111	2.00	0.101	GC-NC
Total Xylenes*	1.93	0.150	06/22/2023	ND	6.67	111	6.00	0.0969	GC-NC1
Total BTEX	1.93	0.300	06/22/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	108	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	3660	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	85.2	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	145	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	218	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 3 - 4' (H233160-14)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.17	109	2.00	2.83	
Toluene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	2.56	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	2.97	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.39	106	6.00	3.28	GC-NC1
Total BTEX	<0.300	0.300	06/22/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/21/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	180	89.8	200	0.860	
DRO >C10-C28*	402	10.0	06/21/2023	ND	186	93.1	200	2.63	
EXT DRO >C28-C36	11.4	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Celey & Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

nterfering compounds.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Company Name:	- G	FAX (5	75) 393-2	476						+			o o	70					2	2		5	11561			Pag
Project Manager:	Daniel Dominguez	.C								0	# 00	*	8	BILL TO					- ≥	ANALYSIS	_	REC	REQUEST		-	 -
Address: PO	S.									0	om	pan	F	Company Frontier Field Services,	rvices, LLC											
City: Hobbs		State:	MN	Zi	Zip:	88241	41			A	Attn:	P	nbe	Amber Groves												
Phone #: 575	575 393-3386	Fax #:		1						A	ddr	ess	47	Address: 47 Conoco Rd						_						
Project #:		Project Owner:	Owner:	From	Frontier Field Services, LLC	ield	Sen	rices	E		City:		Maljamar	nar					_	_						
Project Name:	NW Raptor 6"									S	State: NM		<	Zip: 88264	4					_					_	
Project Location:	: UL/ G Sec 28 T18S - R34E	8S - R3	#E							P	hon	e #	57	Phone #: 575-703-7992						_						
Sampler Name:	Jerry Heidelberg									77	Fax #:		- 1													
FOR LAB USE ONLY				٥.	\Box	41	-	MATRIX	×	+ F	P	慮	PRESERV.	SAMPLING	G				_							
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-	HZ1-1'			G	7			×	-			×		6/19/23		×	×	×		-	_					
-	HZ2-Surf			G	_			×				×		6/19/23		×	×	×								
4	HZ2-1'			G	_			×				×		6/19/23		×	×	×							-	
S	HZ3-Surf			G	1	-	0	×				×		6/19/23		×	×	×								
6	HZ3-1'			G	-		0	×				×		6/19/23		×	×	×								
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ox.	HZ4-1'			G	_		-	×				×		6/19/23		×	×	×	-		-					
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PLEASE NOTE: Liability and I analyses. All claims including service. In no event shall Card affiliates or successors arising	PLEASE NOTE: Liability and Damages. Cardinat'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 the client for the analyses. All claims including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal whitin 30 days after completion of the applicable service. In no event shall Cardinale le liable for incidental or consequential damages, including whitinout firmation, business interruptions, loss of use, to loss of profits incurred by client, its subcidiaries, affiliates of successors arising out of or related to incidental or consequence for contract profits and report to the contract of the contract profits incurred by Cardinal services of successors arising out of or related to the performance of sendors hereinfelled by the contract profits and the contract of the contract o	e of services t	e remedy for any oever shall be do ages, including v	claim ari semed wa without lim	sing wh ived uni	less ma	ade in	in cont writing truption	and re	tort, si ceived of us	by Co	limited ardinal	be limited to the arr Cardinal within 30 or loss of profits incu	amount paid by the client for the 30 days after completion of the a ncurred by client, its subsidiaries,	client for the etion of the applic subsidiaries,	able										
Relinquished By:	W. OC	Date	C-19-23 Received By:	Rec	ceive	De De	Y:				6			1	Phone Result: Fax Result:	- 1 1	□ Yes	O No		Add'l Phone #: Add'l Fax #:	ne #:					
Relibratished By:	Madulling	P Time:	2,862	Ree	Received By:	d B	× Cll	A.	1	R		Con the	A	B	REMARKS: Email resul	ts		pm@hungry-horse.com	ngry-h	orse.c	om l					
Delivered By: (Circle One) Sampler - UPS - Bus - Other	(Circle One) Bus - Other:	100	14.5	140	w	S S	Sample Condition Cool Intact Cool Yes Yes	0 = 0 0 = 0	Condition of the Condit	o s lon		र इ	ECKED (Initials)	CHECKED BY: (Initials)				agroves@durangomidstream.com	@dura	angom	idstrea	am.c	mo			
† Cardinal canno	Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	nges. P	lease fax	writte	3	1		P	2	l°	r	<	į				l		l	l	l					
					5	IBI	les.	105	75	93	247	50														

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(575) 393-2326 FAX (575) 393-2476	FAX (57	5) 393-24	176																								ge
Company Name:	Hungry Horse LLC	C			1		1					뾝	BILL TO					A	ANALYSIS	SIS		EQ	REQUEST	7				Paç
Project Manager:		Z							P	P.O. #:							-	\dashv							\dashv	_	\dashv	₽,
Address: POB	S.								င္ပ	Company	Ŋ	Fron	Frontier Field Services,	rvices, LLC														_
City: Hobbs		State:	MN	Zip:		88241			At	ä	Amt.	er C	Attn: Amber Groves				_											
e #:	575 393-3386	Fax #:			1				Ad	dres	S:	17 C	Address: 47 Conoco Rd		_		_											_
Project #:		Project Owner:	Owner:	Front	Frontier Field Services, LLC	ld Se	vices	S, LLC	City:		Maljamar	ama					_								_			
Project Name: N	NW Raptor 6"								Sta	State: NM	N N	2	Zip: 88264	+			_											
Project Location:	UL/ G Sec 28 T18S - R34E	8S - R34	Ė						Ph	Phone #:	#	575-	575-703-7992				_								_			
Sampler Name:	Jerry Heidelberg								Fa	Fax #:																		
FOR LAB USE ONLY				٥.	\forall	1_[MATRIX	- ≈	11	PR	PRESERV.	?	SAMPLING	iG											_			
Lab I.D. #233160	Sample I.D.	I.D.		(G)RAB OR (C)OMF	# CONTAINERS GROUNDWATER	WASTEWATER	SOIL	OIL SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	ТРН	BTEX 8021											
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12 8	SP2-4			G			×				×		6/19/23		×	×	×											
138	SP3-Surf			G	-1		×				×		6/19/23		×	×	×	-										
148	SP3-4'			G			×	+			×	+	6/19/23		×	×	×	+			+				+			
					+++			+++				+																
PLEASE NOTE: Liability and I analyses. All claims including t service. In no event shall Cardi	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remody for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whateoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	lient's exclusive r cause whatso sequental dama	e remedy for any oever shall be de ages, including w	claim arisi erned waiv ithout limit	ng wheth red unles ation, bu	ner base is made siness in	d in con in writin iterrupti	tract or g and re ons, los	tort, sha sceived s of use	by Carr	nited to final wi	the an thin 30 fits incu	ount paid by the client for the days after completion of the a rred by client, its subsidiaries.	client for the letion of the applica subsidiaries,	able													
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Relinquished By:	Monther	Date:		To Re	Received By:	By:		8	8	É	8	4	(Email results to:	sults		pm@hungry-horse.com agroves@durangomidstream.com	gry-h gdura	orse	con	trea	m.cc	ä					
Delivered Bv: (Circle One) Sampler - UPS - Bus - Other		5718	5.10/4.50	#		Sample Condition Cool Intact A Yes A Yes No No	Sample Condition Cool Intact A Yes A Yes No No	tact Ve	tion		P SE	(Initials)	CHECKED BY: (Initials)															

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



July 03, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: NW RAPTOR 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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: 07/03/2023 Sampling Type: Soil Project Name: NW RAPTOR 6" Sampling Condition: Coo

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Shalyn Rodriguez

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 1 - 7' (H233392-01)

BTEX 8021B	mg/	'kg	Analyze	d 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	2.09	104	2.00	3.08	
Toluene*	<0.050	0.050	06/30/2023	ND	2.04	102	2.00	3.21	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	1.97	98.4	2.00	3.88	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	5.92	98.6	6.00	4.92	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d 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	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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Celey D. Keene



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: 07/03/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: UL / G SEC 28 T18S - R34E

mg/kg

Sample ID: SP 2 - 6' (H233392-02)

BTEX 8021B

	9/	9	7	7: : : :					
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	QM-07
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed 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	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

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Celey D. Keine



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: 07/03/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact Sample Received By: Project Number: FRONTIER FS Shalyn Rodriguez

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: SP 3 - 5' (H233392-03)

BTEX 8021B	mg/	/kg	Analyze	d 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	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d 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	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Company Name:	Hungry Horse LLC	C	1							_				B	BILL TO					AI	ANALYSIS	SIS		E E	REQUEST	Ē	14	1	1	1		1		Pí
Project Manager:	Daniel Dominguez	ez								_	P.O. #:	#											_		_			_						┰
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July 17, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: NW RAPTOR 6"

Enclosed are the results of analyses for samples received by the laboratory on 07/12/23 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



07/12/2023

Soil

Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 07/12/2023 Sampling Date: Reported: 07/17/2023 Sampling Type:

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Project Location: UL / G SEC 28 T18S - R34E

Sample ID: FL 1 (H233567-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.25	112	2.00	0.787	
Toluene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.15	108	2.00	1.49	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.65	111	6.00	1.17	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	212	106	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	226	113	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	8						

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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: 07/12/2023 Sampling Date: 07/12/2023

Reported: 07/17/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: FL 2 (H233567-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	1.97	98.7	2.00	2.88	
Toluene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	5.35	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.03	102	2.00	6.77	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.08	101	6.00	8.14	
Total BTEX	<0.300	0.300	07/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	212	106	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	226	113	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 07/12/2023 Sampling Date: 07/12/2023

Reported: 07/17/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: FL 3 (H233567-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	1.97	98.7	2.00	2.88	
Toluene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	5.35	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.03	102	2.00	6.77	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.08	101	6.00	8.14	
Total BTEX	<0.300	0.300	07/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	212	106	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	226	113	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 07/12/2023 Sampling Date: 07/12/2023

Reported: 07/17/2023 Sampling Type: Soil
Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact

Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: UL / G SEC 28 T18S - R34E

mg/kg

Sample ID: SW 1 (H233567-04)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	1.97	98.7	2.00	2.88	
Toluene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	5.35	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.03	102	2.00	6.77	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.08	101	6.00	8.14	
Total BTEX	<0.300	0.300	07/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	212	106	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	226	113	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 07/12/2023 Sampling Date: 07/12/2023

Reported: 07/17/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: SW 2 (H233567-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	1.97	98.7	2.00	2.88	
Toluene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	5.35	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.03	102	2.00	6.77	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.08	101	6.00	8.14	
Total BTEX	<0.300	0.300	07/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	212	106	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	226	113	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 07/12/2023 Sampling Date: 07/12/2023

Reported: 07/17/2023 Sampling Type: Soil

Project Name: NW RAPTOR 6" Sampling Condition: Cool & Intact
Project Number: FRONTIER FS Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: UL / G SEC 28 T18S - R34E

ma/ka

Sample ID: SW 3 (H233567-06)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 07/15/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	07/15/2023						Quac.
<0.050		, -, -==	ND	1.97	98.7	2.00	2.88	
	0.050	07/15/2023	ND	2.02	101	2.00	5.35	
<0.050	0.050	07/15/2023	ND	2.03	102	2.00	6.77	
<0.150	0.150	07/15/2023	ND	6.08	101	6.00	8.14	
<0.300	0.300	07/15/2023	ND					
106	% 71.5-13	4						
mg,	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64.0	16.0	07/13/2023	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/14/2023	ND	212	106	200	10.7	
<10.0	10.0	07/14/2023	ND	226	113	200	4.78	
<10.0	10.0	07/14/2023	ND					
77.6	% 48.2-13	4						
88.1	% 49.1-14	8						
	<0.050 <0.150 <0.300 106 9 mg/ Result 64.0 mg/ Result <10.0 <10.0 77.6	<0.050 0.050 <0.150 0.150 <0.300 0.300 106	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Relinquished By:

Time: 450 Date:

Received By:

Time:

Date: 7-(233

Received By:

Phone Result: Fax Result:

Yes

O No

Add'l Phone #: Add'l Fax #:

REMARKS:

Email results to:

pm@hungry-horse.com

gcarrasco@durangomidstream.com

Relinquis

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



1-		BILL TO		ANALYSIS RECLIEST	_ P
		*			Ц
Tojour manager.			_		_
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: NW Raptor 6"		State: NM Zip: 88264			
Project Location: UL/ G Sec 28 T18S - R34E		Phone #: 575-703-7992			
Sampler Name: Bradley Wells		Fax #:			
FOR LABUSE ONLY	IP. 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	Chloride TPH	BTEX 8021	
/ FL1	1 X	X 7/12/23	×	×	
2 FL2	C 1 X	X 7/12/23	×	×	
5 FL3	C 1 X	X 7/12/23	×	×	
	C 1 X	X 7/12/23	×	×	
S SW2	C 1 X	X 7/12/23	×	×	
C SW3	C 1 ×	X 7/12/23	×	×	

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Attachment VII NMOCD Form Initial C-141

Received by OCD: 8/2/2023 2:21:10 PM

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

Page 79 of 82

Incident ID	nAPP2303030816
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Frontier Field Services, LLC			OGRID 221115			
Contact Name Amber Groves			Contact	Contact Telephone 575-703-7992		
Contact email agroves@durangomidstream.com			Incident	Incident # (assigned by OCD)		
Contact maili	ng address	47 Conoco Rd, M	aljamar NM 8826	4		
atitude	32.72	1133			e -103.563545	
			(NAD 83 in deci	mal degrees to 5 de	cimal places)	
Site Name NW	/ Raptor 6"	Steel Line		Site Type	e Pipeline	
Date Release I	Discovered	1/27/2023		API# (if a	pplicable)	
Unit Letter	Section	Township	Range	Co	untv	
G	28	185	34E	County		
			Nature and	Volume of	Release	
	Material	l(s) Released (Select all		Charles A.	- 21-20162	vided below)
Crude Oil	Material	l(s) Released (Select all Volume Released	that apply and attach ca	Charles A.	Release The justification for the volumes pro Volume Recovered (bbls	
Crude Oil		l(s) Released (Select all Volume Released Volume Released	that apply and attach call (bbls)	Charles A.	ic justification for the volumes pro-	s)
- Committee		Volume Released Volume Released Is the concentration	that apply and attach can be described (bbls) I (bbls) on of dissolved chl	alculations or specif	Volume Recovered (bbls	s)
- Committee	Vater	Volume Released	that apply and attach can be described in the state of th	alculations or specif	Volume Recovered (bbls	s)
Produced V	Vater	Volume Released Volume Released Is the concentration produced water >	that apply and attach can be described (bbls) I (bbls) I (bbls) I (bols) I (bols) I (bbls)	alculations or specif	Volume Recovered (bbls	s) s)
Produced V	Vater	Volume Released Volume Released Is the concentration produced water > Volume Released Volume Released	that apply and attach can be described (bbls) I (bbls) I (bbls) I (bols) I (bols) I (bbls)	alculations or specifications of specifications are specificated as a specification of the sp	Volume Recovered (bbls Volume Recovered (bbls Volume Recovered (bbls Volume Recovered (bbls	s) s) f)

Received by 40CD: 8/2/2023 2:21:10 PM State of New Mexico
Page 2 Oil Conservation Division

	Daga QA of Q
Incident ID	nAPP2303030816
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the	ne responsible party consider this a major release?
The responsible		rial Response mmediately unless they could create a safety hazard that would result in injury
 ☑ The source of the rele ☑ The impacted area hat ☑ Released materials hat 	ease has been stopped. as been secured to protect human hea	alth and the environment. rms or dikes, absorbent pads, or other containment devices.
If all the actions describe	d above have <u>not</u> been undertaken, e	explain why:
has begun, please attach	a narrative of actions to date. If re-	mence remediation immediately after discovery of a release. If remediation medial efforts have been successfully completed or if the release occurred MAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environn failed to adequately investiga	required to report and/or file certain rele nent. The acceptance of a C-141 report ate and remediate contamination that po	the to the best of my knowledge and understand that pursuant to OCD rules and the case notifications and perform corrective actions for releases which may endanger by the OCD does not relieve the operator of liability should their operations have see a threat to groundwater, surface water, human health or the environment. In the prator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Amb	per Groves	Title: Sr. Environmental Specialist
Signature:	agomidstream.com	Date: <u>1/30/2023</u> Telephone: <u>(575)703-7992</u>
OCD Only		
Received by:		Date:

Gas Volume Release Report



	Gas Release Vol	lume Calcu	lator	
Date:		1/27/2023		
Site or Line Name:		MAL-NW Raptor 6" Steel Line LP		
Area of Hole in Pipe:	0.25		square inches	
Absolute Pressure:	72.5	ps	psia - absolute pressure (psia = psig gauge pressure + 14.	
Duration of Release:	60.00		minutes	
Actual Temperature:	47		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	24.32	MACF	T .	
Volume of Cas. SCT	122.04	AACCE		

	Notes	
	Entered by user	
all distil	Calculated Value	
	Constant	



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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 247201

CONDITIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
10077 Grogans Mill Rd. The Woodlands. TX 77380	Action Number: 247201
1	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

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