



Remediation Summary and Closure Request

BTA Oil Producers, LLC

Rojo 10-13

Lea County, New Mexico

Unit Letter "A", Section 27, Township 25 South, Range 33 East

Latitude 32.107294 North, Longitude 103.555319 West

NMOCD Incident # nAPP2324131406

Prepared For:

BTA Oil Producers, LLC

104 S. Pecos St.

Midland, TX 79701

Prepared By:

Hungry Horse, LLC

4024 Plains Hwy

Lovington, NM 88260

Office: (575) 393-3386

January 2024

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HUNGRY HORSE, LLC

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

Background:

The site is located in Unit Letter A (NE/NE), Section 27, Township 25 South, Range 33 East, approximately twenty miles West of Jal, in Lea County, New Mexico. The location is privately owned. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The event occurred at a tank on an active well pad; Latitude 32.107294 North, Longitude 103.555319 West. The Initial NMOCD Form C-141 indicated that on August 8, 2023, twenty-two bbls of crude oil were released when a valve on the separator was left closed causing the vessel to fill, sending oil to the compressor scrubber tank, and causing it to over fill. A vacuum truck was dispatched to the location and twenty-one bbls of fluid were recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VI.

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 III and results are depicted on Figures 2 & 3.

Well CP 04698 POD1 is located within a half mile of the release area with no depth to water listed. However, as the release area is located within a Karst designated area the release was delineated and further remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site is depicted in the table below.

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



Delineation and Remediation Activities:

On September 1, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On September 21, 2023 Hungry Horse personnel conducted delineation sampling. During sampling, hand augered test bores were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, hand augered sample bores were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the hand augered sample bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment IV, twenty-eight representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP4, HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the HZ1 through HZ4 submitted samples. Laboratory analytical results indicated contaminant concentrations were in excess of the NMOCD Closure Criteria in each of the SP1 through SP4 submitted samples.

From December 18 – 19, 2023, the release area was excavated to a depth ranging from approximately five and half feet to seven feet bgs. Soil impacted above the NMOCD Closure Criteria was excavated and temporarily stockpiled on site, atop plastic, before transport to an NMOCD approved disposal facility.

On January 5, 2024, twelve 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 FL8 and SW1 through SW4, 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 sixteen hundred square feet, and ranged from five and half feet to seven feet bgs in depth. During remediation activities approximately 420 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 V.



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

As the affected area is located on active tank battery and well pad, no seeding will be required.

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, BTA Oil Producers, LLC respectfully request closure of the Rojo 10-13 location, incident nAPP2324131406.

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:

BTA Oil Producers, LLC

104 S. Pecos St.

Midland, TX 79701

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2

811 S. First St.

Artesia, NM 88210

Kaml LTD, Harvey Williams III

Figures

**Figure 1**

Topographic Map
BTA Oil Producers, LLC
Rojo 10-13
GPS: 32.107294, -103.555319
Lea County

Legend:

● Rojo 10-13 Location

Drafted: bw
Checked: dd
Date: 9/4/23



**Figure 2**

OSE POD Locations Map
BTA Oil Producers, LLC
Rojo 10-13
GPS: 32.107294, -103.555319
Lea County

Legend:

- Rojo 10-13 Location
- Plugged OSE Water Well

Drafted: bw
Checked: dd
Date: 9/4/23



**Figure 3**

USGS Well Locations Map
BTA Oil Producers, LLC
Rojo 10-13
GPS: 32.107294, -103.555319
Lea County

Legend:

● Rojo 10-13 Location

Drafted: bw
Checked: dd
Date: 9/4/23



**Figure 4**

Delineation Sample Map
BTA Oil Producers, LLC
Rojo 10-13
GPS: 32.107294, -103.555319
Lea County

Legend:

- Release Area
- SP1 Delineation Sample Location
- HZ1 Horizontal Sample Location

Drafted: bw
Checked: dd
Date: 9/21/23



**Figure 5**

Excavation Sample Map

BTA Oil Producers, LLC

Rojo 10-13

GPS: 32.107294, -103.555319

Lea County

Legend:

Excavated Area



Composite Confirmation Sample Location



Drafted: dd

Checked: bw

Date: 1/5/24

Tables

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
BTA Oil Producers, LLC
Rojo 10-13
NMOCD Ref. #: nAPP2324131406

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	9/21/23	Surf	Excavated	0.473	65.2	1,520	9,780	11,300	1,620	12,920	32.0
	9/21/23	1	Excavated	1.04	123	3,110	7,850	10,960	1,230	12,190	48.0
	9/21/23	2	Excavated	1.72	252	3,760	10,300	14,060	1,670	15,730	32.0
	9/21/23	3	Excavated	<1.00	179	1,320	14,500	15,820	2,700	18,520	16.0
	9/21/23	4	Excavated	<0.050	14.0	275	1,480	1,755	324	2,079	<16.0
SP2	9/21/23	Surf	Excavated	0.615	52.3	5,750	12,400	18,150	1,900	20,050	32.0
	9/21/23	1	Excavated	0.666	112	2,140	6,270	8,410	1,000	9,410	16.0
	9/21/23	2	Excavated	3.99	259	2,140	15,700	17,840	3,040	20,880	16.0
	9/21/23	3	Excavated	0.753	106	1,880	4,390	6,270	728	6,998	<16.0
	9/21/23	4	Excavated	<0.050	13.3	276	1,400	1,676	264	1,940	16.0
SP3	9/21/23	Surf	Excavated	0.558	90.8	4,980	12,500	17,480	1,770	19,250	32.0
	9/21/23	1	Excavated	2.78	195	1,190	21,600	22,790	4,870	27,660	16.0
	9/21/23	2	Excavated	1.13	149	3,350	8,000	11,350	1,500	12,850	<16.0
	9/21/23	3	Excavated	<0.050	2.23	23.3	311	334	162	496	<16.0
	9/21/23	4	Excavated	<0.050	4.45	111	1,170	1,281	212	1,493	16.0
SP4	9/21/23	Surf	Excavated	0.45	55.3	7,360	14,100	21,460	2,390	23,850	<16.0
	9/21/23	1	Excavated	<1.00	79.8	2,550	6,610	9,160	1,150	10,310	<16.0
	9/21/23	2	Excavated	7.72	309	8,160	16,900	25,060	2,850	27,910	<16.0
	9/21/23	3	Excavated	1.93	132	3,710	9,080	12,790	1,620	14,410	32.0
	9/21/23	4	Excavated	0.09	27.5	378	1,530	1,908	357	2,265	32.0
HZ1	9/21/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	9/21/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	9/21/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	9/21/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128.0
HZ3	9/21/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	9/21/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ4	9/21/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	9/21/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL1	1/5/24	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL2	1/5/24	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	1/5/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL4	1/5/24	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL5	1/5/24	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL6	1/5/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL7	1/5/24	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL8	1/5/24	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW1	1/5/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	1/5/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW3	1/5/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW4	1/5/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

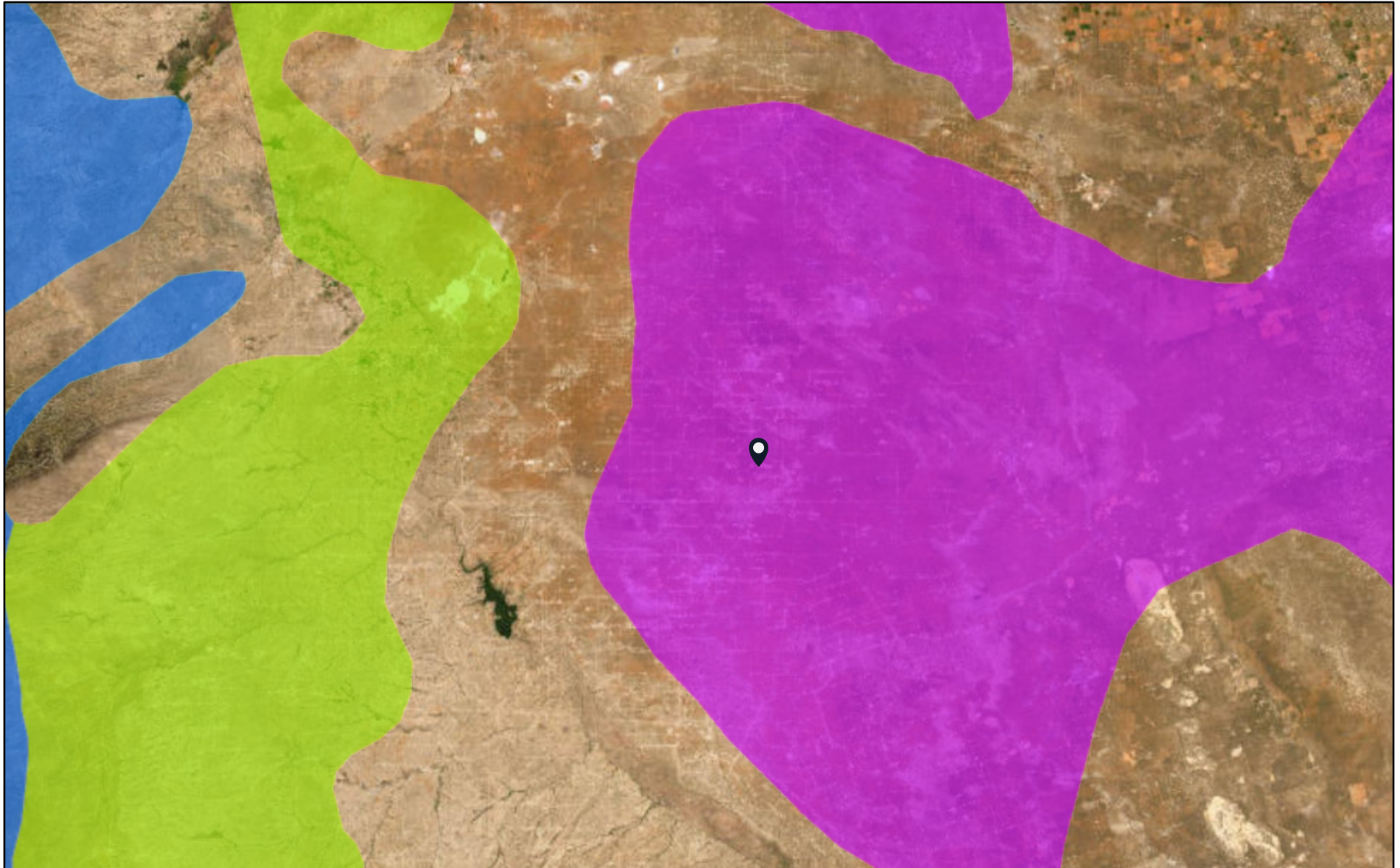
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst and Wetland Maps

Rojo 10-13



11/8/2023

Karst Type

- Carbonate
- Erosional
- Gypsum

■ Volcanic

World Imagery

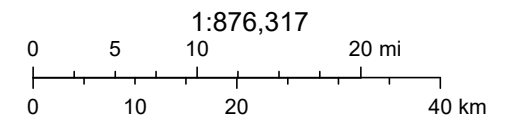
Low Resolution 15m Imagery

High Resolution 60cm Imagery

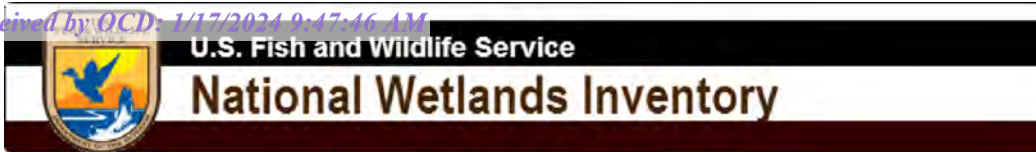
High Resolution 30cm Imagery

Citations

150m Resolution Metadata



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



Rojo 10-13



January 15, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

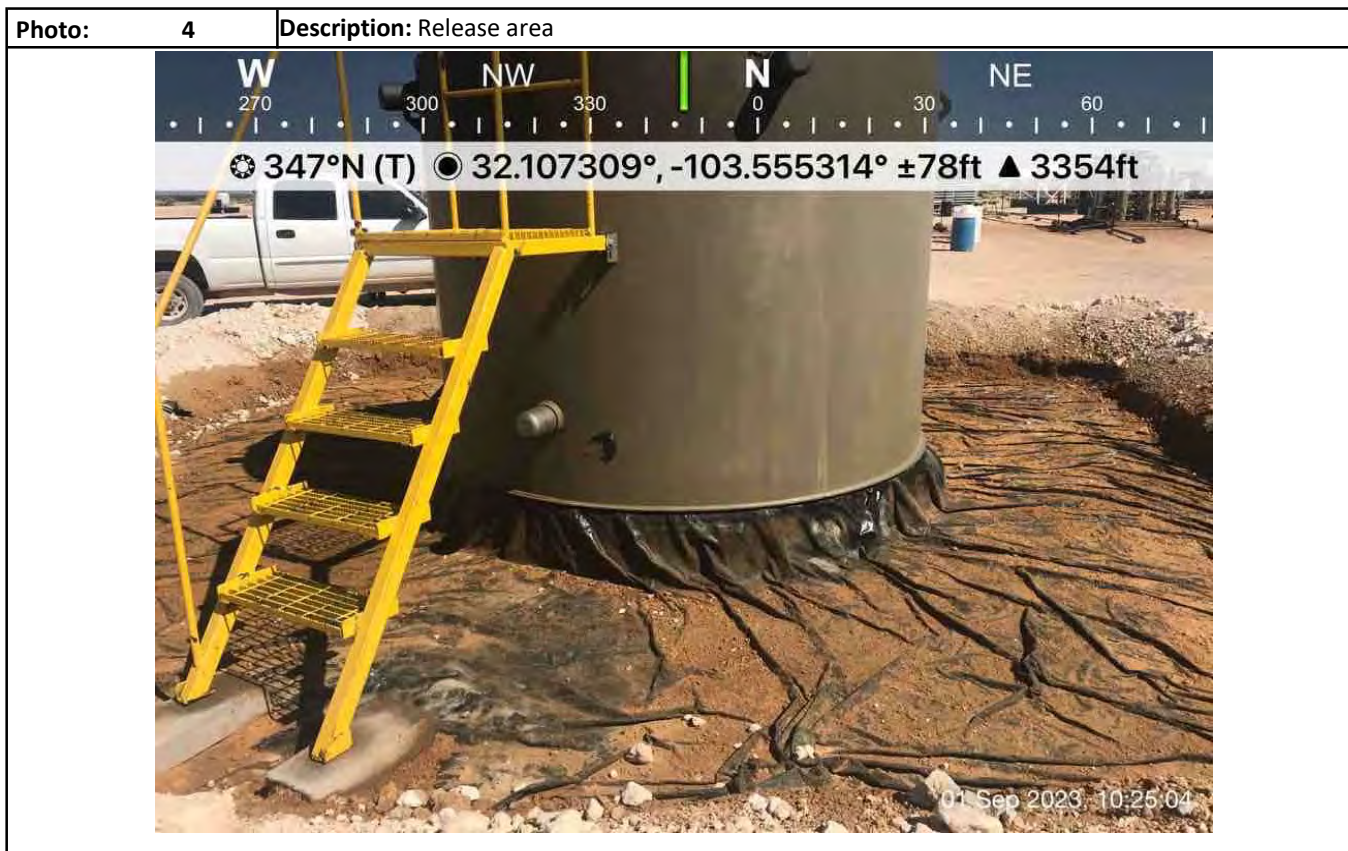
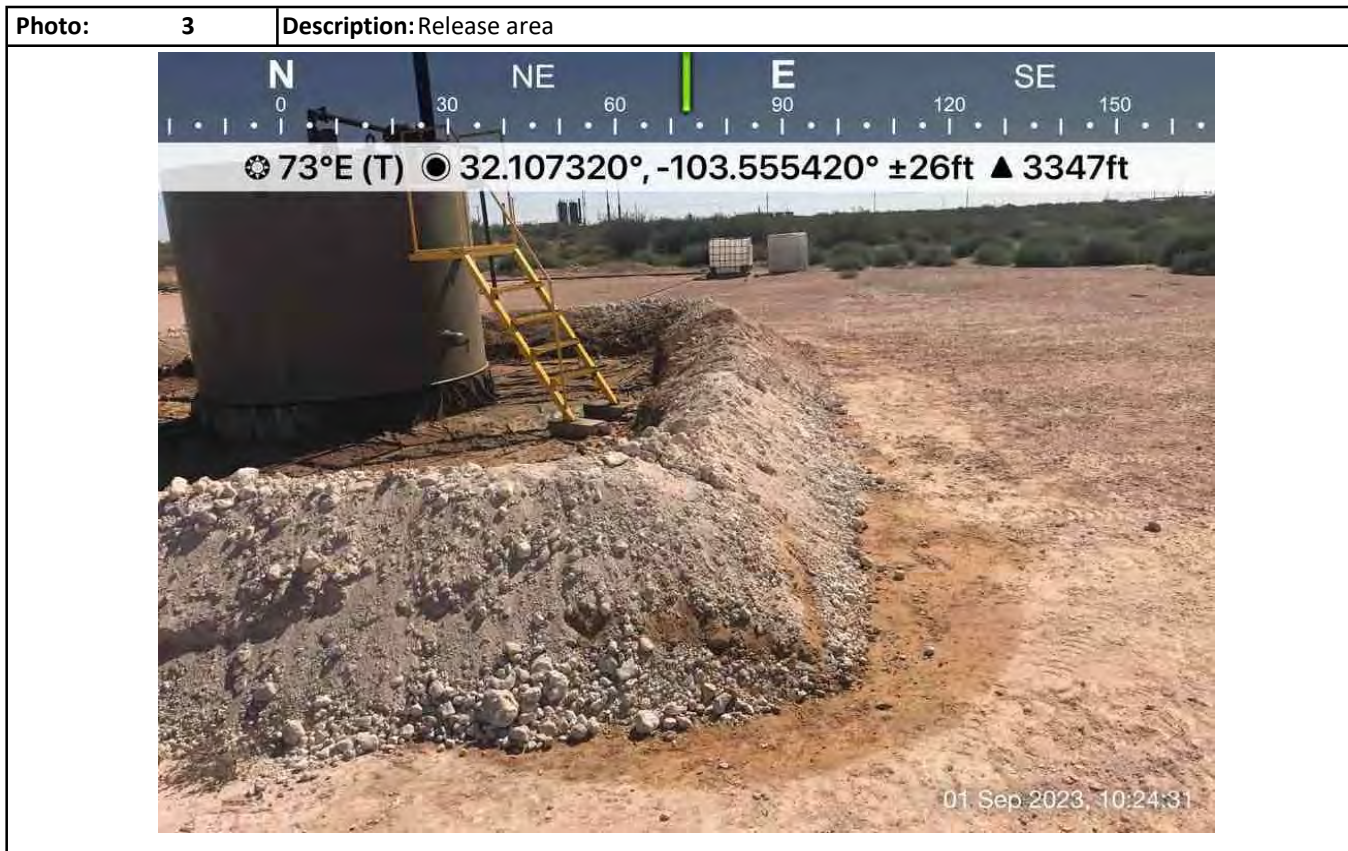
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Attachment II Site Photographs

Photographs



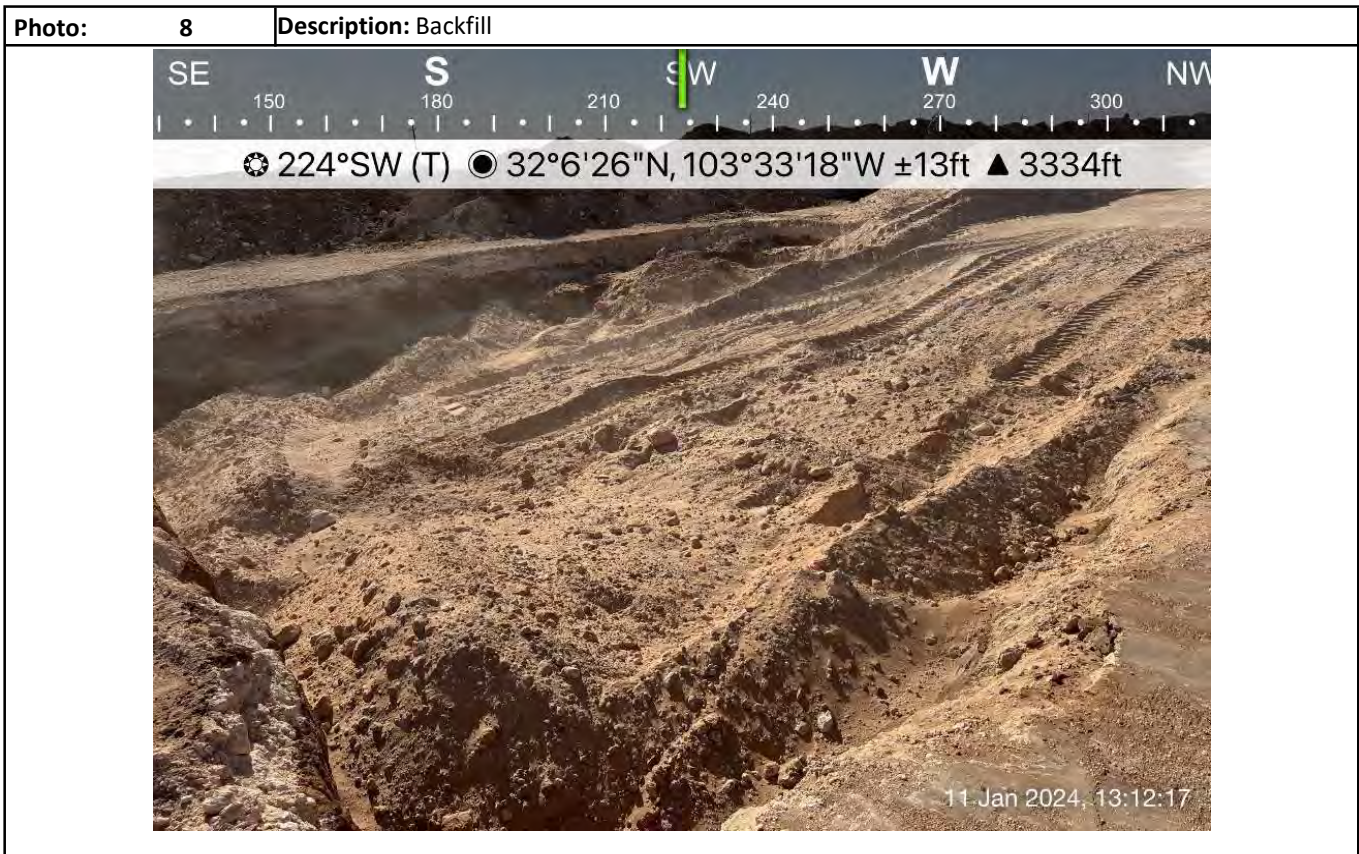
Photographs



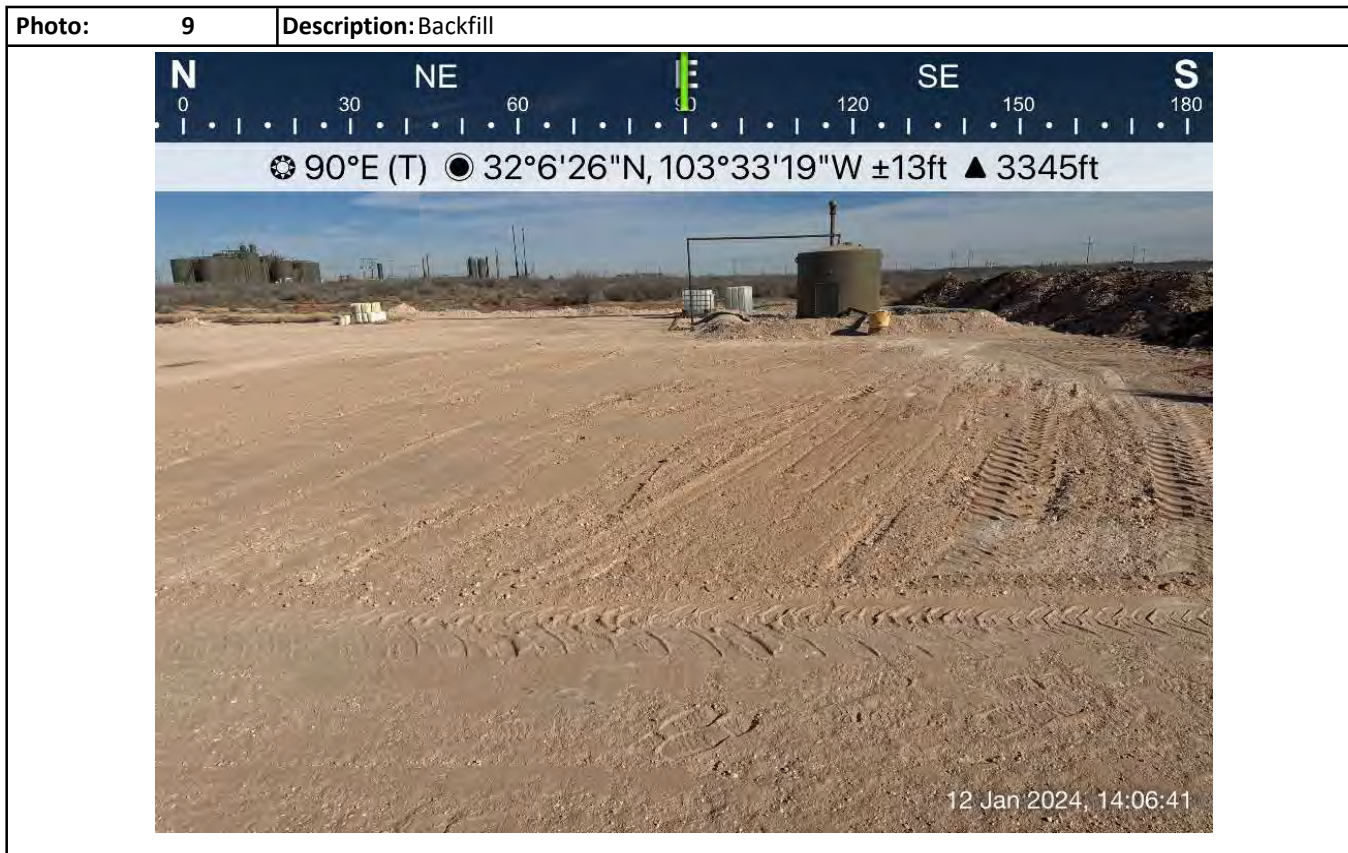
Photographs



Photographs



Photographs



Attachment III

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)

POD Number	Code	Subbasin	County	Source	64164	Sec	Tw	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	Licens Number	
C 04698 POD1		CUB	LE		2	1	4	27	25S	33E	635652	3553287	655	01/18/2023	01/18/2023	06/12/2023	80	RUSSELL SUTHERLAND	1184

Record Count: 1


UTMNAD83 Radius Search (in meters):

Easting (X): 636305.88 Northing (Y): 3553242.34 Radius: 805



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	X	Y		
NA	C 04698 POD1	2	1	4	27	25S	33E	635652	3553287		
x											
Driller License:	1184	Driller Company:				WEST TEXAS WATER WELL SERVICE					
Driller Name:	RUSSELL SUTHERLAND										
Drill Start Date:	01/18/2023	Drill Finish Date:				01/18/2023		Plug Date:	01/23/2023		
Log File Date:	06/12/2023	PCW Rev Date:						Source:			
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size:		Depth Well:				80 feet		Depth Water:			
x											

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.

11/8/23 2:06 PM

POINT OF DIVERSION SUMMARY

Attachment IV

Field Data

Hungry Horse, LLC

Sample Log

Project: Rojo 10-13

Date:

Karst: Yes Water: <50GPS: 32.107979, -103.554972Standard: TPH 100mg/kg, Chloride 600mg/kgSampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ 1	Surf		2.8@ 88X4 = 352	
	1'		0.6 > 100	
HZ 2	Surf		2.8@ 88X4 = 352	
	1'		3.0@ 98X4 = 392	
HZ 3	Surf		2.8@ 88X4 = 352	
	1'		2.8@ 88X4 = 352	
HZ 4	Surf		2.8@ 88X4 = 352	
	1'		2.0@ 52X4 = 208	
SP1	Surf		6.0 1639X4 = 6,556	
	1'		4.4@ 190X4 = 760	
	2'		3.8@ 146X4 = 584	
	3'		5.4@ 280X4 = 1,120	
	4'		4.8@ 223X4 = 892	
SP2	Surf		9.0@ 6442X4 = 25,768	
	1'		5.8@ 324X4 = 1,296	
	2'		5.0@ 241X4 = 964	
	3'		5.2@ 260X4 = 1,040	
	4'		5.4@ 280X4 = 1,120	
SP3	Surf		9.0@ 6442X4 = 25,768	
	1'		4.6@ 206X4 = 824	
	2'		3.8@ 146X4 = 584	
	3'		4.2@ 174X4 = 696	
	4'		3.6@ 133X4 = 532	
SP4	Surf		1.2@ > 100	
	1'		3.8@ 146X4 = 584	
	2'		3.4@ 121X4 = 484	
	3'		2.4@ 68X4 = 272	
	4'		1.6@ 37X4 = 148	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Hungry Horse, LLC

Date: 1-5-24

GPS: 32.107979, -103.554972

Sampler: Jerry Heidelberg

BTA - Project: Rojo 10-13

Karst: **Yes** Water: **<50**

Standard: TPH 100mg/kg, Chloride 600mg/kg

[illegible]

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 V

Laboratory Analytical Reports



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

September 28, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: ROJO 10-13

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 15:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/28/2023	Sampling Type:	Soil
Project Name:	ROJO 10-13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	BTA UL/ A SEC 27 T25S - R33E		

Sample ID: SP 1 - SURF (H235187-01)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.473	0.200	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	8.64	0.200	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	5.29	0.200	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	50.8	0.600	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	65.2	1.20	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1520	10.0	09/25/2023	ND	198	98.9	200	5.99	QM-07
DRO >C10-C28*	9780	10.0	09/25/2023	ND	214	107	200	3.03	QM-07
EXT DRO >C28-C36	1620	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 289 % 48.2-134

Surrogate: 1-Chlorooctadecane 234 % 49.1-148

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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: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 1 - 1' (H235187-02)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.04	0.500	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	19.7	0.500	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	9.73	0.500	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	92.4	1.50	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	123	3.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 183 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3110	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	7850	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	1230	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 355 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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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: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 1 - 2' (H235187-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.72	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	38.8	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	20.3	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	191	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	252	6.00	09/26/2023	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3760	100	09/26/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	10300	100	09/26/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	1670	100	09/26/2023	ND					

Surrogate: 1-Chlorooctane 211 % 48.2-134

Surrogate: 1-Chlorooctadecane 215 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 1 - 3' (H235187-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	
Toluene*	24.9	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	13.5	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	141	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	179	6.00	09/26/2023	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1320	100	09/26/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	14500	100	09/26/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	2700	100	09/26/2023	ND					

Surrogate: 1-Chlorooctane 201 % 48.2-134

Surrogate: 1-Chlorooctadecane 351 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 1 - 4' (H235187-05)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.92	96.1	2.00	3.53	
Toluene*	1.05	0.050	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	1.03	0.050	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	11.9	0.150	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	14.0	0.300	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 148 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	275	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	1480	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	324	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - SURF (H235187-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.615	0.200	09/27/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	9.04	0.200	09/27/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	4.13	0.200	09/27/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	38.5	0.600	09/27/2023	ND	6.69	112	6.00	3.41	
Total BTEX	52.3	1.20	09/27/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	5750	100	09/26/2023	ND	198	98.9	200	5.99		
DRO >C10-C28*	12400	100	09/26/2023	ND	214	107	200	3.03		
EXT DRO >C28-C36	1900	100	09/26/2023	ND						

Surrogate: 1-Chlorooctane 247 % 48.2-134

Surrogate: 1-Chlorooctadecane 240 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - 1' (H235187-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.666	0.500	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	16.1	0.500	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	9.07	0.500	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	86.4	1.50	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	112	3.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	2140	10.0	09/25/2023	ND	198	98.9	200	5.99		
DRO >C10-C28*	6270	10.0	09/25/2023	ND	214	107	200	3.03		
EXT DRO >C28-C36	1000	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 274 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - 2' (H235187-08)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.99	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	49.1	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	20.1	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	185	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	259	6.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 176 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2140	100	09/26/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	15700	100	09/26/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	3040	100	09/26/2023	ND					

Surrogate: 1-Chlorooctane 204 % 48.2-134

Surrogate: 1-Chlorooctadecane 380 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - 3' (H235187-09)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.753	0.500	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	17.3	0.500	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	8.38	0.500	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	79.3	1.50	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	106	3.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 184 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1880	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	4390	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	728	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 177 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - 4' (H235187-10)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.92	96.1	2.00	3.53	
Toluene*	1.30	0.050	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	1.05	0.050	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	11.0	0.150	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	13.3	0.300	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	276	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	1400	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	264	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - SURF (H235187-11)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.558	0.500	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	12.5	0.500	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	7.20	0.500	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	70.5	1.50	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	90.8	3.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 176 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4980	100	09/26/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	12500	100	09/26/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	1770	100	09/26/2023	ND					

Surrogate: 1-Chlorooctane 550 % 48.2-134

Surrogate: 1-Chlorooctadecane 274 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - 1' (H235187-12)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.78	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	34.4	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	15.2	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	143	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	195	6.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1190	100	09/26/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	21600	100	09/26/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	4870	100	09/26/2023	ND					

Surrogate: 1-Chlorooctane 237 % 48.2-134

Surrogate: 1-Chlorooctadecane 478 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Hungry Horse Environmental
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Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - 2' (H235187-13)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.13	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	24.2	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	11.5	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	112	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	149	6.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 162 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3350	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	8000	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	1500	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 338 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - 3' (H235187-14)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.92	96.1	2.00	3.53	
Toluene*	0.203	0.050	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	0.117	0.050	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	1.91	0.150	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	2.23	0.300	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 160 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.3	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	311	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	162	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - 4' (H235187-15)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.92	96.1	2.00	3.53	
Toluene*	0.355	0.050	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	0.309	0.050	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	3.79	0.150	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	4.45	0.300	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 220 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	111	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	1170	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	212	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - SURF (H235187-16)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.450	0.200	09/27/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	7.90	0.200	09/27/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	3.95	0.200	09/27/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	43.0	0.600	09/27/2023	ND	6.69	112	6.00	3.41	
Total BTX	55.3	1.20	09/27/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7360	100	09/26/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	14100	100	09/26/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	2390	100	09/26/2023	ND					

Surrogate: 1-Chlorooctane 652 % 48.2-134

Surrogate: 1-Chlorooctadecane 269 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - 1' (H235187-17)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	
Toluene*	13.2	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	6.34	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	60.2	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	79.8	6.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2550	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	6610	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	1150	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 283 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - 2' (H235187-18)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.72	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	65.5	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	22.8	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	213	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEx	309	6.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 168 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8160	100	09/28/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	16900	100	09/28/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	2850	100	09/28/2023	ND					

Surrogate: 1-Chlorooctane 305 % 48.2-134

Surrogate: 1-Chlorooctadecane 329 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - 3' (H235187-19)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.93	1.00	09/26/2023	ND	1.92	96.1	2.00	3.53	GC-NC1
Toluene*	23.0	1.00	09/26/2023	ND	2.08	104	2.00	3.02	
Ethylbenzene*	10.1	1.00	09/26/2023	ND	2.24	112	2.00	3.23	GC-NC1
Total Xylenes*	96.7	3.00	09/26/2023	ND	6.69	112	6.00	3.41	
Total BTEX	132	6.00	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3710	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	9080	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	1620	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 397 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - 4' (H235187-20)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.090	0.050	09/26/2023	ND	2.02	101	2.00	3.46	GC-NC1
Toluene*	3.29	0.050	09/26/2023	ND	2.13	106	2.00	4.68	QM-07
Ethylbenzene*	2.06	0.050	09/26/2023	ND	2.32	116	2.00	4.28	GC-NC1
Total Xylenes*	22.0	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	QM-07
Total BTEx	27.5	0.300	09/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 209 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	378	10.0	09/25/2023	ND	198	98.9	200	5.99	
DRO >C10-C28*	1530	10.0	09/25/2023	ND	214	107	200	3.03	
EXT DRO >C28-C36	357	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 1 - SURF (H235187-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/25/2023	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	QM-07	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99		
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 1 - 1' (H235187-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78		
Total BTEX	<0.300	0.300	09/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/25/2023	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 2 - SURF (H235187-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 2 - 1' (H235187-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 3 - SURF (H235187-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 3 - 1' (H235187-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 4 - SURF (H235187-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 09/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 4 - 1' (H235187-28)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 33

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Daniel Dominguez		P.O. #:																						
Address: PO Box 1058		Company: BTA Oil Producers, LLC																						
City: Hobbs	State: NM	Zip: 88241	Attn: Kelton Beaird																					
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																						
Project #:	Project Owner: BTA Oil Producers, LLC		City: Midland																					
Project Name: Rojo 10-13	State: TX	Zip: 79701																						
Project Location: UL/ A Sec 27 T2S - R33E	Phone #: 432-312-2203																							
Sampler Name: Shane Rivera	Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021							
1	SP1-Surf	G	1			X				X			9/21/23		X	X	X							
2	SP1-1'	G	1			X				X			9/21/23		X	X	X							
3	SP1-2'	G	1			X				X			9/21/23		X	X	X							
4	SP1-3'	G	1			X				X			9/21/23		X	X	X							
5	SP1-4'	G	1			X				X			9/21/23		X	X	X							
6	SP2-Surf	G	1			X				X			9/21/23		X	X	X							
7	SP2-1'	G	1			X				X			9/21/23		X	X	X							
8	SP2-2'	G	1			X				X			9/21/23		X	X	X							
9	SP2-3'	G	1			X				X			9/21/23		X	X	X							
10	SP2-4'	G	1			X				X			9/21/23		X	X	X							

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Relinquished By:		Date: 9/22/23	Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 15:42					Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date:	Received By:		REMARKS: Email results to: pm@hungry-horse.com kbeaird@btaoil.com	
Time:						
Delivered By: (Circle One)						
Sampler - UPS - Bus - Other:		-1.5°C	Sample Condition			
		#1140	Cool Intact			
			<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) 	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Daniel Dominguez		P.O. #:																						
Address: PO Box 1058		Company: BTA Oil Producers, LLC																						
City: Hobbs	State: NM	Zip: 88241	Attn: Kelton Beaird																					
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																						
Project #:	Project Owner: BTA Oil Producers, LLC		City: Midland																					
Project Name: Rojo 10-13			State: TX	Zip: 79701																				
Project Location: UL/ A Sec 27 T25S - R33E			Phone #: 432-312-2203																					
Sampler Name: Shane Rivera			Fax #:																					
FOR LAB USE ONLY																								
Lab I.D. H235187		Sample I.D.																						
		(G/RAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.	SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021							
11 SP3-Surf		G	1			X					X		9/21/23		X	X	X							
12 SP3-1'		G	1			X					X		9/21/23		X	X	X							
13 SP3-2'		G	1			X					X		9/21/23		X	X	X							
14 SP3-3'		G	1			X					X		9/21/23		X	X	X							
15 SP3-4'		G	1			X					X		9/21/23		X	X	X							
16 SP4-Surf		G	1			X					X		9/21/23		X	X	X							
17 SP4-1'		G	1			X					X		9/21/23		X	X	X							
18 SP4-2'		G	1			X					X		9/21/23		X	X	X							
19 SP4-3'		G	1			X					X		9/21/23		X	X	X							
20 SP4-4'		G	1			X					X		9/21/23		X	X	X							

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Relinquished By:	Date: 9/22/23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 15:42		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results to: pm@hungry-horse.com	
Delivered By: (Circle One) 1.5°C	Sample Condition	CHECKED BY: (Initials)	kbeaird@btaoil.com	
Sampler - UPS - Bus - Other: #140	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No			

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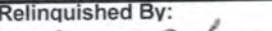
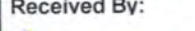



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: <u>7/22/23</u>		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:	
Relinquished By:		Date:		Received By:		Email results to: pm@hungry-horse.com kbeaird@btaoil.com	
Delivered By: (Circle One) <u>-1.500</u>		Sample Condition		CHECKED BY:		(Initials)	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

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

January 10, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: ROJO 10-13

Enclosed are the results of analyses for samples received by the laboratory on 01/05/24 13:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/05/2024	Sampling Date:	01/05/2024
Reported:	01/10/2024	Sampling Type:	Soil
Project Name:	ROJO 10-13	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA UL/ A SEC 27 T25S - R33E		

Sample ID: FL 1 (H240052-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 (H240052-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 (H240052-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 4 (H240052-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 (H240052-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 6 (H240052-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 7 (H240052-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 8 (H240052-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 (H240052-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T2SS - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 (H240052-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	163	81.7	200	0.509	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	166	82.9	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 (H240052-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56		
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31		
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25		
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31		
Total BTEX	<0.300	0.300	01/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	167	83.7	200	0.316	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	181	90.5	200	4.32	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/05/2024
 Reported: 01/10/2024
 Project Name: ROJO 10-13
 Project Number: NONE GIVEN
 Project Location: BTA UL/ A SEC 27 T25S - R33E

Sampling Date: 01/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 (H240052-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.21	110	2.00	1.56	
Toluene*	<0.050	0.050	01/05/2024	ND	2.18	109	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.17	108	2.00	1.25	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.32	105	6.00	1.31	
Total BTEX	<0.300	0.300	01/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/05/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	167	83.7	200	0.316	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	181	90.5	200	4.32	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Hungry Horse LLC		BILL TO	
Project Manager: Daniel Dominguez		P.O. #:	
Address: PO Box 1058		Company: BTA Oil Producers, LLC	
City: Hobbs	State: NM	Attn: Kelton Beaird	
Phone #: 575 393-3386	Zip: 88241	Address: 104 S Pecos St.	
Project #:	Project Owner: BTA Oil Producers, LLC	City: Midland	
Project Name: Rojo 10-13		State: TX	
Project Location: UL/ A Sec 27 T25S - R33E		Zip: 79701	
Sampler Name: Jerry Heidelberg		Phone #: 432-312-2203	
		Fax #:	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		Chloride	TPH	BTEX 8021																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Relinquished By: <i>Jerry Heidelberg</i>	Date: 1-5-24 Time: 1332	Received By: <i>S. Dominguez</i>
Relinquished By:	Date:	Received By:
	Time:	

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other: -0.32 #140	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(Initials) <i>SK</i>

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

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

[illegible]

Attachment VI
NMOCD Form Initial C-141

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

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

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

Incident ID	nAPP2324131406
District RP	
Facility ID	fAPP2130133926
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Kelton Beard	Contact Telephone: 432-312-2203
Contact email: kbeard@btaoil.com	Incident # <i>(assigned by OCD) nAPP2324131406</i>
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.107979

Longitude: -103.554972

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Rojo 10_13	Site Type: Production facility
Date Release Discovered: 08/28/2023	API# <i>(if applicable)</i>

Unit Letter	Section	Township	Range	County
A	27	25S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: *Kaml LTD, Harvey Williams III*)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 22	Volume Recovered (bbls) 21
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release – A valve on the separator was left closed causing the vessel to fill, sending oil to the compressor scrubber tank, and causing it to over fill.


The amount released was determined by the vac truck amount recovered that was put in an isolate tank and gauged. Production data was gathered and showed a loss of 1 barrel in which was accurate with the soil on top of the liner that absorbed some of the fluid.

Incident ID	NAPP2324131406
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Kelton Beaird Title: Environmental Manager	
Signature: 	Date: 8-29-23
email: kbeaird@btaoil.com Telephone: 432-312-2203	
<u>OCD Only</u>	
Received by: Shelly Wells Date: 8/29/2023	

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

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

CONDITIONS

Action 258490

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 258490
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/29/2023

District I
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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

QUESTIONS

Action 304370

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	304370
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2324131406
Incident Name	NAPP2324131406 ROJO 10-13 WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2130133926] Rojo 10-13 34-37

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROJO 10-13 WELL PAD
Date Release Discovered	08/28/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 22 BBL Recovered: 21 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The separator at the battery filled up, sending fluid to the compressor tank causing it to overflow. Fluid remained inside an earthen berm that was lined with a plastic liner.

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District IV

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

QUESTIONS, Page 2

Action 304370

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	304370
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: kbeaird@btaoil.com Date: 01/17/2024
--	---

District I

1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 304370

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	304370
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	128
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	27910
GRO+DRO	(EPA SW-846 Method 8015M)	25060
BTEX	(EPA SW-846 Method 8021B or 8260B)	309
Benzene	(EPA SW-846 Method 8021B or 8260B)	7.7

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	12/18/2023
On what date will (or did) the final sampling or liner inspection occur	01/05/2024
On what date will (or was) the remediation complete(d)	01/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	420

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 304370

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:	260297
	Action Number:	304370
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: kbeaird@btaoil.com Date: 01/17/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 304370

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	304370
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 304370

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:	260297
	Action Number:	304370
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	298062
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/05/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	1600

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1600
What was the total volume (cubic yards) remediated	420
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	None

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 (in .pdf format) 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.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: kbeaird@btaoil.com Date: 01/17/2024
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QUESTIONS, Page 7

Action 304370

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
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	Action Number:
	304370
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 304370

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 304370
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/26/2024