

Remediation Summary and Closure Request

BTA Oil Producers, LLC North Ridge East Tank Battery Lea County, New Mexico Unit Letter "A", Section 35, Township 22 South, Range 34 East Latitude 32.352560 North, Longitude 103.436070 West NMOCD Incident # nAPP2203851688

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

August 2023

Bradley Wells

Bradley Wells Project Manager bwells@hungry-horse.com

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Received by OCD: 8/25/2023 8:41:17 AM Form C-141 State of New Mexico

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Incident ID	nAPP2203851688
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Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 8/25/2023	8:41:17 AM State of New Mexico			Page 4 of				
			Incident ID	nAPP2203851688				
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			Facility ID					
			Application ID					
regulations all operators are re public health or the environme failed to adequately investigat	· D	tifications and perform OCD does not relieve reat to groundwater, su f responsibility for con 	n corrective actions for rele the operator of liability sh urface water, human health mpliance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws				
OCD Only Received by: <u>Shelly Wells</u>		Date: <u>8/2</u>	25/2023					

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

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Distric	et RP	
Facilit	y ID	
Applic	cation ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points \square Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Environmental Manager Printed Name: Kelton Beaird Title: Signature: _____ Date: 8-25-23 kbeaird@btaoil.com Telephone: 432-312-2203 email: OCD Only Received by: Shelly Wells Date: 8/25/2023 Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following	g items must be incl	uded in the closure report.
A scaled site and sampling diagram as described in 19.15.2	9.11 NMAC	
Photographs of the remediated site prior to backfill or phot must be notified 2 days prior to liner inspection)	tos of the liner integ	ity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate O	DC District office m	ust be notified 2 days prior to final sampling)
Description of remediation activities		
I hereby certify that the information given above is true and com and regulations all operators are required to report and/or file cer may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or reg restore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the	tain release notificat of a C-141 report by remediate contamina of a C-141 report do gulations. The resport conditions that exist	ons and perform corrective actions for releases which the OCD does not relieve the operator of liability tion that pose a threat to groundwater, surface water, es not relieve the operator of responsibility for sible party acknowledges they must substantially ed prior to the release or their final land use in
Printed Name: Kelton Beaird	Title:	Environmental Manager
Signature:	Date: 8-2	-
email:kbeaird@btaoil.com		432-312-2203
OCD Only		
Received by: <u>Shelly Wells</u>	Date: <u>8/2</u>	25/2023
Closure approval by the OCD does not relieve the responsible par remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws ar	ce water, human heal	
Closure Approved by: Nelson Velez	Date: _	12/08/2023
Printed Name: Nelson Velez	Title:	Environmental Specialist - Adv
Operator did not meet 19.15.29.12D (1a) NN	IAC. Forbeara	nce given to Hungry Horse on
10/24/2023. Release resolved.		



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 35, Township 22 South, Range 34 East, approximately seventeen miles southwest of Eunice, 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 flare on an active well pad; Latitude 32.352560 North, Longitude 103.436070 West. The Initial NMOCD Form C-141 indicated that on February 5, 2022 a circulating pump was left on, pushing oil that overflowed the flare scrubber and into the flare line. The oil ignited and burned at the flare and flare containment. No fluid was lost. 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 not 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.

One well was located within a half mile of the release area. Well CP 01802 POD1 was drilled on November 7-9, 2019 to a depth of approximately 200 feet bgs. However, as no water was present, the well was plugged. Therefore, depth to water is reasonably estimated to be greater than 100 feet bgs. Utilizing this information, the NMOCD Closure Criteria for the Site is depicted in the table below.

Depth to Groundwater	Constituent	Method	Limit
	Chloride	EPA 300.0 or SM4500 CLB	20,000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg
>100	GRO + DRO	EPA SW-846 Method 8015M Ext	1,000 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg



Delineation and Remediation Activities:

On July 17, 2023, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the flare area. On August 7, 2023 Hungry Horse personnel conducted delineation sampling. During sampling, hand augered sample 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. These sample locations are identified by SP designation 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 Hanna instruments[®] DiST[®] 4 EC tester and/or a Hach Quantab[®] chloride test kit.

Based on field observations and field test data noted above and provided in Attachment 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 submitted samples.

As no fluid was lost during the fire, and laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, no excavation activities were required. The flare containment area was subsequently surface scraped. Approximately five cubic yards of scraped up soil was hauled to an NMOCD approved disposal facility.

A Delineation Sample Map is provided as Figure 4. 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, no excavation activities were required. As the affected area is located within containment on an active tank battery pad, no seeding will be required.

Closure Request:

Sampling activities were conducted in accordance with applicable NMOCD Regulations. Laboratory analytical results from 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 North Ridge East Tank Battery location, incident nAPP2203851688.



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.



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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

Limestone Basin Prop Ranch, LLC PO Box 5677 Abilene, TX 79608

Figures

Received by OCD: 8/25/2023 8:41:17 AM



Released to Imaging: 12/8/2023 2:55:31 PM



Released to Imaging: 12/8/2023 2:55:31 PM

GPS: 32.35256, -103.43607

Lea County

VTAL & CC

Checked: dd

Date:

8/4/23

Received by OCD: 8/25/2023 8:41:17 AM





Tables

TABLE 1 Summary of Soil Sample Laboratory Analytical Results BTA Oil Producers, LLC North Ridge East Tank Battery NMOCD Ref. #: nAPP2203851688

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)
	8/7/23	Surf	Scraped	<0.050	<0.300	<10.0	670	670	361	1,031	48.0
	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP1	8/7/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	Surf	Scraped	<0.050	<0.300	<10.0	206	206	64.8	270.8	<16.0
	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP2	8/7/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	Surf	Scraped	<0.050	<0.300	<10.0	1,280	1,280	524	1,804	<16.0
	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP3	8/7/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	Surf	Scraped	<0.050	<0.300	<10.0	918	918	372	1,290	176
	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP4	8/7/23	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	8/7/23	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/7/23	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ1	8/7/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ2	8/7/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
1122	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	8/7/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
ΠΔΟ	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	8/7/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
ΠΔ4	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NMOCD C	Closure Crite	ria		10	50	-	-	1,000	-	2,500	20,000

Attachment I Karst and Wetland Maps



North Ridge East Tank Battery



Koordinatensystem: WGS 1984 Web Datum: WGS 1984 Mercator Auxiliary Sphere Projektion: Mercator Auxiliary Sphere Exportdatum: 17.08.2023 U.S. Fish and Wildlife Service

National Wetlands Inventory

North Ridge East Tank Battery



August 21, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland

Freshwater Emergent 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.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Attachment II Site 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 & (R=POD has been replaced, O=orphaned, no longer serves a water right (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters) (in feet) tur. Depth Depth Well Water Driller 200 0 WALLACE, BRYCE J.LEE.NER POD qqq Licens Log File Finish Date Date POD Number SubbasinCountySource64164SecTwsRngCPLE223522S34E Distance Start Date 423 11/07/2019 Code X Y 647437 3580847 Numb 1706 11/09/2019 02/03/2020 CP 01802 POD1 Record Count: 1 UTMNAD83 Radius Search (in meters): Easting (X): 647128.71 Northing (Y): 3580557.99 Radius: 805 The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for particular purpose of the data.

8/18/23 1:37 PM

WELLS WITH WELL LOG INFORMATIO?



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters	are 1=N	W 2=N	JE 3=SW	4=SE)				
			(quarter	s are sma	allest to	o largest)		(NAD83 UT	M in meters)		
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y		
22472	CP (01802 POD1	2	2 2	35	228	34E	647437	3580847 🍯		
Driller Lic	cense:	1706	Driller C	ompar	ıy:	ELI	TE DRI	ILLERS CO	RPORATION		
Driller Na	me:	WALLACE, BR	YCE J.LEE.N	ER							
Drill Start	Date:	11/07/2019	Drill Fin	ish Da	te:	11	/09/201	19 Plu	g Date:		
Log File Date: 02/03/2020			PCW Rc	v Date	:		Source:				
Pump Typ	e:		Pipe Dise	Pipe Discharge Size:					Estimated Yield:		
Casing Siz	ze:	4.00	Depth W	Depth Well:			00 feet	Dej	Depth Water:		
X	Wate	er Bearing Stratif	fications:	То	op 1	Bottom	Desci	ription			
				10)5	185	Other	r/Unknown			
x Casing Perform			forations:	To	op 1	Bottom					
				16	50	200					

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.

8/15/23 9:34 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

z	OSE POD NO CP-1802	(WELL NC))		WELL TAG ID NO. 22472			OSE FILE NOC	51				
ATIO	WELL OWNE							PHONE (OPTI	ONAL)				
AND WELL LOCATION	LIMESTONE BASIN PROPERTIES RANCH LLC Well owner mailing address 3300 N A STREET, BLDG 1, STE 220							CITY STATE ZIP MIDLAND TX 79705					
RAL AND W	WELL LOCATIO (FROM GP	sı <u>67</u>	TITUDE	GREES MINUTES SECONDS 32 21 17.43 N 103 25 59.15 W					REQUIRED: ONE TEN JUIRED: WGS 84	TH OF A SECOND			
1. GENERAL		ON RELATIO	INGITUDE ING WELL LOCATION TO 1/4 \$35 T22\$ R34E	STREET ADD	RESS AND COMMON	LANDMA	RKS PLS	S (SECTION, TO	WNSIUP, RANGE) WF	ERE AVAILABLE			
	LICENSE NO. NAME OF LICENSED DRILLER BRYCE WALLACE ELITE DRILLERS CORPORATION												
	DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT) 11/07/19 11/09/19 200 200 N/A												
Z	COMPLETE	WELL IS:	ARTESIAN	🔽 DRY HOI	E SHALLO	W (UNCON	JFINED)		STATIC WATER LE	VEL IN COMPLETED WE N/A	I.I. (FT)		
VT10	DRILLING FI	UUID:	AIR	🔽 MUD	ADDITIV	ES SPEC	IFY:						
DRM	DRILLING M	ETHOD:	🔽 ROTARY	HAMMER CABLE TOOL OTHER SPEC									
2. DRILLING & CASING INFORMATION	DEPTH (feet bgl) BORE HOLE FROM TO DIAM (inches)			(include each casing string, and 7			ASING NECTION TYPE ling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)			
& C/	0	160	7 7/8	(SDR17 PVC			PLINE	4.28	SDR17			
-ING	160	200	7 7/8		SDR17 PVC		SI	PLINE 4.28		SDR17	.32		
DRILL										23			
7.										-+1			
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:										2	و في آيند. السو		
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CRIA	FROM 25	TO 200	7 7/8	GRA		ICA SAN		RVAL	(cubic feet) 40	POU			
ANNULAR MATERIAL	0	25	7 7/8			AND I/II			6	POU			
LAR			_										
EDNN													
3. Al													
FOR	OSE INTER	NAL USE						WR-26) WELL RECORD	& LOG (Version 04/3	0 19)		

FILE NO. 0. P-1802	POD NO.	· · · · · · · · · · · · · · · · · · ·	TRN NO.	69873	
LOCATION Live 22. 34. 35. 22	2	WEL	L TAG ID NO.	22472	PAGE 1 OF 2

.

	DEPTH (feet bgl)	[1			ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MA ER-BEARING C2 pplemental sheet	AVITIES O	R FRACT	URE ZONF	s	BEAI	TER RING? / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	5	5		SANDY	TOPSOIL				Y	√ N	
	5	25	20		SANDY (CALICHE				Y	√ N	
	25	65	40		BROW	N CLAY	_			Y	√ N	
	65	105	40		TAN SAN	DY CLAY				Y	√ N	
	105	185	80	BROWN SANDY	CLAY WITH SO	DME BROV	VN SAND	STRINGE	RS	Y	✓ N	
H	185	200	15		RED	CLAY				Y	✓ N	
WEI							•			Y	N	
4. HYDROGEOLOGIC LOG OF WELL										Y	N	
90 1			_							Y	N	
EIC	-									Y	N	
DLQ			ļ]	Y	Ν	
ŠČE Č						· · · · · · · · · · · · · · · · · · ·		<u>-</u> .		Y	N	
DRO										Y	N	
HV.		L								Y	N	
चं		ļ		·····						Y	N	
										Y	<u>N</u>	
							.			Y	N	
							<u>.</u> .			Y	N	
		-								Y	N	
										Y	N	
								<u> </u>	1	Y	N	
	METHOD U			OF WATER-BEARIN	G STRATA: THER SPECIFY	<i>t</i> :			1		MATED D (gpm):	0.00
Z	WELL TES	T TEST	RESULTS - ATTA RT TIME, END TIN	ACH A COPY OF DA' 1E, AND A TABLE S	TA COLLECTED HOWING DISCH	DURING IARGE AN	WELL TE D DRAW	STING, IN DOWN OV	CLUDI) ER THE	NG DISC E TESTI	HARGE NG PERIO	METHOD, DD.
VOISIV	MISCELLA	I NEOUS IN	FORMATION:									
SUPER												2020 F
TEST; RIG												8
ES	PRINT NAM	AE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	DVIDED ONSITE	SUPERVIS	SION OF	WÉLL CON	ISTRUC	TION C	THER TH	HAN LICE SEE:
												P
SIGNATURE	RECORD O	F THE ABO	OVE DESCRIBED	AT TO THE BEST O WELL, I ALSO CERT WITH THE PERMIT I	TIFY THAT THE	WELL TAG	G, IF REQ	UIRED, HA	AS BEEI	N INSTZ	ALLED A	ND THAT THIS
6. SIGN	<u> </u>	-m/	少	BRY	YCE WALLAC	E	_			11/	20/19	
		SIGNAT	TURE OF DRILLER	R / PRINT SIGNEE	NAME						DATE	
FO	R OSE INTER	NAL USE						WR-20 WE	LL REC	ORD &	LOG (Ve	rsion 04/30/2019)
FIL	e NO. <u>C</u> P	-180.	2		POD NO.			TRN NO.	65	98	73	
	CATION 1	. • · · · · · · · · · · · · · · · · · ·	01 Z11.	35.222				'AG ID NO.	20	117	7	PAGE 2 OF 2

Attachment IV Field Data

Sample Log

Date: 08-07-2023

Project: North Ridge East Tank Battery

Latitude: 32.35256

Hungry Horse, LLC

Longitude: -103.43607

Sampler: Jerry Heidelberg

Sample ID	Depth	PiD/Odor	Chloride	GPS
HZ1"	SUFP		2.00 48×4= 192	
HZ1	4		1.80 4.124= 164	
HZA	SURP		2.0048×4= 192	
HZ2	1'		1.20 >100	
HZ3	SUFF		2,60 71×4= 224	
HZ3	1		1,2@ > 100	
HZ 4	Surf		2.0@48×4= 192	
HZH	1'		2.4@63x4= 252	
SPI	Surf		1.8@41.84= 164	
SPI	1'		1.8@4124= 164	
SPI	2'		2.60 71×4= 284	
SPI	3'		2.0@48x4=192	
SPI	Ч		1.6 @ 34×4= 1.36	
SP2	SUFP		1.80 HIXH= 164	
5P3	SUFF		1,2@ >100	
SP4	Surf		2.80 80x4= 320	
		-		
Sample Point = SP1 @	## etc		Horizontal = HZ1 etc	Test Trench = TT1 @ ##

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Sidewall = SW1 etc

Refusal = SP1 @ 4'-R GPS Sample Points, Center of Comp Areas Resamples= SP1b @ 5' or SW #1b Stockpile = Stockpile #1 Hungry Horse, LLC

Sample Log

Received by OCD: 8/25/2023 8:41:17 AM

Date: 08-07-2023

Project: North Ridge East Tank Battery

Latitude: 32.35256

Longitude: -103.43607

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor		GPS
SP1	1	None	1.8@41×4=164	
SP1	2'		2.6@7124=284	
SP1	3'		2.0@ 48×4= 192	
SP1	4'		1.603414=136	
SP2	ľ		1.0 > too	
SP2	2'		3.6@ 120×4=480	
SP2	3'		0.8 > 100	
SP2	<i>٣</i>		1.4@28x4=112	
SP3	Ľ		1.20 > 100	
SP3	2'		2.40 63×4= 258 252	
SP3	3'		1.4@28×4=112	
SP3	kj'		1.00 > 100	
SP4	l'		1.40,28×4= 112	
SP4	2'		1.20 > 100	
SPH	3'		1,0@>100	
SP4	щı		1, 8@ 41×4=164	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Sidewall = SW1 etc

Refusal = SP1 @ 4'-R GPS Sample Points, Center of Comp Areas Resamples= SP1b @ 5' or SW #1b Stockpile = Stockpile #1

Floor = FL1 etc

Attachment V Laboratory Analytical Reports



August 11, 2023

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

RE: NORTH RIDGE EAST TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/07/23 14:44.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 1 - SURF (H234182-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 1 - 1' (H234182-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
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	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 2 - SURF (H234182-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
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	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 2 - 1' (H234182-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 3 - SURF (H234182-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 3 - 1' (H234182-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 4 - SURF (H234182-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
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	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: HZ 4 - 1' (H234182-08)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 1 - SURF (H234182-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
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	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	670	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	361	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 1 - 1' (H234182-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 1 - 2' (H234182-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 1 - 3' (H234182-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 1 - 4' (H234182-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.8	2.00	1.39	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.92	96.2	2.00	1.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.68	94.6	6.00	0.600	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 2 - SURF (H234182-14)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	206	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	64.8	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 2 - 1' (H234182-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 2 - 2' (H234182-16)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 2 - 3' (H234182-17)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 2 - 4' (H234182-18)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 3 - SURF (H234182-19)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	173	86.7	200	0.0963	
DRO >C10-C28*	1280	10.0	08/09/2023	ND	182	90.8	200	1.16	
EXT DRO >C28-C36	524	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 3 - 1' (H234182-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 3 - 2' (H234182-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 3 - 3' (H234182-22)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 3 - 4' (H234182-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 4 - SURF (H234182-24)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	918	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	372	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 4 - 1' (H234182-25)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 4 - 2' (H234182-26)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 4 - 3' (H234182-27)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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

Received:	08/07/2023	Sampling Date:	08/07/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	BTA UL/ A SEC 35 T22S - R34E		

Sample ID: SP 4 - 4' (H234182-28)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.19	109	2.00	1.56	
Toluene*	<0.050	0.050	08/10/2023	ND	2.11	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.03	102	2.00	2.08	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	171	85.5	200	0.739	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	162	81.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	the second se	FAX (575) 393-2	476					-	_	-		1 70		-				MAL	212	REO	UEST	-			
Company Name:	Hungry Horse L	LC		_			_	-	-	_	SIL	LTO		-	_	_			313	NL G	JEST			Т	
Project Manager	: Daniel Domingu	Jez		_				Ρ.	0. #:																(r
Address: PO E	3ox 1058							С	ompa	any	BT	A Oil Produc	cers, LLC												
City: Hobbs		State: NM	Zi	p:	8824	1		A	tn:	Kelto	on B	Beaird													
	393-3386	Fax #:	-	-				A	ddres	ss: 1	04	S Pecos S	it.												
Project #:		Project Owner:	BTA	Oil	Produc	ers, Ll	LC	c	ity:	Midla	and														
	North Ridge East Ta		-	-				_	tate:			zip: 7970	1	1			- 1								
	-					-						312-2203													
Project Location			-	-				_	ax #:																
Sampler Name:	Jerry Heidelber	·9	-	_	-	MAT	DIV	Г		ESER	VI	SAMPLI	NG												
FOR LAB USE ONLY			a.			T		T			-			1											
Lab I.D. H234182	Sampl	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	ТРН	BTEX 8021									1
	HZ1-Surf		G	1		X			6	X		8/7/23	-	X	X	X	_		_		-	-	-	-+	-
	HZ1-1'		G	1		X				X		8/7/23		X	X	X							-	-	-
	HZ2-Surf		G	1		X				X		8/7/23	2	X	X	X		-			-		-	-	
	HZ2-1'		G	1		X				X		8/7/23		X	X	X	-	-		-	-			-+	-
	HZ3-Surf		G	1		X				X		8/7/23		X	X	X		-		-			-	+	-
	HZ3-1'		G	1		X				X	1	8/7/23	10-1-1-	X	X	X	-	_		-	-			-+	_
	HZ4-Surf		G	1		X				X		8/7/23	-	X	X	X		1.0		-	-		-	-	
	HZ4-1'		G	1		X				X		8/7/23	1	X	X	X	-			-	-			-+	_
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, ce of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8-7-23 Time:,,,,//	Received By	Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #: REMARKS:
Relinquished By:	Date: Time:	Received By:	Email results to: pm@hungry-horse.com kbeaird@btaoil.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	1.12	H 140 Sample Condition CHECKED BY: Cool Intact (Initials) Yes Yes No No	

ted to the parfor

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company N	lame:	Hungry Horse L	LC							1	_	BIL	LTO					AN	ALYS	IS R	EQUE	SI	_		_
Project Man		Daniel Domingu	lez							P.O.	#:														
Address:	PO Bo	x 1058								Com	pany	В	TA Oil Produ	cers, LLC											
City: Hot	bbs		State:	NM	Zi	p: 8	3824	1		Attn	: Ke	Iton I	Beaird												
	575 39	3-3386	Fax #:							Add	ress:	104	S Pecos S	St.											
Project #:			Project	t Owner:	BTA	Oil F	roduce	ers, Ll	C	City	Mi	dland													
Project Nam	ne: No	orth Ridge East Ta	ank Batte	ery						Stat	e: TX	C	Zip: 7970	1											
Project Loca	ation:	UL/ A Sec 35 T	22S - R3	4E						Pho	ne #:	432	-312-2203												
Sampler Na	ame:	Jerry Heidelber	g							Fax	#:														
FOR LAB USE ON	NLY				Τ.	Π		MAT	RIX	F	RESE	RV.	SAMPLI	NG											
Lab I.D H23418		Sampl	e I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	OTHER :	ACIU/BASE: ICE / COOL	OTHER :	DATE	TIME	Chloride	трн	BTEX 8021								
	9 SF	P1-Surf			G	1		X			X	-	8/7/23		X	X	X	-	-	-	-	-	-	-	+
	10 SF	P1-1'			G	1		X	-		X	-	8/7/23		X	X	X	-	-	-	-	-	-	-	+
	// SF	P1-2'			G	1		X			X		8/7/23		X	X	X	-	-	-		-	-	-	+
	12 SF	P1-3'	_		G	1	-	X	-		X		8/7/23		X	X	X	-		-			-	-	-
	13 SI	P1-4'			G	1		X		\square	X	-	8/7/23		X	X	X	-	-	-	-	-	-	-	+
1	14 SI	P2-Surf			G	1		X			X		8/7/23		X	X	X	_		-	-	-	-	-	+
	15 SI	P2-1'			G	1		X			X		8/7/23		X	X	X		-	-		-	-	-	+
	14 51	P2-2'			G	1		X			X		8/7/23		X	X	X		-	-	-	-	-	-	+
	17 SI	P2-3'			G	1		X			X		8/7/23		X	X	X	-		-	-	-	-	-	+
	1X SI	P2-4' mages. Cardinal's liability an			G	1		X			X		8/7/23		X	X	X								

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the a

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries,

affiliates or successors arising out of or related to the performance of	of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above sales responses	Phone Result: Yes No Add'I Phone #:
Relinguished By:	Date: Received By:	Fax Result:
1 aBII	Time: Will Amaka Maastal	REMARKS:
Germi Apinollern	1444 Allala Unaca	KEMARKS.
Relinquished By:	Date: Received By:	Email results to: pm@hungry-horse.com
() (C		
V	Time:	kbeaird@btaoil.com
Delivered By: (Circle One)	1 Sample Condition CHECKED BY:	
Delivered by. (Circle Offer	Cool Intact (Initials)	
Sampler - UPS - Bus - Other:	Yes Yes	
	ILC NO NO V.	

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

8:41:17 AM

Received by OCD: 8/25/2023

ge 32 of 33



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

kbeaird@btaoil.com

mpany Name:	Hungry Horse	5 FAX (575) 393-24								L	BIL	L TO		ANALYSIS REQUEST										
oject Manager								P.(). #:	:				1					-					
	3ox 1058				_			Co	mpa	-		TA Oil Produc	cers, LLC											
y: Hobbs		State: NM	Zi	p:	8824	1			100		-	Beaird	_											
-	393-3386	Fax #:						Ad	dres	ss:	104	S Pecos S	st.											
oject #:		Project Owner:	BTA	Oil F	roduc	ers, Ll	LC	Ci	ty:	Midl														
	North Ridge East		-					St	ate:	TX	2	Zip: 7970	1											
ject Location								Pł	one	#: 4	432-	-312-2203	6.12											
mpler Name:	Jerry Heidelbe							Fa	x #:									1.1						
R LAB USE ONLY			Γ	П		MAT	RIX	-	PR	ESEF	RV.	SAMPLI	NG											
Lab I.D.	Samp	ble I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER MASTEWATER	SOIL	OIL	SLUDGE OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	трн	BTEX 8021								
	SP3-Surf		G	1		X				X		8/7/23		X	X	X			-	-		-		-
11	SP3-1'		G	1		X				X		8/7/23	3	X	X	X	-			-			-	-
	SP3-2'		G	1		X				X		8/7/23	-	X	X	X	-	-	-				-	-
22	SP3-3'		G	1	-	X	_	-	+	X		8/7/23	-	X	X	X		-	-	-				-
23	SP3-4'		G	-	+	X		-	⊢	X		8/7/23		X	X	X	-	-	-	-				
24	SP4-Surf		G		+	X	-	+	⊢	X		8/7/23		X	X	x								
	SP4-1'		G		-	X	-	-	+	X	-	8/7/23		X	X	X	-							
010	SP4-2'		G	-	+	X	-	-	+	X		8/7/23 8/7/23	-	X	X	X		-						
27	SP4-3'		G	-	-	X		-	+	X	H	8/7/23		x	X	X						1		
28	SP4-4'	y and client's exclusive remedy for an ny other cause whatsoever shall be d	G		hether b	X ased in c	ontrac	t or tort, s	hall be	limited	to the	amount paid by t	he client for the		-		-							

CHECKED BY:

(Initials) 0

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

Time:

#140

C

Sample Condition

Cool Intact Ves Ves

Received by OCD: 8/25/2023 8:41:17 AM

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

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	nAPP2203851688
District RP	
Facility ID	fAPP2130022284
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) nAPP2203851688
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.35256 Longitude: -103.43607

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: North Ridge East Tank Battery	Site Type: Tank Battery
Date Release Discovered: 2/5/2022	API# (<i>if applicable</i>) Nearest well:

Unit Letter	Section	Township	Range	County
А	35	22S	34E	Lea

Surface Owner: State Federal Tribal Private (Name:)

Nature and Volume of Release

Crude Oil	Volume Released (bbls) 2 BBL	Volume Recovered (bbls) 2 BBL (burned)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		
Operator Failure.		
Circulating pump w	as left on, pushing oil that overflowed the flar	e scrubber and into the flare line. The oil

ignited rapidly on the flare stack pilot and burned at the flare or within the earthen containment surrounding the flare stack.

(Spill calculation spreadsheet attached.)

ceived by OCD: 8/25/20			Page
rm C-141	State of New Mexico	Incident ID	nAPP2203851688
ge 2	Oil Conservation Division	District RP	
		Facility ID	fAPP2130022284
		Application ID	
19.15.29.7(A) NMAC?	The release resulted in a fire.		
IFVES was immediate n	notice given to the OCD? By whom? To whom? Wh	en 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

The source of the release has been stopped.

In the impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Bob Hall Title: Environmental Manager

Signature

: Balifall

Date: 2/18/2022

email: bhall@btaoil.com

Telephone: 432-682-3753

OCD Only

Received by: Ramona Marcus

Date: 2/21/2022

Received by OCD: 8/25/2023 8:41:17 AM Received by OCD: 2/18/2022 10:27:02 AM

NAPP2203851688

Location North Ridge East Flare Fire API

Spill Date 2/5/2022

Spill Dimensions

ENTER - Length of Spill ENTER - Width of Spill ENTER - Saturation Depth of Spill

ENTER - Porosity Factor

30) feet
30) feet
-	l inches



0 BBL

0 BBL

2 **BBL**

0 **BBL**

2 BBL

99.999

0.001

0.99999

calculated

Oil Cut - Well Test / Vessel Throughput or Contents Oil Water Calculated Oil Cut

Volume Recovered in Truck / Containment ENTER - Recovered Oil

ENTER - Recovered Water

Calculated Values

Release of Oil in Soil - Unrecovered Release of Water in Soil - Unrecovered Unrecovered Total Release

Calculated Values

Total Release of Oil Total Release of Water Total Release

0	calculated	_
L	2	BBL
L	0	BBL
ſ	2	BBL

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

(Length X Width X Depth X 1 ft/12 in) X Porosity 5.615 ft³ / BBL

Х

Oil Cut (or Water Cut)

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

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	82634
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141	3/21/2022

Page 70 of 71

Action 82634

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

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	257660
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to Hungry Horse on 10/24/2023. Release resolved.	12/8/2023

Page 71 of 71

Action 257660