

# **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
Project Manager
bwells@hungry-horse.com

Daniel Dominguez
Environmental Manager
ddominguez@hungry-horse.com

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Incident ID	nAPP2203851688	
District RP		
Facility ID		
Application ID		

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;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?							
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?							
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 <b>not</b> 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 vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil						
Characterization Report Checklist: Each of the following items must be included in the report.							
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data</li> <li>□ Data table of soil contaminant concentration data</li> <li>□ Depth to water determination</li> <li>□ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>□ Boring or excavation logs</li> <li>□ Photographs including date and GIS information</li> </ul>	ls.						
☐ Topographic/Aerial maps							

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.

☐ Laboratory data including chain of custody

Received by OCD: 8/25/2023 8:41:17 AM
State of New Mexico
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Oil Conservation Division

Received by: Shelly Wells

**OCD Only** 

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

Printed Name: Kelton Beaird Title: Environmental Manager

Signature: Date: 8-25-23

email: kbeaird@btaoil.com Telephone: 432-312-2203

Date: 8/25/2023

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

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5/2023 8:41:17 AM
State of New Mexico
Incident ID n A PD2203851688

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## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be	included in the plan.						
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>							
Deferral Requests Only: Each of the following items must be conjugated	firmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility						
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 rules and regulations all operators are required to report and/or file complications which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state, or local lateral compliance with any other federal state.	ertain release notifications and perform corrective actions for releases ace of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of						
Printed Name: Kelton Beaird	Title: Environmental Manager						
Signature:	Date: 8-25-23						
email:kbeaird@btaoil.com	Telephone: 432-312-2203						
OCD Only							
Received by: Shelly Wells	Date: <u>8/25/2023</u>						
Approved Approved with Attached Conditions of A	Approval						
Signature:	Date:						

**Page 6 of** 7.

Incident ID nAPP2203851688
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Application ID

## Closure

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

Closure Report Attacl	nment Checklist: Each of the following	items must be in	cluded in the closure report.					
A scaled site and sa	ampling diagram as described in 19.15.29.	.11 NMAC						
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)								
□ Laboratory analyse	s of final sampling (Note: appropriate OD	C District office	must be notified 2 days prior to final sampling)					
Description of remo	ediation activities							
and regulations all opera may endanger public hea should their operations h human health or the envi compliance with any oth restore, reclaim, and re-v accordance with 19.15.29	tors are required to report and/or file certa lith or the environment. The acceptance of ave failed to adequately investigate and re- ronment. In addition, OCD acceptance of er federal, state, or local laws and/or regul- regetate the impacted surface area to the co- 9.13 NMAC including notification to the Co- on Beaird	in release notific of a C-141 report emediate contami f a C-141 report of lations. The responditions that exi OCD when reclar	Environmental Manager					
Signature: All	<u> </u>	Data: 8-7	25-23					
email:kbeaird		Telephone:	432-312-2203					
OCD Only								
Received by: Shelly We	ells	_ Date: <u>8</u>	3/25/2023					
remediate contamination		water, human he	ld their operations have failed to adequately investigate and alth, or the environment nor does not relieve the responsible					
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) NMAC. Forbearance 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 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.



## **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**

8/4/23

Date:

Lea County

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## Figure 2

**OSE POD Locations Map** BTA Oil Producers, LLC North Ridge East Tank Battery GPS: 32.35256, -103.43607 Lea County

## Legend:

- North Ridge East Tank Battery Location
- Plugged OSE Water Well
- Pending OSE Water Well

Drafted: bw Checked: dd Date:

8/4/23

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Figure 3

USGS Well Locations Map BTA Oil Producers, LLC North Ridge East Tank Battery GPS: 32.35256, -103.43607 Lea County Legend:

North Ridge East Tank Battery Location

Drafted: bw Checked: dd Date: 8/4/23



North Ridge East Tank Battery GPS: 32.35256, -103.43607 Lea County

Drafted: bw Checked: dd 8/7/23 Date:



## **Tables**

### TABLE 1

## Summary of Soil Sample Laboratory Analytical Results

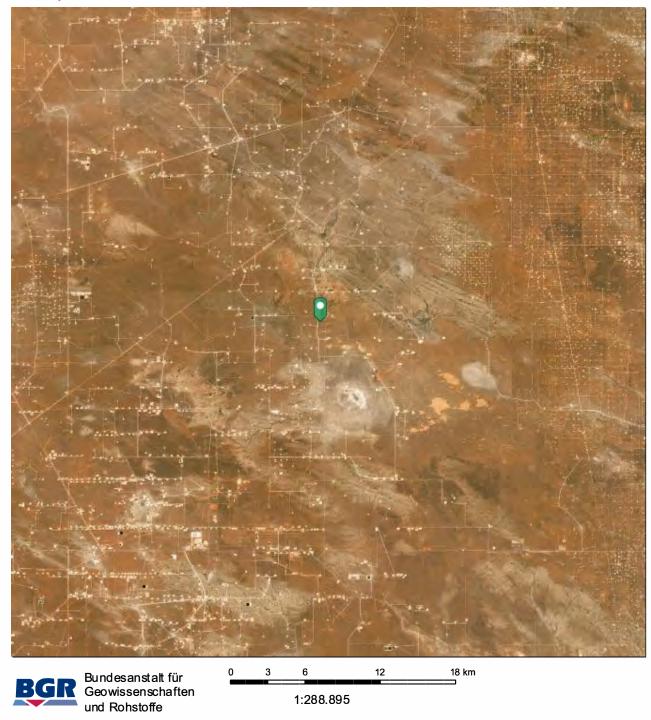
## BTA Oil Producers, LLC North Ridge East Tank Battery

NMOCD Ref. #: nAPP2203851688

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (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
251	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
ПСІ	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
ΠΖΖ	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
П43	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
LI74	8/7/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ4	8/7/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NMOCD (	Closure Crite	ria		10	50	-	-	1,000	-	2,500	20,000

### NOTES:

# Attachment I Karst and Wetland Maps



## **North Ridge East Tank Battery**

### **Karst springs**

Spring with low

flow discharge ≥ 2 m<sup>3</sup>/s

Spring with low

- flow discharge < 2 m<sup>3</sup>/s
- Submarine spring
- Thermal spring

Water

- abstraction structure in karst aquifer
- Cave systems

Border between exposed and

- non-exposed karstifiable rocks
  - Selected city,
- partly dependent on groundwater
- Boundary of continuous permafrost
- Continuous ice sheet

## Karstifiable rocks (potential karst aquifer)

Continuous carbonate rocks

Koordinatensystem: WGS 1984 Web Datum: WGS 1984

Mercator Auxiliary Sphere

Projektion: Mercator Auxiliary Sphere

Discontinuous carbonate rocks

Continuous evaporite rocks

Discontinuous evaporite rocks

Mixed carbonate and evaporite rocks

Exportdatum: 17.08.2023



# North Ridge East Tank Battery



August 21, 2023

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

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

# Attachment II 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 & 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

POD q q q 
 Subbasin
 County
 Source
 64 16 4
 Sec
 Tws
 Rng

 CP
 LE
 2 2 2 3 5
 35 22S
 34E
 Code

X Y 647437 3580847

Distance Start Date 423 11/07/2019

Log File Finish Date Date 11/09/2019 02/03/2020 Depth Well Water Driller
200 0 WALLACE, BRYCE
J.LEE.NER

Licens Number 1706

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=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

647437

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng 22472 CP 01802 POD1 35 22S

 $\mathbf{X}$ 

3580847 **Driller License:** ELITE DRILLERS CORPORATION 1706 **Driller Company:** 

**Driller Name:** WALLACE, BRYCE J.LEE.NER

**Drill Start Date: Drill Finish Date:** Plug Date: 11/07/2019 11/09/2019 Log File Date: **PCW Rcv Date:** 02/03/2020 Source:

**Pump Type:** Pipe Discharge Size: **Estimated Yield:** 

**Casing Size:** 4.00 Depth Well: 200 feet **Depth Water:** 0 feet

Water Bearing Stratifications: **Bottom Description** Top

105 185 Other/Unknown

**Casing Perforations:** Top **Bottom** 

> 160 200

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

NO	OSE POD NO CP-1802	(WELL NO	1	WELL TAG ID NO. 22472		OSE FILE NO	Sı	·			
OCAT!	WELLOWN LIMESTO		N PROPERTIES R	ANCII LLC	•	PHONE (OPTIONAL)					
GENERAL AND WELL LOCATION	WELL OWN 3300 N A		BLDG 1, STE 220	CITY MIDLAND	STATE ZIP ND TX 79705						
L AND	WELL LOCATIO	N LA	DE	GREES MINUTES SECT 32 21 17	ONDS 7.43 N	*ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
ERA	(FROM GF	'S1	NGITUDE	QUIRED: WGS 84							
1. GEN			IG WELL LOCATION TO /4 S35 T22S R34E	STREET ADDRESS AND COMMON LANDI	MARKS PLS	SS (SECTION, TO	WNSIUIP, RANGE) WH	ERE AVAILABLE			
	LICENSE NO. NAME OF LICENSED DRILLER  NAME OF WELL DRILLING COMPANY  WD1706  BRYCE WALLACE  PLITE DRILLERS CORPORATION										
	DRILLING S		DRILLING ENDED	DEPTH OF COMPLETED WELL (FT) 200	1	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT N/A	l		
,	COMPLETE	O WELL IS:	ARTESIAN	7 DRY HOLE SHALLOW (UNC	ONFINED)		STATIC WATER LEV	VEL IN COMPLETED WE N/A	ELL (FT)		
TIOI	DRILLING F.	LUID:	AIR	✓ MUD ADDITIVES SPI	ECTFY:		<u> </u>				
RMA	DRILLING M	штнор:	√ ROTARY	HAMMER CABLE TOOL	ОТНЕ	R SPECIFY:					
INFC	DEPTH	EPTH (feet bgl) BORE HOLE		CASING MATERIAL AND/OR GRADE CA		ASING	CASING	CASING WALL	SLOT		
DRILLING & CASING INFORMATION	FROM	TO	DIAM (inches)	(include each easing string, and note sections of screen)	1	NECTION FYPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)		
S C	0	160	7 7/8	SDR17 PVC		PLINE	4.28	SDR17			
LING	160	200	7 7/8	SDR17 PVC	SI	PLINE	4.28	SDR17	.32		
ORIL								8			
2. I								270			
			<u> </u>		<u></u>			10			
					<u> </u>				1		
								ω			
								1	F-000 <sub>0000</sub> -2		
	DEPTH	(feet hol)	BORE HOLE	LIST ANNULAR SEAL M.	ATERIAL /	AND.	AMOUNT	METHO	D OP '> =		
AI.	FROM	TO	DIAM. (inches)	GRAVEL PACK SIZE-RANG			(cubic feet)	PLOCEN	D OR SE		
ERL	25	200	7 7/8	8/16 SILICA SA		40	POU	R			
MAT	0	25	7 7/8	PORTLAND	/11		6	POU	POUR		
AR											
ANNULAR MATERIAI			-								
<i>ન</i>		· · · · · · · · · · · · · · · · · · ·			. <u> </u>						
FOR	OSE INTER	NAL USF		1		WR-20	0 WELL RECORD :	& LOG (Version 04:3	0 19)		
FILE			02	POD NO.	1	TRN		873			
LOC	ATION	سند	12.30	4.35.222		WELL TAG II	ONO. 224		1 OF 2		

			*		****								
•	DEPTH (	feet bgl)	THICKNESS	COLOR AN	TYPE OF MA ER-BEARING CA				s	WA <sup>*</sup> BEAR		ESTIMA YIELD I WATE	OR
	FROM	ТО	(feet)	(attach su	pplemental sheets	to fully d	escribe a	II units)		(YES	/ NO)	BEARII ZONES (	
	0	5	5	SANDY TOPSOII.									
	5	25	20			Y	√N						
	25	65	40			Y	√ N						
	65	105	40			Y	√N						
	105	185	80	BROWN SANDY CLAY WITH SOME BROWN SAND STRINGERS									
	185	200	15		RED (	LAY				Y	√N		
WEI										Y	N		
OF										Y	N		
507										Y	N		
iiC.								_		Y	N		
XOI					-					Y	N		
GEO										Y	N		
4. HYDROGEOLOGIC LOG OF WELL										Y	N		
HYE										Y	N		
₹										Y	N		
										Y	N		
										Y	N		
										Y	N		
										Y	N		
										Y	N		
				·						Y	N		
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARIN	G STRATA:				TOTA	L ESTIN	MATED		
	PUM	P ZA	AIR LIFT	BAILER O	THER - SPECIFY	<b>'</b> :			WEL	L YIELD	(gpm):	0.00	
NO	WELL TES			ACH A COPY OF DA ME, AND A TABLE SI									•
RVISION	MISCELLA	NEOUS IN	FORMATION:										
PEF												2020	₹
S St													
: RI												- T F T 6.4	j
TEST; RIG SUPE	PRINT NAM	1E(S) OF D	RILI. RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE	SUPERVI	SION OF	WELL CON	ISTRUC	TION O	THER TE	IAN LICES	SEE:
νć													-
ы				AT TO THE BEST O WELL, I ALSO CERT								ND COR <b>I</b>	ECT
ATUR				WITH THE PERMIT I									1
SIGN	RECORD OF THE ABOVE DESCRIBED WELL, I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THE WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.  BRYCE WALLACE  11/20/19												
•		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME						DATE		
FOI	R OSE INTER	NAL USE						WR-20 WE	LL REC	ORD &	LOG (Ve	rsion 04/30/	2019)
		-180.	2		POD NO.	1		TRN NO.		987			
LO	CATION L	<u> </u>		35.222			WELL	TAG ID NO.				PAGE 2	OF 2

# Attachment IV Field Data

## **Hungry Horse, LLC**

## **Sample Log**

Date: 08-07-2023

Project: North Ridge East Tank Battery

Latitude: 32.35256 Longitude: -103.43607 Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZI"	Surt		200 48 x4= 192	
HZ1	1		1.80 4184= 164	
HZQ	Surf		2.0048x4= 192	
HZ2	1'		1,20 >100	
HZ3	SUFF		2,60 71×4= 224	
HZ.3	1 5		1,20 > 100	
HZ 4	Sunf		2.0048×4= 192	
HZH	1,		2.4@63x4= 252	
SPI	Surt		1.8@4184= 164	
SPI	11		1.8@411/4= 164	
SPI	2'		2.60 71.84= 284	
SPI	31		2.0@48x4=192	
SPI	4		1.6 @ 34×4= 1.36	
SP2	Surf		1.80 41X4= 164	
SP3	SurF		1,2@ >100	
SP4	Surf		2.80 80x4= 320	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R
GPS Sample Points, Center of Comp Areas

HZ1 etc Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

## **Hungry Horse, LLC**

## Sample Log

Date: <u>08-07-2023</u>

Project: North Ridge East Tank Battery

Latitude: 32.35256 Longitude: -103.43607 Sampler: Jerry Heidelberg

Sample ID	Depth PID/Odor			GPS
SP1	l'	None	1.8041X4=164	
			8	
SP1	2'		2.60 7184= 284	
SP1	3'		200 4004 101	
214			2.0@ 48x4= 192	
SP1	4'		1.603414=136	
SP2	1,		1.0 > 100	
SP2	21		3.6@ 120×4=480	
71 %			Side in the American	
SP2	3'		0.8 > 100	
(°D )	A > E		110 0001-110	
SP2	1 14 t		1.4028x4=112	
SP3	1'		1.20 > 100	
			11,000	
SP3	2'		2.40 63×4= 250 252	
SP3	.3'		11/2/2014/- 11/2	
313			1.402884=112	
SP3	41		1.00 > 100	
			=	
SP4	1,		1.40,28×4= 112	
SP4	2'		1.20 > 100	
SPH	31		110@ >100	
594	MI		1 20 111/11 111	
517	17		1, 8@ 41X4=164	

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



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

mg/kg

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

Analyzed By: JH/

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

DILX 6021D	ilig	rkg	Allalyze	a by. 311/					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M mg/		kg Analyze		ed By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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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Celey D. Keene

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		Analyzed 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	% 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		Analyzed 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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Celey D. Keene

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: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

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	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, 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		Analyzed 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 9	% 49.1-14	8						

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Celey D. Keene

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 - 1' (H234182-04)

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	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	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 08/07/2023 Reported: 08/11/2023

Project Name: NORTH RIDGE EAST TANK BATTERY Project Number: NONE GIVEN

Project Location: BTA UL/ A SEC 35 T22S - R34E Sampling Date: 08/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### 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, 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	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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Celey D. Keene



#### 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 3 - 1' (H234182-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 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	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						

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\*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

· ·

Received: 08/07/2023 Reported: 08/11/2023

Project Name: NORTH RIDGE EAST TANK BATTERY
Project Number: NONE GIVEN

Project Location: BTA UL/ A SEC 35 T22S - R34E

Sampling Date: 08/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B

	9,	9	7	7: 5::.,					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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						

Analyzed By: JH/

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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: 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	ed 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	% 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	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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#### 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

Analyzed By: JH/

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

DILX GOZID	iiig/	, kg	Alldiyzo	a by. 5117					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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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#### 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: SP 1 - 1' (H234182-10)

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	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, 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	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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#### Analytical Results For:

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

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mg/kg

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

Analyzed By: JH/

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

	9/	9	7	7: 5::,					
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, SM4500CI-B	mg,	/kg	Analyze	ed 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	ed 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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#### Analytical Results For:

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

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: Coo

Project Name: NORTH RIDGE EAST TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: BTA UL/ A SEC 35 T22S - R34E

mg/kg

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

BTEX 8021B

	9/	9	7	7: 5::.,					
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, SM4500CI-B	mg,	/kg	Analyze	ed 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	ed 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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#### 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

Analyzed By: JH/

Project Location: BTA UL/ A SEC 35 T22S - R34E

mg/kg

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

BTEX 8021B

	9,	9	7	7: 5::.,					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/09/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 08/07/2023 Sampling Date: 08/07/2023

Reported: 08/11/2023 Sampling Type: Soil
Project Name: NORTH RIDGE EAST TANK BATTERY Sampling Condition: Coo

Project Name: NORTH RIDGE EAST TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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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Celey D. Keene



#### 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: Sample Received By: NONE GIVEN 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 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To: (505) 391-4585

Received: 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

Analyzed By: MC

Project Location: BTA UL/ A SEC 35 T22S - R34E

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, 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	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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#### Analytical Results For:

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

mg/kg

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

Analyzed By: MS

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500CI-B	mg,	/kg	Analyze	ed 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	ed 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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#### 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

Analyzed By: MS

Project Location: BTA UL/ A SEC 35 T22S - R34E

mg/kg

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

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	ed 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	ed 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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#### 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

Applyzod By: MC

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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		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	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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08/07/2023

Soil

#### Analytical Results For:

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

ma/ka

Received: 08/07/2023 Sampling Date:
Reported: 08/11/2023 Sampling Type:

Project Name: NORTH RIDGE EAST TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea 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		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	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To: (505) 391-4585

Received: 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

Analyzed By: MC

Project Location: BTA UL/ A SEC 35 T22S - R34E

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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		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	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	% 49.1-14	8						

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#### Analytical Results For:

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

mg/kg

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

Analyzed By: MS

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

	<u> </u>			,					
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	ed 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	ed 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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#### Analytical Results For:

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

,

mg/kg

 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

Analyzed By: MS

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

	<u> </u>								
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	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 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: Sample Received By: NONE GIVEN 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	6 49.1-14	8						

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#### Analytical Results For:

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

ma/ka

 Received:
 08/07/2023
 Sampling Date:
 08/07/2023

 Reported:
 08/11/2023
 Sampling Type:
 Soil

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

Analyzed By: MC

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea 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		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	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To: (505) 391-4585

Received: 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: Sample Received By: NONE GIVEN 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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#### Analytical Results For:

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

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mg/kg

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: Coo

Project Name: NORTH RIDGE EAST TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA UL/ A SEC 35 T22S - R34E

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

BTEX 8021B

DILX OUZID	ilig/	, kg	Andryzo	u by. 1-15					
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		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	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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#### 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 Sample Received By: Project Number: NONE GIVEN 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 9	% 49.1-14	8						

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#### **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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ompany N		575) 393-2326 Hungry Horse		0,000 2						T		E	BIL	L TO					AN	ALYSIS	S REC	QUES	Γ		
roject Mai		Daniel Doming								P	.0.#	:													
ddress:	PO Bo	x 1058								c	omp	any	ВТ	A Oil Produc	ers, LLC										
	bbs		State:	NM	Zi	p:	8824	1		A	ttn:	Kelto	on B	eaird											
hone #:	_	3-3386	Fax #:							A	ddre	ss:	104 \$	S Pecos S	t.										
roject #:	-		Project	Owner:	ВТА	liO A	Produ	cers, l	LC	o	ity:	Midl	and												
roject Na	no. No	orth Ridge East T	-		_					s	tate:	TX	Z	ip: 7970		1									
roject Lo		UL/ A Sec 35								P	hone	#: 4	_	312-2203											
		Jerry Heidelbe								F	ax #:					1									
ampler Na		Jerry Frederice	19		_			MA	TRIX	_	PR	ESER	RV.	SAMPLI	1G	1			- 1				1 1		
Lab I.I		Samp	le I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	ТРН	BTEX 8021							
		Z1-Surf			G	1		X			6	X		8/7/23		X	X	Х		-	-	-			-
	2 H	Z1-1'			G	1		X				X	1	8/7/23		X	X	X			-	-			-
	3 H	Z2-Surf			G	1		X	-		1	X	1	8/7/23		X	Х	X		-		-			-
	4 H	Z2-1'			G	1		Х	1		1	X	4	8/7/23		X	X	Х			+	-		+	-
	SH	Z3-Surf			G	1		X	-		+	X	1	8/7/23		X	X	X		-	+	+		-	+
	6 H	Z3-1'			G	+		X	-		+	X	+	8/7/23		X	X	X			+	1			
	7 H	Z4-Surf			G	1	Н	X	-	-	+	X	+	8/7/23		X	X	X		-	+	+			+
	8 H	74-1'			G	1		X				X		8/7/23		X	X	X			_	-		-	-

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Relinquished By:	Date: 8-7-23 Time:///	Received By	Phone Result:
Relinquished By:	Date:	Received By:	Email results to: pm@hungry-horse.com kbeaird@btaoil.com
Delivered Bv: (Circle One) Sampler - UPS - Bus - Other:	1.10	Sample Condition CHECKED BY:  Cool Intact (Initials)  Yes Yes	

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company N	ame:	Hungry Horse	LLC										В	BILL T	0					AN	ALYS	SIS	REQ	UES	Т				ļ
Project Man		Daniel Doming	guez								P.0	. #:																	Т
Address:	РО Во	x 1058									Cor	npa	ny	BTA Oil I	roduc	cers, LLC									1				1
City: Hot	obs		State:	NM	Zi	p:	882	41			Attr	n:	Kelto	n Beaird															1
Phone #:	575 39	3-3386	Fax #:								Add	ires	s: 10	04 S Pe	cos S	it.													1
Project #:			Project	Owner:	ВТА	N Oil	Produ	cers,	LLC		City	r: 1	Midla	and															1
Project Nan	ne: No	orth Ridge East	Tank Batte	ry								te:		Zip:															1
Project Loc	ation:	UL/ A Sec 35	T22S - R3	4E							Pho	one	#: 4:	32-312-2	2203	2													1
Sampler Na	me:	Jerry Heidelbe	erg								Fax	#:																	1
FOR LAB USE ON	8LY				Τ.	Γ		MA	TRI	X		PRE	SER\	V. SAI	MPLIN	NG													
Lab 1.D		Samp	le I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	DA	TE	TIME	Chloride	ТРН	BTEX 8021										
		P1-Surf			G	1		X	6				X	8/7/	23		X	X	Х		-	-			-	-	-	-	4
	10 SI	P1-1'			G	1		X					X	8/7/	23		X	X	X			-			-	-	1		4
	// SI	P1-2'			G	1		X					Х	8/7/	23		X	X	X		-	-		-	-	-	-	-	4
	12 SI	P1-3'			G	1		X					X	8/7/	23		Х	X	X		-	-			-	+	+		4
	13 SI	P1-4'			G	1		X					X	8/7/	23		X	X	Х		-	-		-	-	-	-	-	4
	- 7	P2-Surf			G	1		X					X	8/7/	23		Х	X	Х	_	_	+		-	-		-	-	4
	15 SI	P2-1'			G	1		X					Х	8/7/	23		Х	X	X	_	-	-		-	-	-	+	-	4
	16 S	P2-2'			G	1		X					X	8/7/	23		Х	X	X		+	-		-	-	-	+	+	4
	17 s	P2-3'			G	1		X	_				Х	8/7/	_		X	X	X		+	$\rightarrow$		-	-	-	+	+	4
	/X S	P2-4'			G	1		X					Х	8/7/	23		X	X	X										_

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Relinquished By:	Date: 7-23 Received By:	Phone Result:         □ Yes         □ No         Add'l Phone #:           Fax Result:         □ Yes         □ No         Add'l Fax #:	
Gerry Od or Mollers	Time: WALL SMINHA WILLIAMS	REMARKS:	
Relinquished By:	Date: Received By:	Email results to: pm@hungry-horse.com	
-	Time:	kbeaird@btaoil.com	
Delivered By: (Circle One)	Sample Condition CHECKED BY:		
Sampler - UPS - Bus - Other:	I Yes Yes No No		

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age 32 of 33

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	Name	(575) 393-2326 Hungry Horse L		75) 393-2	476	_	_		-	Т	-		BIL	LTO					AN	ALYSI	S RE	QUES	Т		
ompany		Daniel Domingu								F	.0.#	_													
roject Ma	_	ox 1058	162			_				-	omp		В	TA Oil Produc	cers, LLC										
ddress:	_	0X 1U56	State:	NIM	Zi	n.	8824	1		-	ttn:	1	ton I	Beaird							1				
,	lobbs		-	INIVI	21	ρ.	0027			_				S Pecos S	St.										
hone #:	575 3	93-3386	Fax #:		lar.	011	Produc		1.0	-	ity:	_	lland												
roject #:			-	Owner:	BIA	Oil	Produ	cers, i	LLG	-	-	-		Zip: 7970	1										
roject Na	ame: N	lorth Ridge East T									tate		_												
roject Lo	ocation:	UL/ A Sec 35 T	22S - R3	4E						-	_	-	432	-312-2203											
ampler l	Name:	Jerry Heidelber	g			_				F	ax#	RESE		SAMPLI	100										
Lab I.	.D.	Sampl	e I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	T	OIL	SLUDGE		ICE / COOL		DATE	TIME	Chloride	ТРН	BTEX 8021							
10.11	19	SP3-Surf			G	1		X	1			X		8/7/23		Х	X	X	-	-	-	-	-		
		SP3-1'			G	1		X	_			X		8/7/23	3.	X	X	X			-	-	-		
		SP3-2'			G	1		X				X		8/7/23		X	Х	Х		-	-	-	-		
		SP3-3'			G	1		Х			1	X		8/7/23		X	X	X	-	-	+	+	+		
	2.4-	SP3-4'			G	1	Ш	X	$\overline{}$		1	X		8/7/23		X	X	X	-	-	-	-	1		
		SP4-Surf			G	1	Ц	X	+		+	X	_	8/7/23		X	X	X		-	-	+	1		
	25	SP4-1'			G	1	$\sqcup$	X	_		+	X	+	8/7/23		X	X	X			+	+	+		
	36	SP4-2'			G	1	$\sqcup$	X	_		-	X	+	8/7/23		X	X	X		-		-			
		SP4-3'			G	_		X	-		+	X	-	8/7/23		X	X	X		-	+				
	28	SP4-4'			G	1		X	contra			X		8/7/23		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 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,

Relinquished By:	Date: Received By:	10111	Phone Result: ☐ Yes Fax Result: ☐ Yes		
1 0/G/M	Time: 1414/	ara Walaku	REMARKS:		
Relinquished By:	Date: Received By:	ma way	Email results to:	pm@hungry-horse.com	
	Time:			kbeaird@btaoil.com	
Delivered By: (Circle One)		e Condition CHECKED BY:	1		
Sampler - UPS - Bus - Other:	1 1/	es l'Yes			

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# 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: N	North Ridg	ge East Tank Ba	attery		Site Type: Tank Battery
Date Release	Discovered	: 2/5/2022			API# (if applicable) Nearest wel
Unit Letter	Section	Township	Range		County
A	35	22S	34E	Lea	2 2 22 3
Surface Owne	r: State	☐ Federal ☐ 7		(Name:	)
			Nature ar	ıd Vo	lume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil 2 BBL (burned) Volume Released (bbls) 2 BBL Volume Recovered (bbls) Produced Water Volume Released (bbls) Volume Recovered (bbls) Is the concentration of dissolved chloride in the ☐ Yes ☐ No produced water >10,000 mg/l? 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 was left on, pushing oil that overflowed the flare 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.)

Incident ID	nAPP2203851688
District RP	
Facility ID	fAPP2130022284
Application ID	0 - 07 50 1000

n C-141	State of New Mexico	Incident ID	nAPP2203851688
: 2	Oil Conservation Division	District RP	
		Facility ID	fAPP2130022284
		Application ID	
release as defined by 19.15.29.7(A) NMAC?  Yes \[ \sum \] No	The release resulted in a fire.		

# **Initial Response**

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect hu	man health and the environment.
Released materials have been contained via the u	se of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recoverable materials have be	een removed and managed appropriately.
If all the actions described above have <u>not</u> been under	rtaken, explain why:
Der 10 15 20 8 B (A) NIMAC the recognitible party m	nay commence remediation immediately after discovery of a release. If remediation
has begun, please attach a narrative of actions to dat	te. If remedial efforts have been successfully completed or if the release occurred (5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are required to report and/or file or public health or the environment. The acceptance of a C-1- failed to adequately investigate and remediate contamination	d complete to the best of my knowledge and understand that pursuant to OCD rules and ertain release notifications and perform corrective actions for releases which may endanger 41 report by the OCD does not relieve the operator of liability should their operations have on that pose a threat to groundwater, surface water, human health or the environment. In we the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Bob Hall Title: Environmental	Manager
0.1.1	
Signature: Salt-all	Date: 2/18/2022
email: bhall@btaoil.com Telephon	e: 432-682-3753
OCD Only	
Received by: Ramona Marcus	Date: 2/21/2022

#### NAPP2203851688

**Location** North Ridge East Flare Fire API# **Spill Date** 2/5/2022 **Spill Dimensions ENTER** - Length of Spill 30 feet **ENTER** - Width of Spill 30 feet **ENTER** - Saturation Depth of Spill inches **ENTER** - Porosity Factor 0.15 decimal Oil Cut - Well Test / Vessel Throughput or Contents Oil 99.999 Water 0.001 Calculated Oil Cut 0.99999 **Volume Recovered in Truck / Containment ENTER** - Recovered Oil BBL **ENTER** - Recovered Water BBL **Calculated Values** calculated Release of Oil in Soil - Unrecovered 2 *BBL* 0 BBL Release of Water in Soil - Unrecovered BBL **Unrecovered Total Release Calculated Values** calculated Total Release of Oil BBL 0 Total Release of Water BBL **Total Release** 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 ft<sup>3</sup> / BBL

X

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

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 82634

#### **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
chensle	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	

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** 

CONDITIONS

Action 257660

#### **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 Date
nvelez	velez Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to Hungry Horse on 10/24/2023. Release resolved.	