



## Remediation Summary and Closure Request

**BTA Oil Producers, LLC**

**North Ridge East**

**Lea County, New Mexico**

**Unit Letter "A", Section 35, Township 22 South, Range 34 East**

**Latitude 32.352238 North, Longitude 103.435856 West**

**NMOCD Incident # nAPP2320646612**

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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**

Handwritten signature of Bradley Wells in black ink.

Bradley Wells

Project Manager

[bwells@hungry-horse.com](mailto:bwells@hungry-horse.com)

Handwritten signature of Daniel Dominguez in black ink.

Daniel Dominguez

Environmental Manager

[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

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Incident ID	nAPP2320646612
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?	>100' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2320646612
District RP	
Facility ID	
Application ID	

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 Beard Title: Environmental Manager  
Signature:  Date: 8-24-23  
email: kbeaird@btaoil.com Telephone: 432-312-2203

**OCD Only**

Received by: Shelly Wells Date: 8/24/2023

Incident ID	nAPP2320646612
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Kelton Beard Title: Environmental Manager  
 Signature:  Date: 8-24-23  
 email: kbeird@btaoil.com Telephone: 432-312-2203

**OCD Only**

Received by: Shelly Wells Date: 8/24/2023

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2320646612
District RP	
Facility ID	
Application ID	

## Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Kelton Beaird Title: Environmental Manager  
 Signature:  Date: 8-24-23  
 email: kbeaird@btaoil.com Telephone: 432-312-2203

**OCD Only**

Received by: Shelly Wells Date: 8/24/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 12/06/2023  
 Printed Name: Nelson Velez Title: Environmental Specialist - Adv

**Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to Etech on 10/06/2023. Release resolved.**



## HUNGRY HORSE, LLC

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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 on a heater treater within a polyethylene lined metal containment area on an active well pad; Latitude 32.352238 North, Longitude 103.435856 West. The Initial NMOCD Form C-141 indicated that on July 24, 2023 a fire was reported on a heater treater within the lined containment area at the North Ridge East Battery. The fire department was called, arrived on scene, and extinguished the fire. 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
>100'	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
	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



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### **Delineation and Remediation Activities:**

On August 14, 2023, Hungry Horse conducted an initial site assessment consisting of photographing, mapping, and sampling the burned area within containment. During sampling, hand augered test bores were advanced throughout the burned 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 containment 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, twelve representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP3, HZ1 through HZ3, 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 strictest NMOCD Closure Criteria in each of the submitted samples, no excavation activities were required and the liner was subsequently repaired.

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, the liner was repaired. As the affected area is located within lined 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 strictest NMOCD Closure Criteria.

Based on laboratory analytical results, BTA Oil Producers, LLC respectfully request closure of the North Ridge East location, incident nAPP2320646612.



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**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

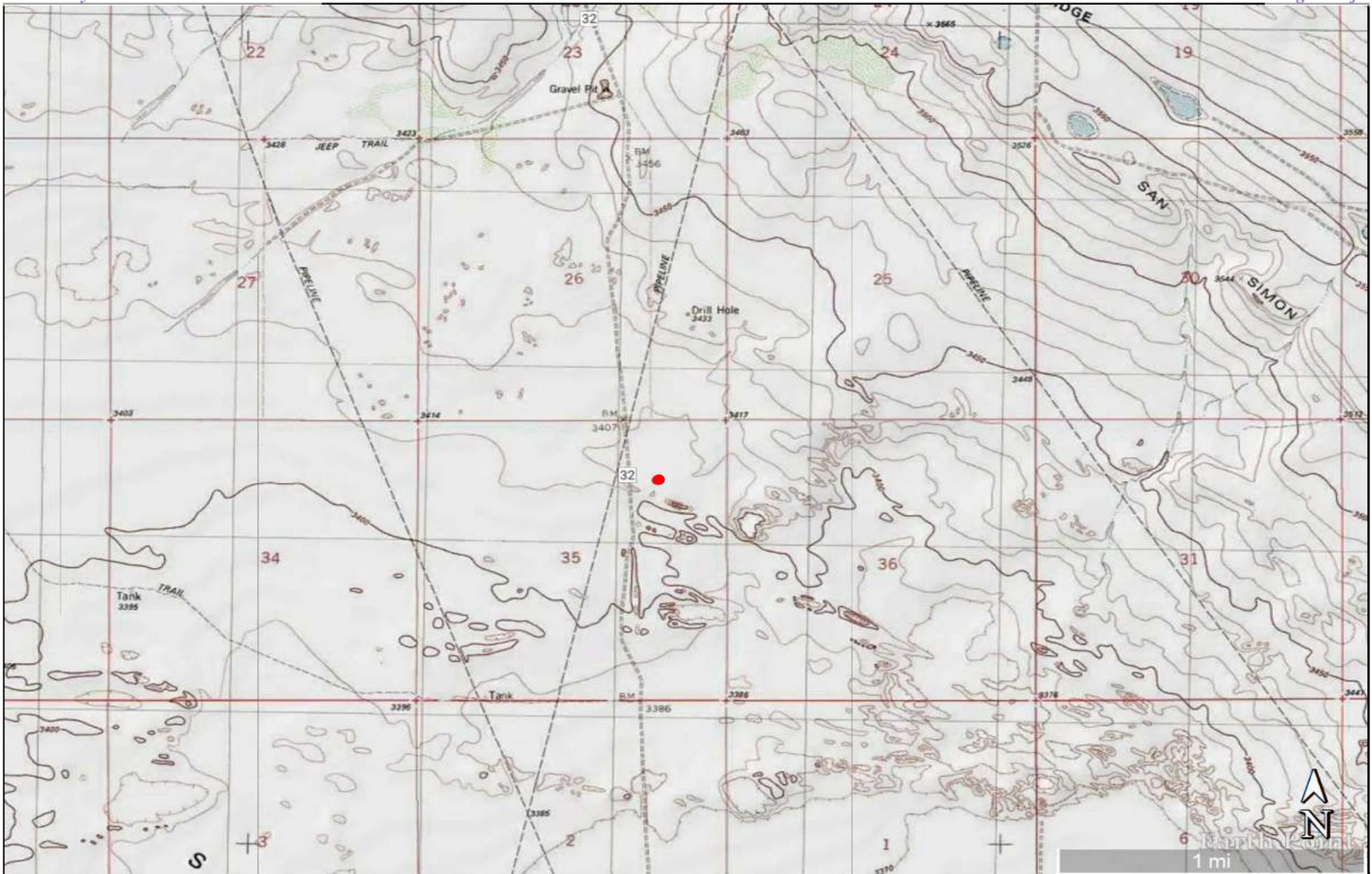
**New Mexico Energy, Minerals and Natural Resources Department**

Oil Conservation Division, District 2  
811 S. First St.  
Artesia, NM 88210

**Limestone Basin Prop Ranch, LLC**

PO Box 5677  
Abilene, TX 79608

## **Figures**



**Figure 1**

Topographic Map  
 BTA Oil Producers, LLC  
 North Ridge East - Fire  
 GPS: 32.352562, -103.436069  
 Lea County

**Legend:**

● North Ridge East - Fire Location

Drafted: bw  
 Checked: dd  
 Date: 8/11/23





1:18055

**Figure 2**  
OSE POD Locations Map  
BTA Oil Producers, LLC  
North Ridge East - Fire  
GPS: 32.352562, -103.436069  
Lea County

- Legend:**
- North Ridge East - Fire Location
  - Plugged OSE Water Well
  - Pending OSE Water Well

Drafted: bw  
Checked: dd  
Date: 8/11/23



**Figure 3**

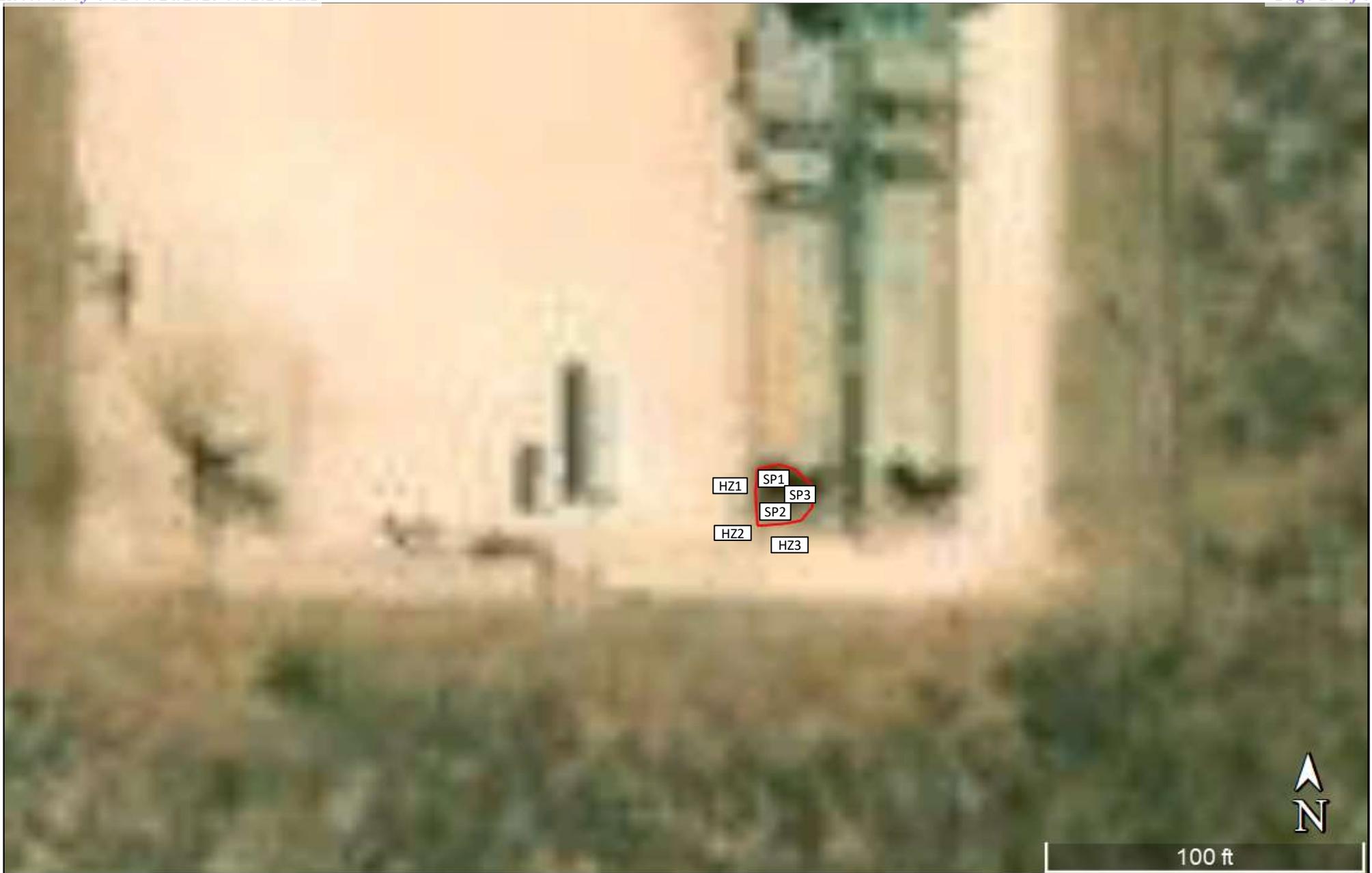
USGS Well Locations Map  
BTA Oil Producers, LLC  
North Ridge East - Fire  
GPS: 32.352562, -103.436069  
Lea County

**Legend:**

● North Ridge East - Fire Location



Drafted: bw  
Checked: dd  
Date: 8/11/23



**Figure 4**

Delineation Sample Map  
BTA Oil Producers, LLC  
North Ridge East - Fire  
GPS: 32.352238, -103.435856  
Lea County

**Legend:**

-  Burned Area in Lined Containment
-  Delineation Sample Location



Drafted: bw  
Checked: dd  
Date: 8/11/23

## **Tables**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**BTA Oil Producers, LLC**  
**North Ridge East - Fire**  
**NMOCD Ref. #: nAPP2320646612**

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)
SP1	8/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	8/14/23	1	In-Situ	<0.050	<0.300	<10.0	17.2	<20.0	<10.0	<30.0	16.0
SP2	8/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	31.4	31.4	13.6	45	32.0
	8/14/23	1	In-Situ	<0.050	<0.300	<10.0	12.8	<20.0	<10.0	<30.0	32.0
SP3	8/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	15.0	<20.0	<10.0	<30.0	32.0
	8/14/23	1	In-Situ	<0.050	<0.300	<10.0	22.7	22.7	<10.0	<30.0	16.0
HZ1	8/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/14/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	8/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	8/14/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ3	8/14/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/14/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>1,000</b>	-	<b>2,500</b>	<b>20,000</b>

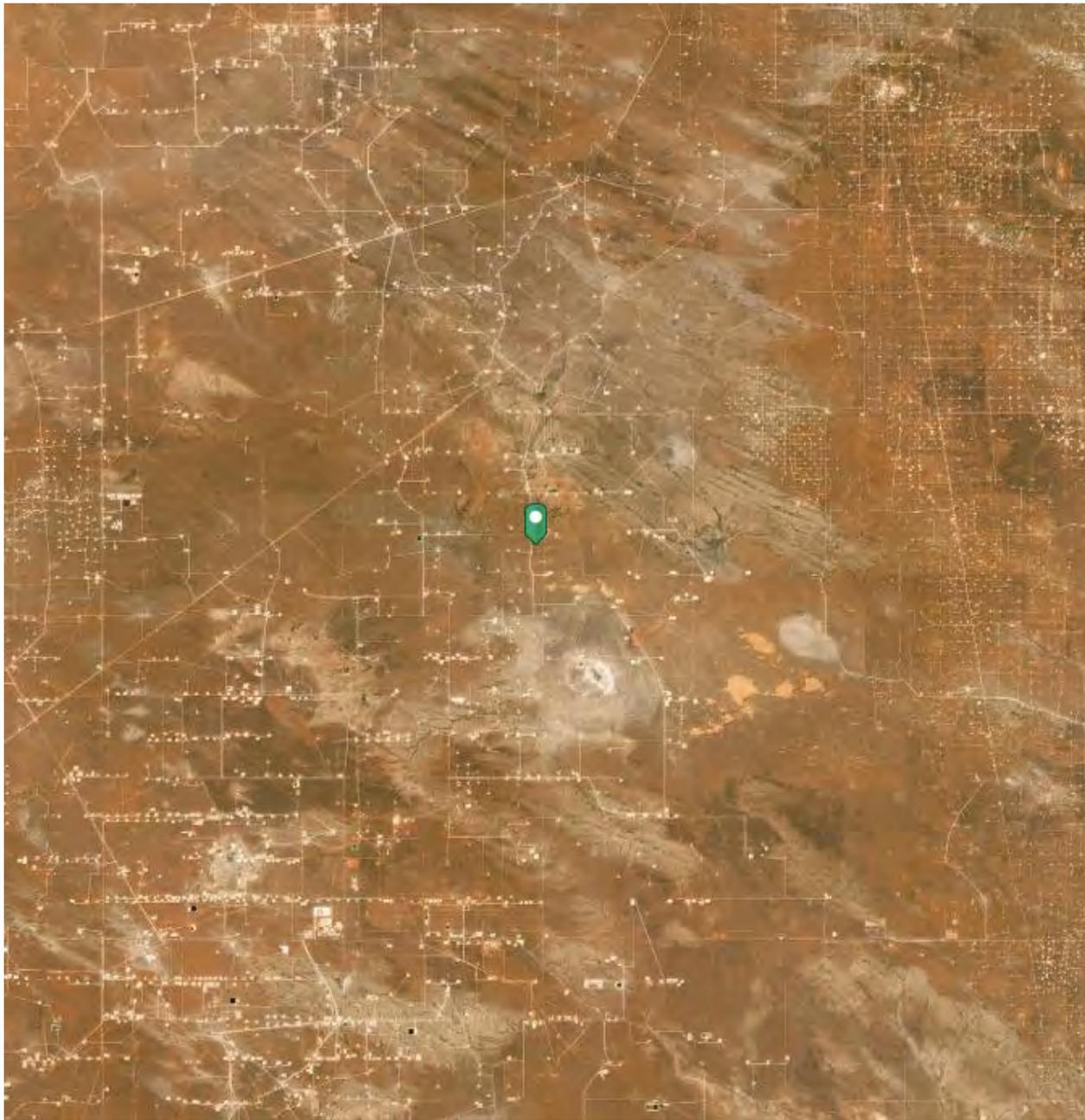
**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

# **Attachment I**

## **Karst and Wetland Maps**



## North Ridge East

### Karst springs

- Spring with low flow discharge  $\geq 2 \text{ m}^3/\text{s}$
- Spring with low flow discharge  $< 2 \text{ m}^3/\text{s}$
- Submarine spring
- Thermal spring

- Discontinuous carbonate rocks
- Continuous evaporite rocks
- Discontinuous evaporite rocks
- Mixed carbonate and evaporite rocks

### Water

- abstraction structure in karst aquifer
- Ω 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



# North Ridge East



August 21, 2023

### Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

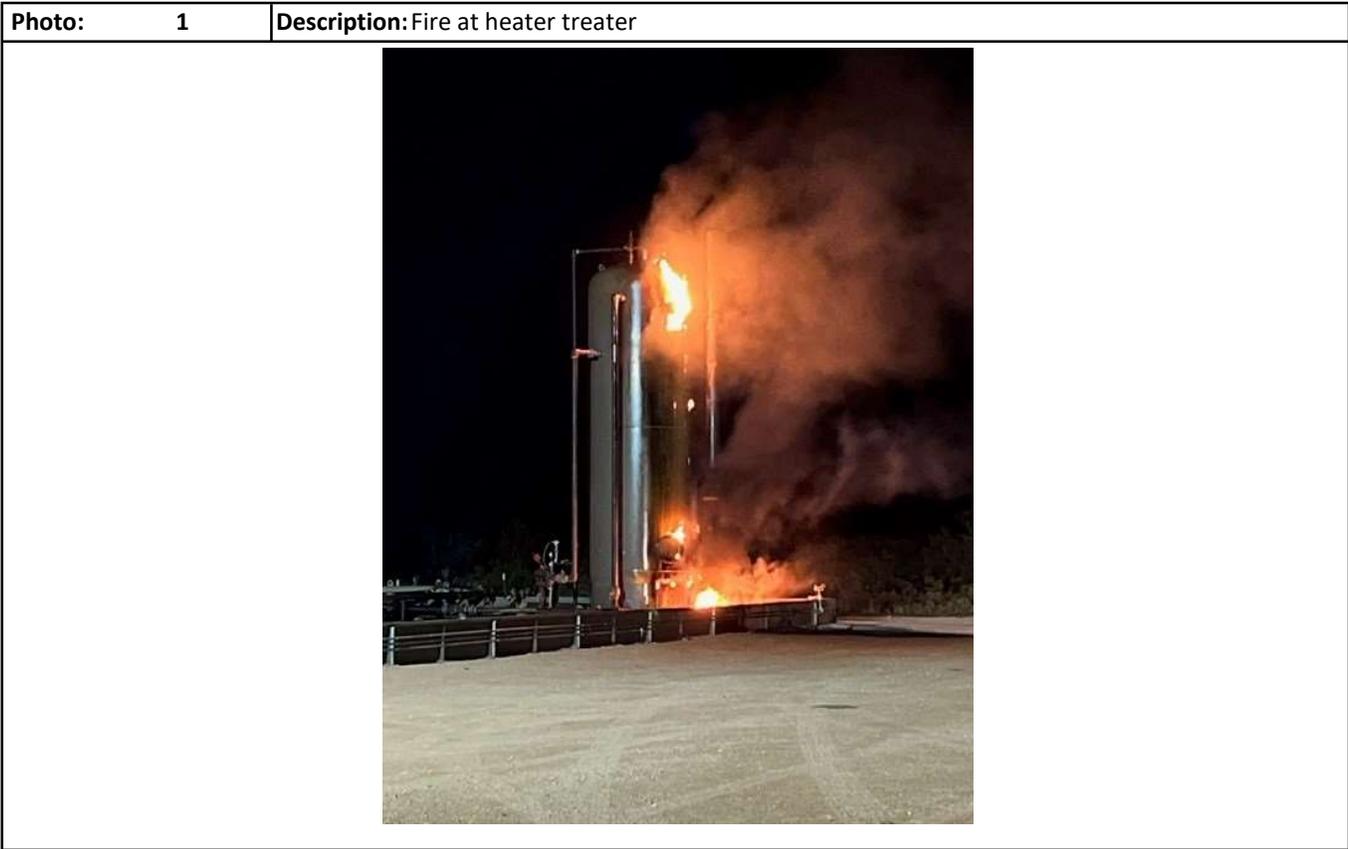
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

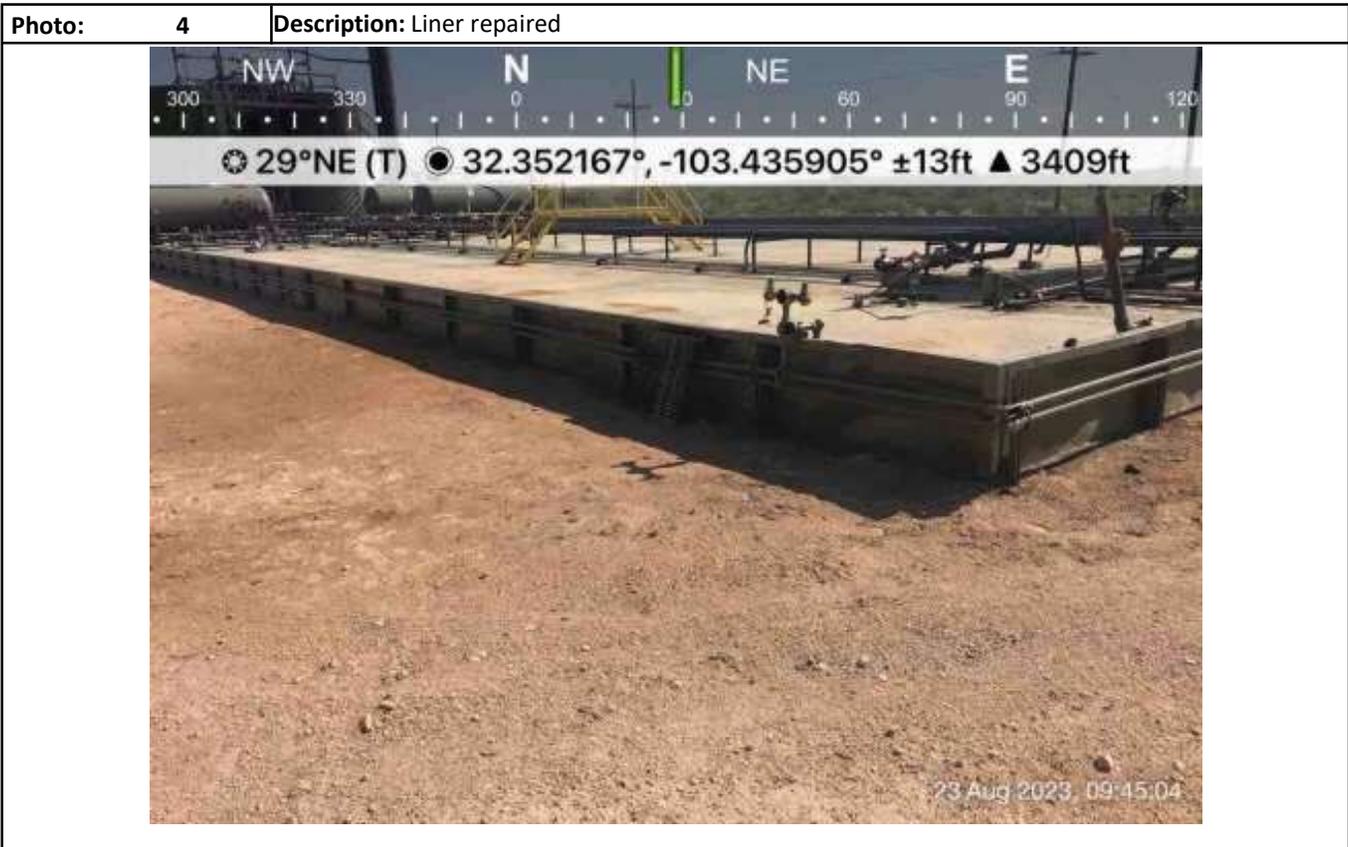
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

## **Attachment II Site Photographs**

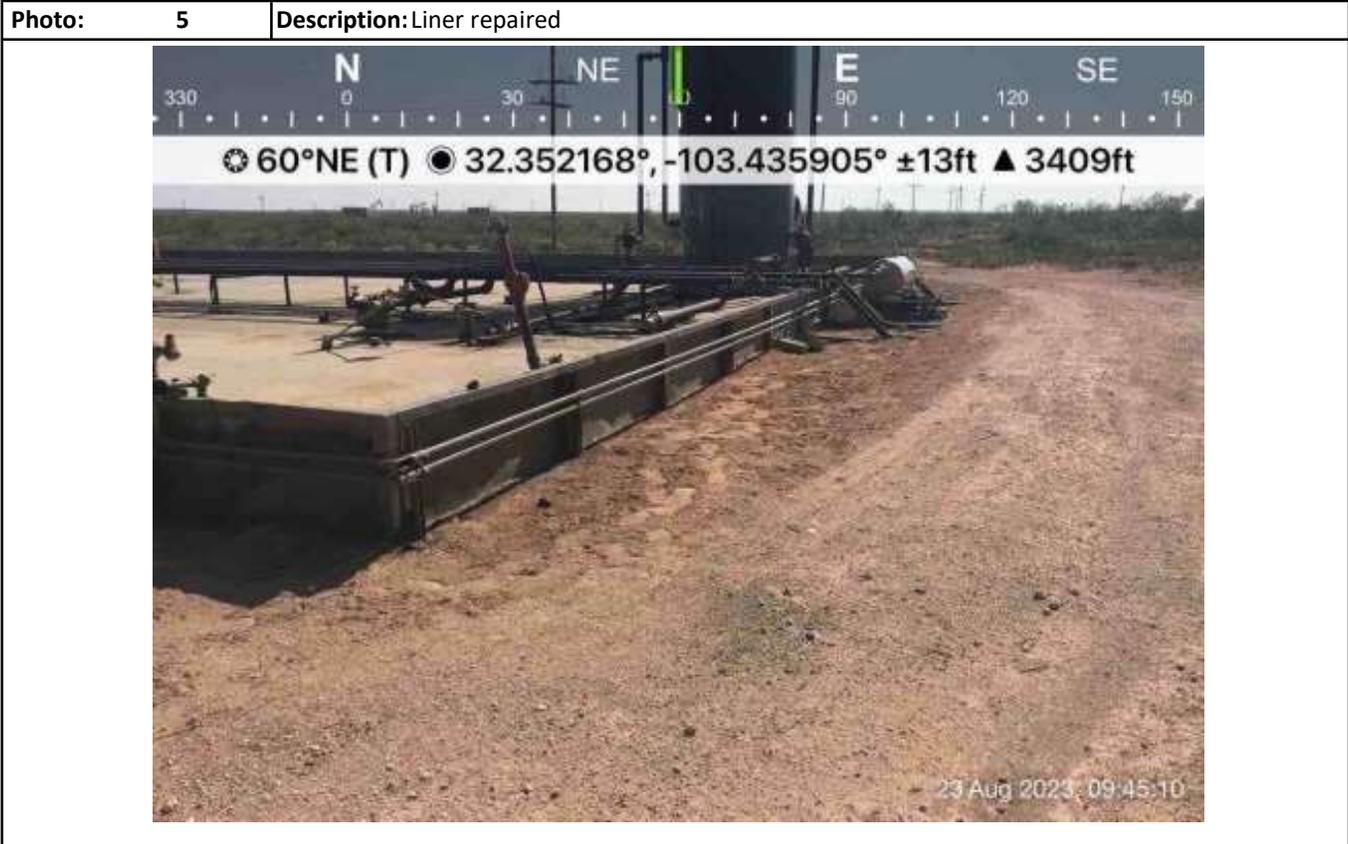
# Photographs



### Photographs



### Photographs



## **Attachment III Depth to Groundwater**



## New Mexico Office of the State Engineer

# Wells with Well Log Information

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

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

(NAD83 UTM in meters)

(in feet)

POD Number	Code	Subbasin	County	Source	64	16	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	Licens Numb
<a href="#">CP 01802 POD1</a>		CP	LE		2	2	2	35	22S	34E	647437	3580847	388	11/07/2019	11/09/2019	02/03/2020	200	0	WALLACE, BRYCE J.LEE,NER	1706

**Record Count:** 1

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 647182

**Northing (Y):** 3580554.93

**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 1:33 PM

WELLS WITH WELL LOG INFORMATION



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)			(quarters are smallest to largest)	(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
22472	CP 01802 POD1	2	2	2	35	22S	34E	647437	3580847

<b>Driller License:</b> 1706	<b>Driller Company:</b> ELITE DRILLERS CORPORATION	
<b>Driller Name:</b> WALLACE, BRYCE J.LEE.NER		
<b>Drill Start Date:</b> 11/07/2019	<b>Drill Finish Date:</b> 11/09/2019	<b>Plug Date:</b>
<b>Log File Date:</b> 02/03/2020	<b>PCW Rev Date:</b>	<b>Source:</b>
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 4.00	<b>Depth Well:</b> 200 feet	<b>Depth Water:</b> 0 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	105	185	Other/Unknown

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>	
	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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1802		WELL TAG ID NO. 22472		OSE FILE NO(S)			
	WELL OWNER NAME(S) LIMESTONE BASIN PROPERTIES RANCH LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3300 N A STREET, BLDG 1, STE 220				CITY MIDLAND	STATE TX	ZIP 79705	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 21	SECONDS 17.43	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE	103	25	59.15	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4 NE 1/4 NE 1/4 S35 T22S R34E								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER BRYCE WALLACE			NAME OF WELL DRILLING COMPANY ELITE DRILLERS CORPORATION		
	DRILLING STARTED 11/07/19	DRILLING ENDED 11/09/19	DEPTH OF COMPLETED WELL (FT) 200	BORE HOLE DEPTH (FT) 200	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	160	7 7/8	SDR17 PVC	SPLINE	4.28	SDR17	
	160	200	7 7/8	SDR17 PVC	SPLINE	4.28	SDR17	.32
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	25	200	7 7/8	8/16 SILICA SAND	40	POUR		
	0	25	7 7/8	PORTLAND CEMENT	6	POUR		

2020 FEB 13 PM 4:28  
 STATE ENGINEER OFFICE  
 1000 W. UNIVERSITY AVENUE  
 ALBUQUERQUE, NM 87102

FOR OSE INTERNAL USE

FILE NO. <b>CP-1802</b>	POD NO. <b>1</b>	WR-20 WELL RECORD & LOG (Version 04/30/19)
LOCATION <b>Line 22.34.35.222</b>	WELL TAG ID NO. <b>22472</b>	TRN NO. <b>659873</b>
		PAGE 1 OF 2



## **Attachment IV Field Data**



# **Attachment V**

## **Laboratory Analytical Reports**



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

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August 18, 2023

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: NORTH RIDGE EAST - FIRE

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 16:09.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: HZ 1 - SURF (H234412-01)**

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	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	3.92	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

Cardinal Laboratories

\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: HZ 1 - 1' (H234412-02)**

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	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	3.92	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: HZ 2 - SURF (H234412-03)**

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	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	3.92	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 63.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: HZ 2 - 1' (H234412-04)**

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	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	3.92	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: HZ 3 - SURF (H234412-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: HZ 3 - 1' (H234412-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: SP 1 - SURF (H234412-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: SP 1 - 1' (H234412-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
<b>DRO &gt;C10-C28*</b>	<b>17.2</b>	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: SP 2 - SURF (H234412-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
<b>DRO &gt;C10-C28*</b>	<b>31.4</b>	10.0	08/16/2023	ND	225	112	200	1.66	
<b>EXT DRO &gt;C28-C36</b>	<b>13.6</b>	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: SP 2 - 1' (H234412-10)**

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	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
<b>DRO &gt;C10-C28*</b>	<b>12.8</b>	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: SP 3 - SURF (H234412-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	200	99.9	200	2.88	
<b>DRO &gt;C10-C28*</b>	<b>15.0</b>	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/15/2023	Sampling Date:	08/14/2023
Reported:	08/18/2023	Sampling Type:	Soil
Project Name:	NORTH RIDGE EAST - FIRE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ A SEC 35 T22S - R34E		

**Sample ID: SP 3 - 1' (H234412-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.92	96.1	2.00	5.82	
Toluene*	<0.050	0.050	08/17/2023	ND	2.07	104	2.00	6.53	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.12	106	2.00	7.05	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.41	107	6.00	7.35	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	08/16/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	182	91.2	200	4.80	
<b>DRO &gt;C10-C28*</b>	<b>22.7</b>	10.0	08/16/2023	ND	184	92.2	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03      The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
- 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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company and project information, a 'BILL TO' section, an 'ANALYSIS REQUEST' table with columns for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling, and a grid for test results (Chloride, TPH, BTEX 8021).

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.

Form for signatures and dates: Relinquished By, Received By, Delivered By, and checkboxes for Sample Condition (Cool/Intact) and CHECKED BY (Initials).

† 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 Name: Hungry Horse LLC
Project Manager: Daniel Dominguez
Address: PO Box 1058
City: Hobbs State: NM Zip: 88241
Phone #: 575 393-3386 Fax #:
Project #: Project Owner: BTA Oil Producers, LLC
Project Name: North Ridge East - Fire
Project Location: UL/ A Sec 35 T22S - R34E
Sampler Name: Jerry Heidelberg

Table with columns: Lab I.D., Sample I.D., (G/RAB OR (C)OMP # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH, BTEX 8021. Rows 7-12 contain sample data.

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.

Relinquished By: [Signature] Date: 8/15/23 Time: 16:09
Received By: [Signature]
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0.5c #140
Sample Condition: Cool Intact [Checked] Yes [ ] No
CHECKED BY: (Initials) Y-S

† 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	nAPP2320646612
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### Location of Release Source

Latitude: 32.352562

Longitude: -103.436069

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: North Ridge East	Site Type: Production facility
Date Release Discovered: 7-24-2023	API# (if applicable)

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

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

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

Cause of Release:

A fire was discovered on the top side of the heater treater. No fluids were observed being released. The fire department was dispatched and extinguished the fire.

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2320646612
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Fire
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By Kelton Beard to ocd.enviro, Mike Bratcher, Robert Hamlet on 7-25-2023 by email.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Kelton Beard Title: Environmental Manager Signature:  Date: 7-28-2023 email: kbeaird@btaoil.com Telephone: 432-312-2203
<b><u>OCD Only</u></b> Received by: Shelly Wells Date: 7/28/2023

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

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

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

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 245340

**CONDITIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 245340
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	7/28/2023

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

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

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

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 256929

**CONDITIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 256929
	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.	12/6/2023