

Incident Details

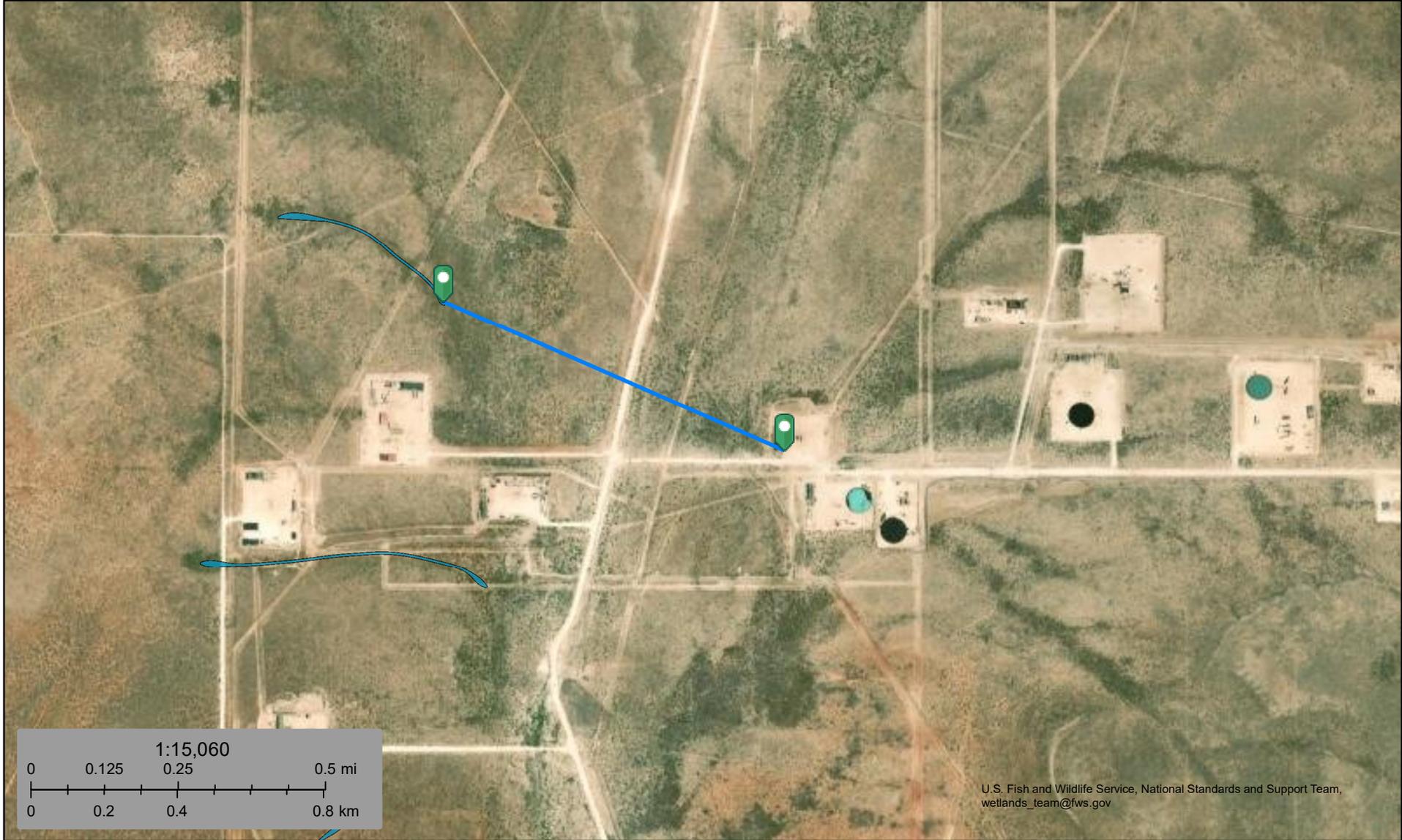
Liberty Lift was in the process of pumping out of the jet nozzle when the jet pump pressured up causing the PRV to relieve. The operation was shut down and fluid was immediately removed. 15 bbls. of fluid was released to the lined secondary containment.

Volume of the release was confirmed with the vac truck. Fluid was transported back to the tank and gauged.

Released to Hingham 9/27/2024 1:08:28 PM

U.S. Fish and Wildlife Service  
**National Wetlands Inventory**

# 2- Watercourse - Chiso State 14 Battery- 2



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

November 30, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

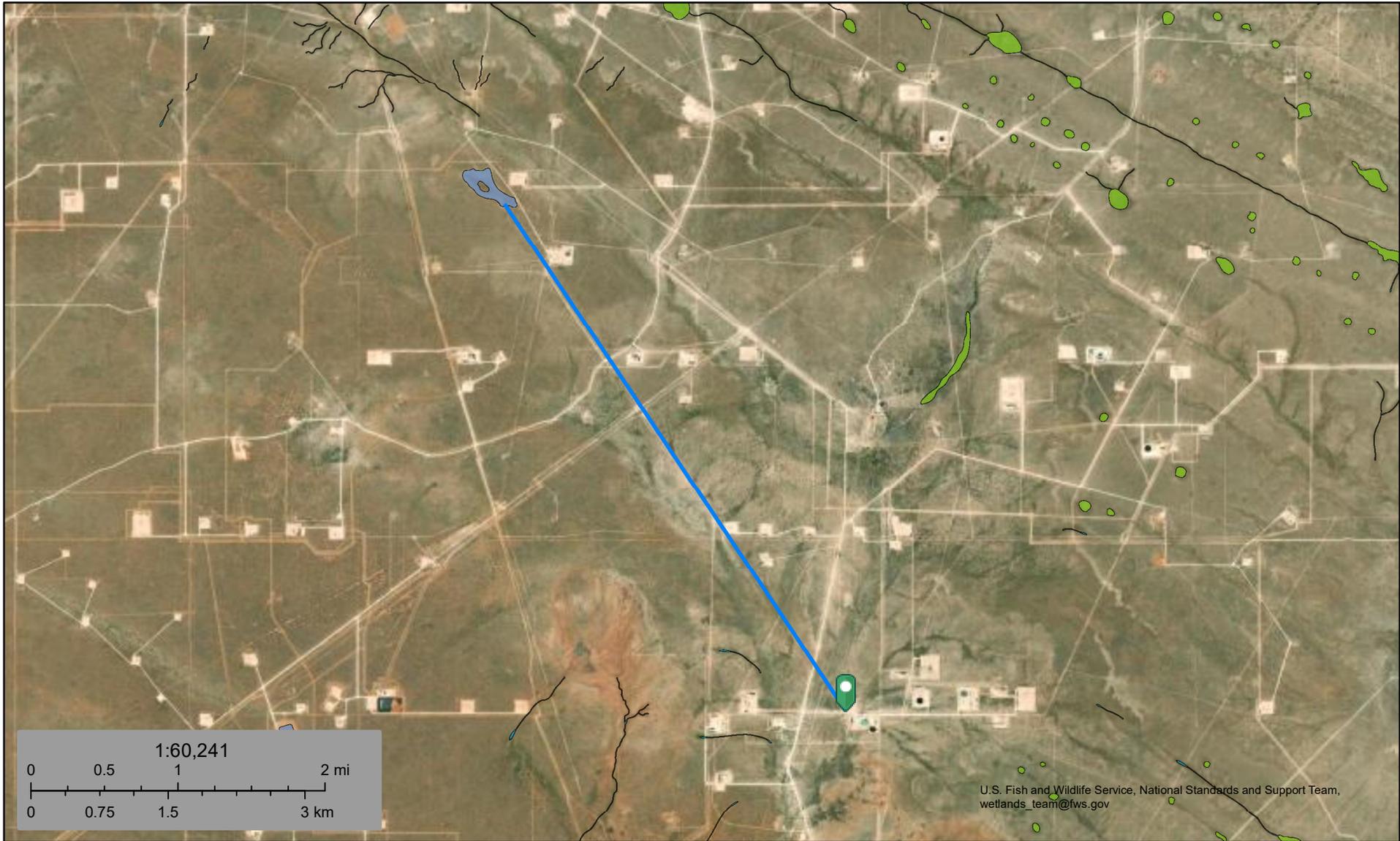
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- 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.

U.S. Fish and Wildlife Service  
**National Wetlands Inventory**

03- Lakebed- Chiso State 14 Battery- 19,0



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

December 1, 2023

**Wetlands**

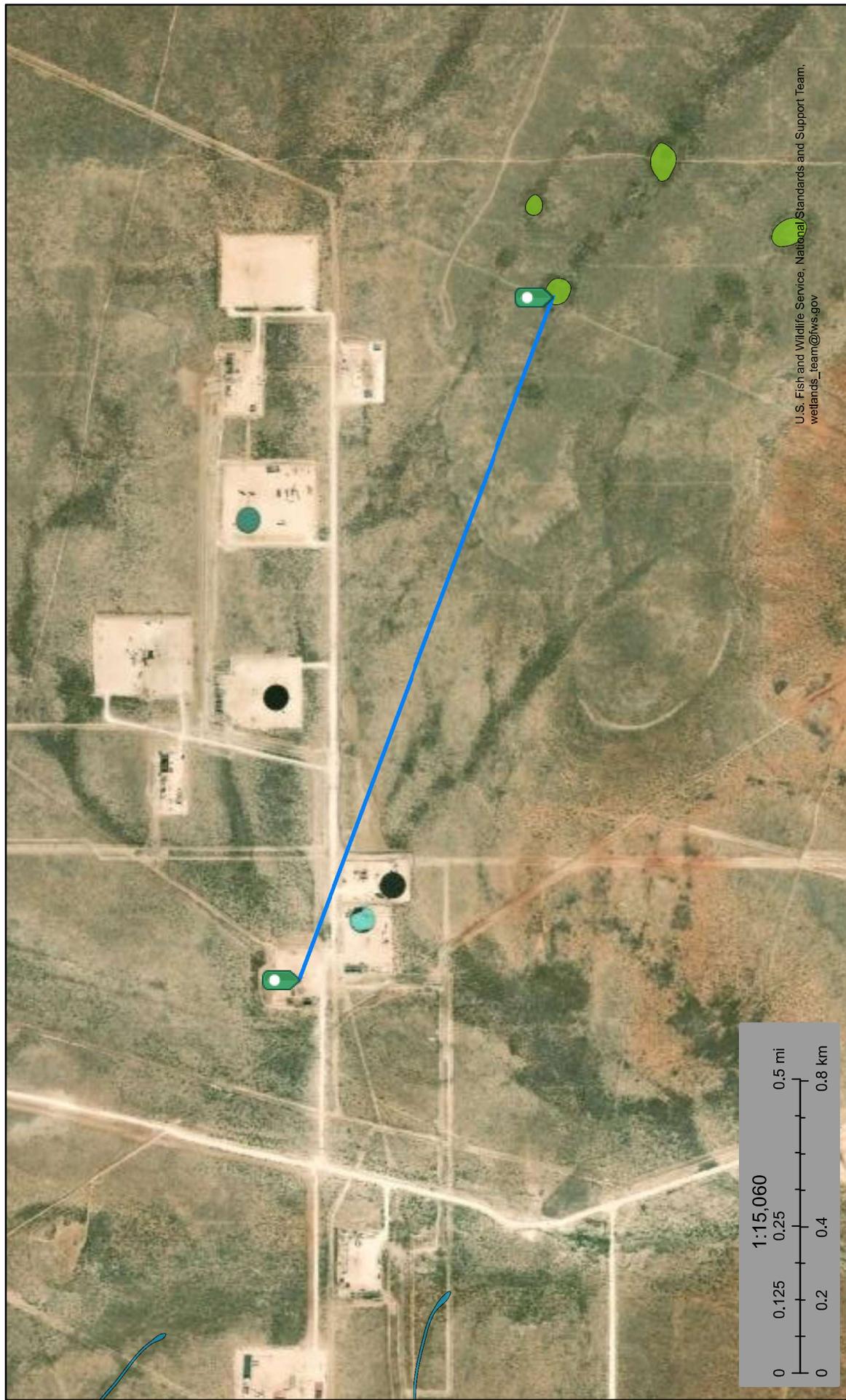
-  Estuarine and Marine Deepwater
-  Freshwater Emergent Wetland
-  Lake
-  Estuarine and Marine Wetland
-  Freshwater Forested/Shrub Wetland
-  Other
-  Freshwater Pond
-  Riverine

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07-Wetlands- Chiso State 14 Battery- 5,52'



**U.S. Fish and Wildlife Service**  
**National Wetlands Inventory**



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December 1, 2023

**Wetlands**

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine



# Daily Site Visit Report

Client:	<u>BTA Oil Producers LLC</u>	Inspection Date:	<u>11/22/2023</u>
Site Location Name:	<u>Chiso State 14 Battery</u>	Report Run Date:	<u>11/27/2023 10:19 AM</u>
Client Contact Name:	<u>Kelton Baird</u>	API #:	<u></u>
Client Contact Phone #:	<u>432-312-2203</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>11/22/2023 9:51 AM</u>
Departed Site	<u>11/22/2023 12:19 PM</u>

# Daily Site Visit Report



Site Sketch

Site Sketch

# Daily Site Visit Report



## Field Notes

**12:19** Arrived on site to complete liner inspection for tank battery area. Completed safety paperwork upon arrival.

**12:18** Outside of containment looks to be clean and there is no sign of a breach.

**12:18** There does not appear to be anything significant damage inside or outside the containment wall.

**12:20** The floor of the liner does not appear to have any significant damage. There is only a oil standing inside of the south corner, close to the release point. No damage on the wall for any side.

## Next Steps & Recommendations

1



# Daily Site Visit Report

## Site Photos

### Viewing Direction: Southwest



NE corner of inspected tank battery

### Viewing Direction: Southeast



NW corner of inspected tank battery

### Viewing Direction: Northeast



SE corner of inspected tank battery

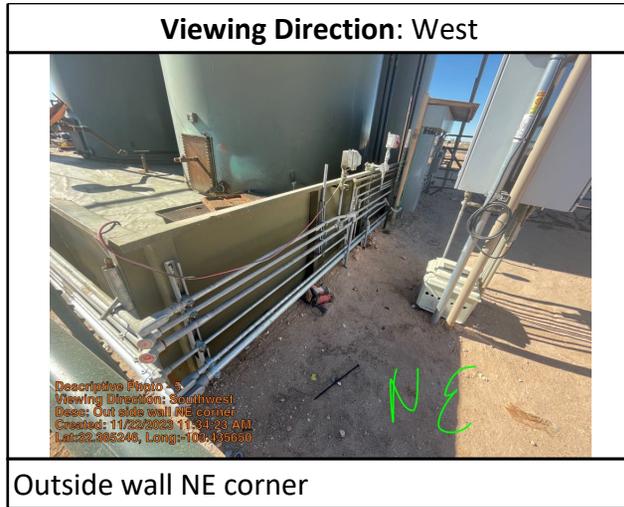
### Viewing Direction: Northwest



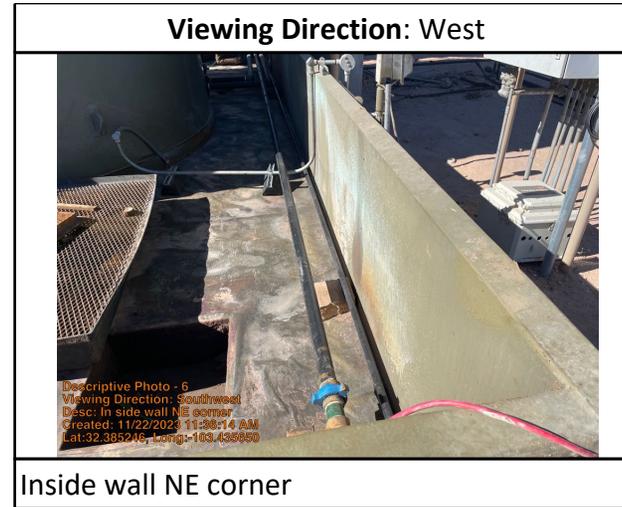
SE corner of inspected tank battery



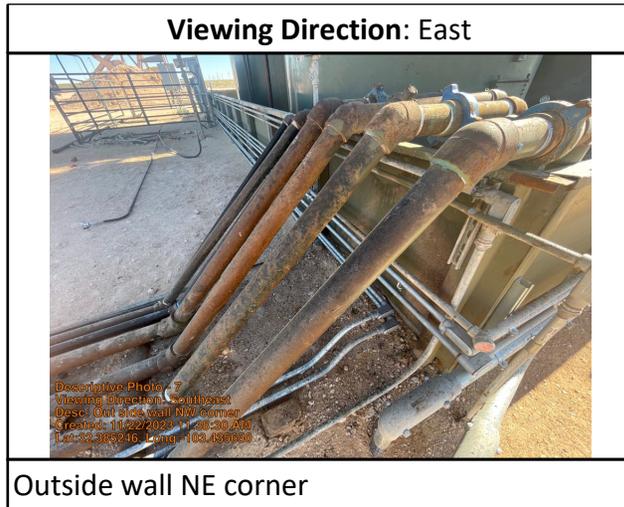
# Daily Site Visit Report



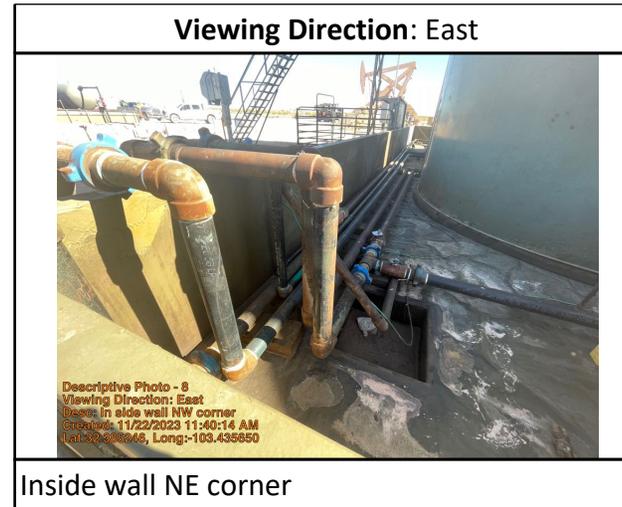
Outside wall NE corner



Inside wall NE corner



Outside wall NE corner



Inside wall NE corner



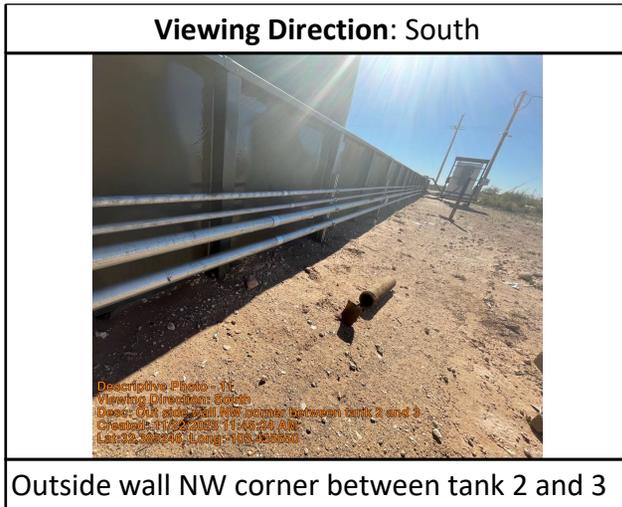
# Daily Site Visit Report



Outside wall NW corner



Inside wall NW corner



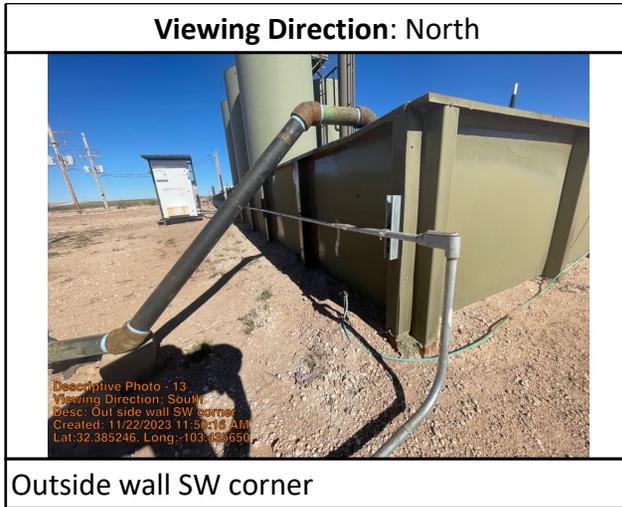
Outside wall NW corner between tank 2 and 3



Inside wall NW corner between tank 2 and 3



# Daily Site Visit Report





# Daily Site Visit Report

Viewing Direction: North



Descriptive Photo - 17  
Viewing Direction: North  
Desc: Outside side wall SW corner. Next to release point.  
Created: 11/22/2023 11:55:31 AM  
Lat:32.385246, Long:-103.433650

Outside side wall SW corner. Next to release point.

Viewing Direction: North



Descriptive Photo - 18  
Viewing Direction: North  
Desc: Inside side wall SW corner. Next to release point.  
Created: 11/22/2023 11:56:10 AM  
Lat:32.385246, Long:-103.433650

Inside side wall SW corner. Next to release point.

Viewing Direction: North



Descriptive Photo - 19  
Viewing Direction: North  
Desc: Outside side wall SW corner. Between battery 2 and 3.  
Created: 11/22/2023 11:57:57 AM  
Lat:32.385246, Long:-103.433650

Outside side wall SW corner. Between battery 2 and 3

Viewing Direction: North

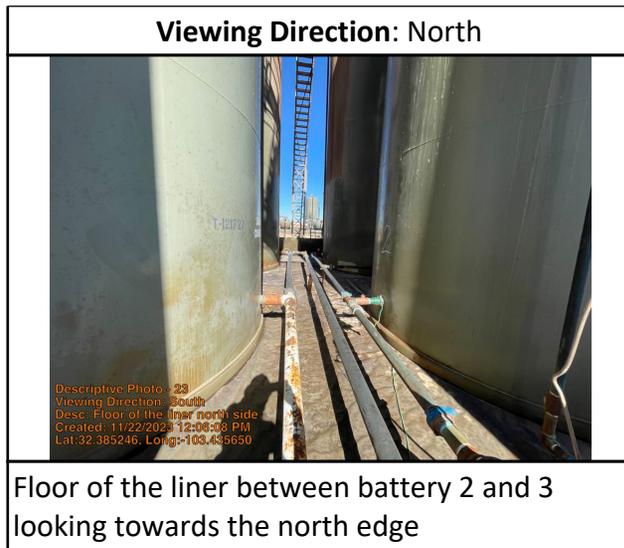
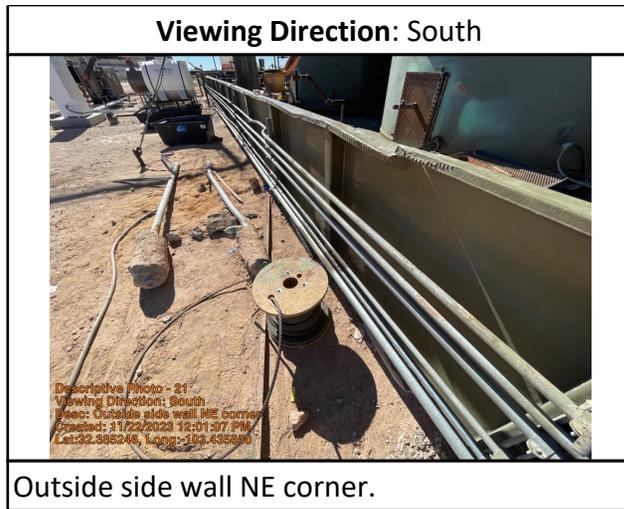


Descriptive Photo - 20  
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Created: 11/22/2023 11:59:01 AM  
Lat:32.385246, Long:-103.433650

Inside side wall SW corner. Next to release point. Between battery 2 and 3



# Daily Site Visit Report





# Daily Site Visit Report

**Viewing Direction: South**



Descriptive Photo - 25  
Viewing Direction: South  
Desc: Floor of the liner south side I, release point. looking towards the north  
Created: 11/22/2023 12:00:30 PM  
Lat:32.505306, Long:-103.436650

Floor of the liner south side I, release point.  
looking towards the north edge

**Viewing Direction: South**



Descriptive Photo - 26  
Viewing Direction: South  
Desc: Floor of the liner south side I, release point. looking towards the north  
Created: 11/22/2023 12:10:31 PM  
Lat:32.505206, Long:-103.436650

Floor of the liner south side I, release point.  
looking towards the north edge #2

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Deusavan Costa Filho

**Signature:**

  
Signature



# Daily Site Visit Report

Client:	<u>BTA Oil Producers LLC</u>	Inspection Date:	<u>11/22/2023</u>
Site Location Name:	<u>Chiso State 14 Battery</u>	Report Run Date:	<u>11/27/2023 10:19 AM</u>
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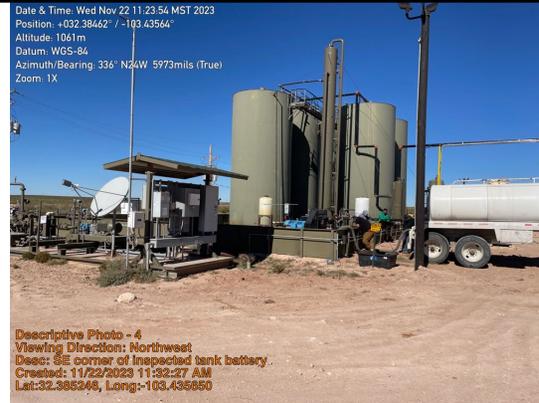
NW corner of inspected tank battery

### Viewing Direction: Northeast



SE corner of inspected tank battery

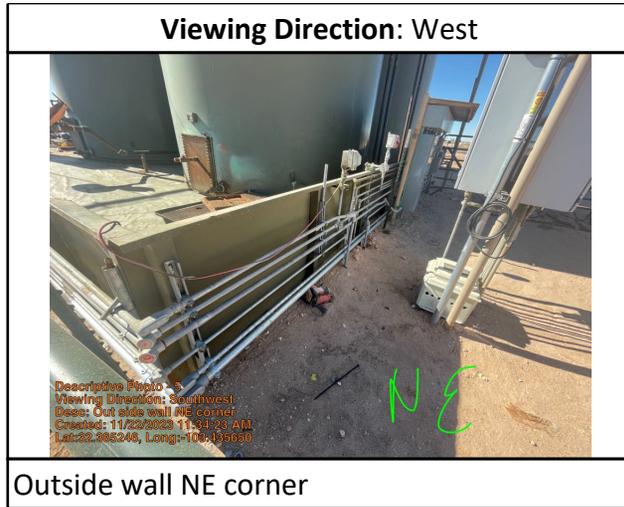
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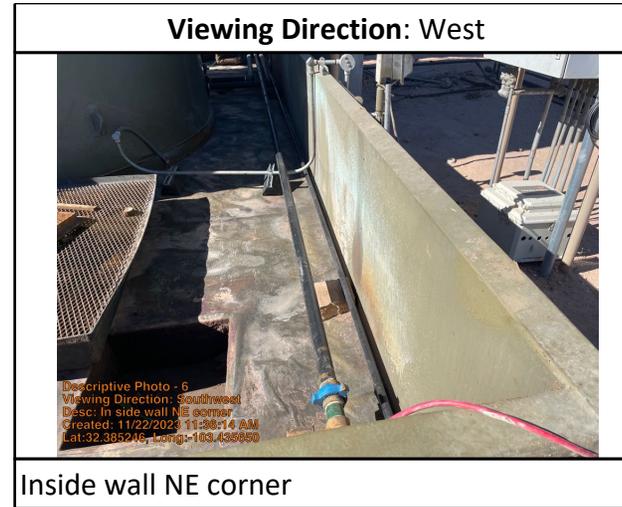
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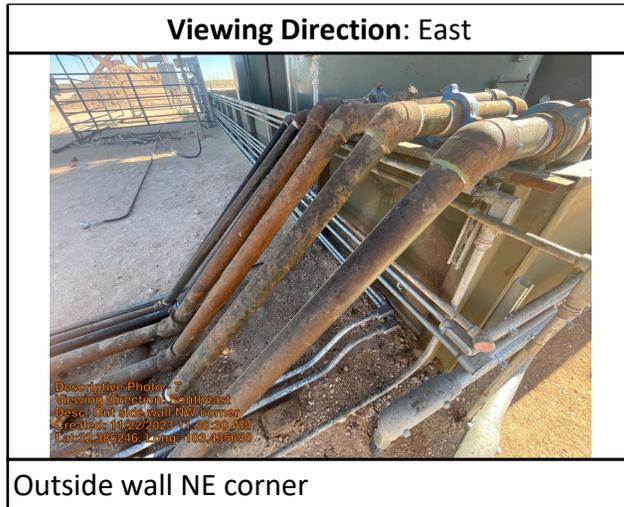
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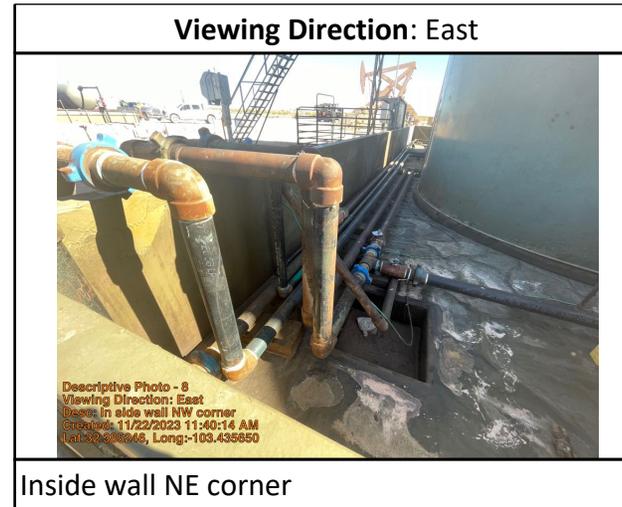
Outside wall NE corner



Inside wall NE corner



Outside wall NE corner



Inside wall NE corner



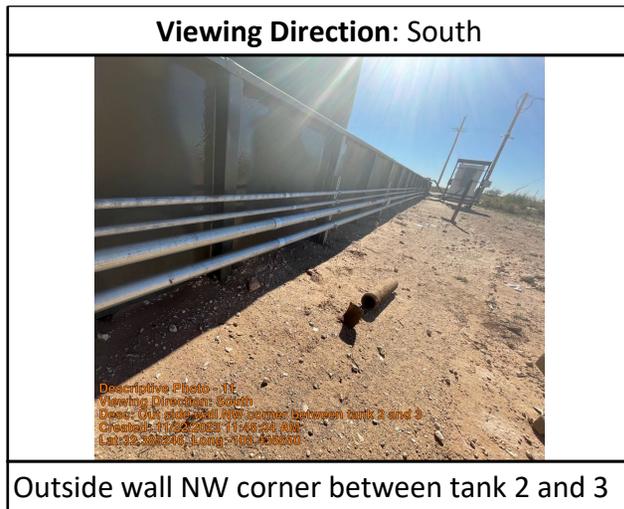
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Outside wall NW corner



Inside wall NW corner



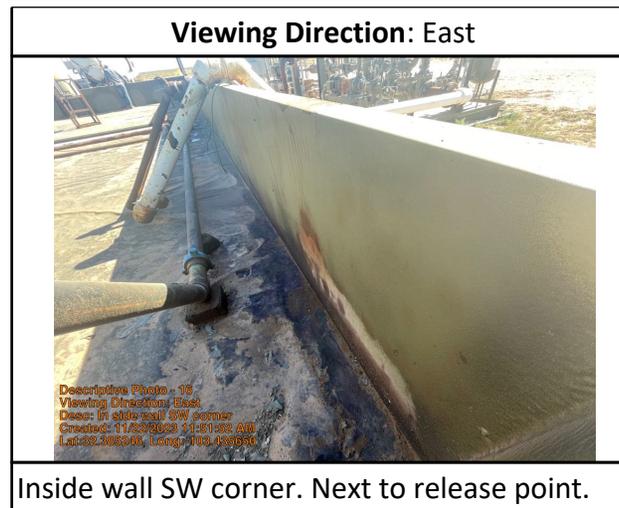
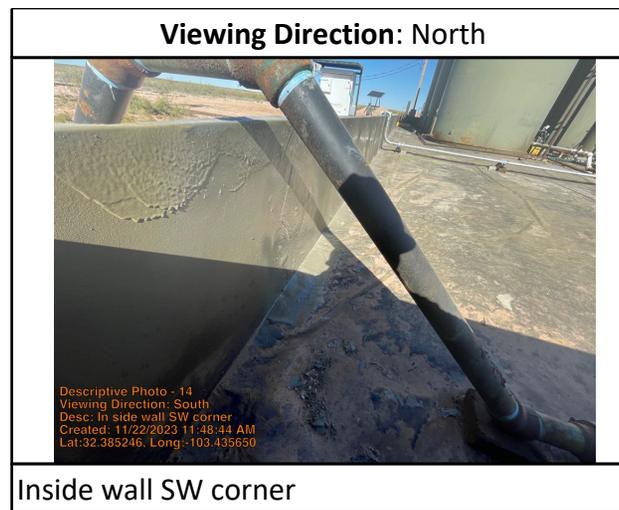
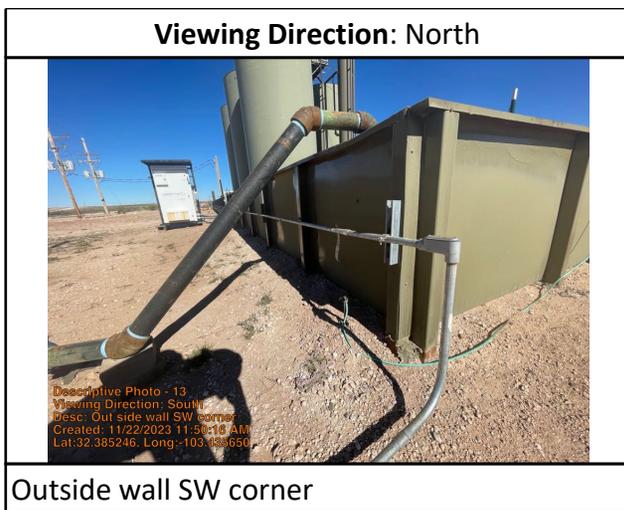
Outside wall NW corner between tank 2 and 3



Inside wall NW corner between tank 2 and 3



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# Daily Site Visit Report

Viewing Direction: North



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Desc: Outside side wall SW corner. Next to release point.  
Created: 11/22/2023 11:55:31 AM  
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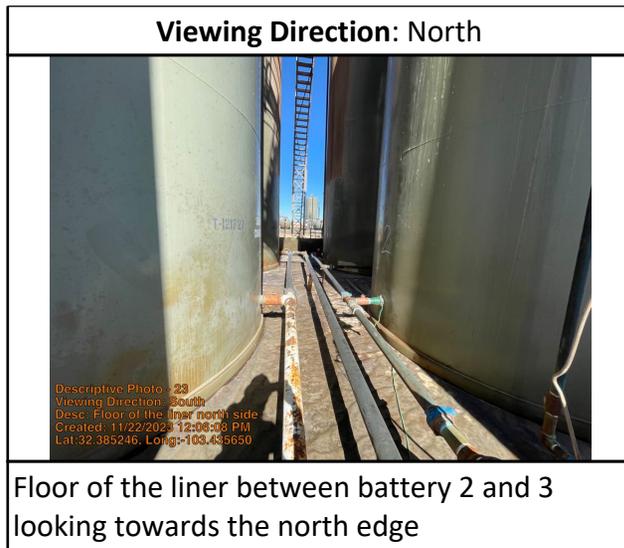
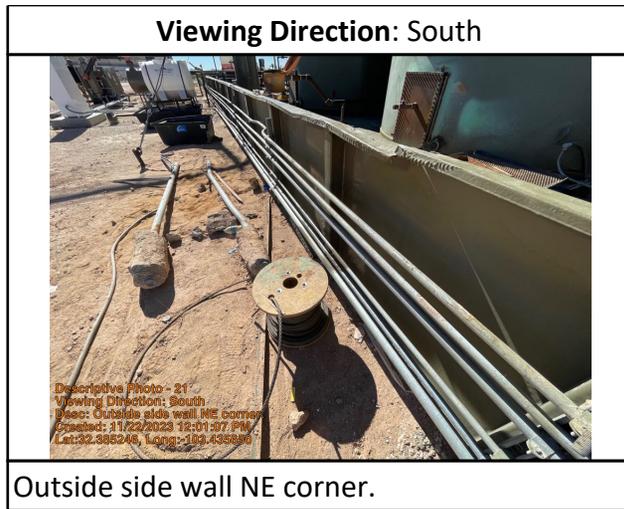


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Viewing Direction: South  
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Created: 11/22/2023 12:00:30 PM  
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Floor of the liner south side I, release point.  
looking towards the north edge

**Viewing Direction: South**



Descriptive Photo - 26  
Viewing Direction: South  
Desc: Floor of the liner south side I, release point. looking towards the north  
Created: 11/22/2023 12:10:31 PM  
Lat:32.505246, Long:-103.436650

Floor of the liner south side I, release point.  
looking towards the north edge #2

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Deusavan Costa Filho

**Signature:**

  
Signature

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	NAPP2331047481
District RP	
Facility ID	FAPP2129434580
Application ID	

## Release Notification

### Responsible Party

Responsible Party: BTA Oil Producers	OGRID: 260297
Contact Name: Kelton Beard	Contact Telephone: 432-312-2203
Contact email: kbeaird@btaoil.com	Incident # (assigned by OCD) napp2331047481
Contact mailing address: 104 S. Pecos, Midland, TX 79706	

### Location of Release Source

Latitude 32.38474 \_\_\_\_\_ Longitude -103.43564 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Chiso State 14 Battery	Site Type: Tank Battery
Date Release Discovered: 11-3-23	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	14	22S	34E	Lea

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

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 15
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A third party company was in the process of pumping out of the jet nozzle of the jet pump, when the vibration caused the PRV to fail and relieve. All fluid released stayed in the lined secondary containment. A vac truck recovered all released fluids

Method for determining volume: All recovered fluid was placed into an isolated tank and gauged to determine the amount.

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2331047481
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Kelton Beard</u> Title: <u>Environmental Manager</u> Signature:  Date: <u>11-6-23</u> email: <u>kbeaird@btaoil.com</u> Telephone: <u>432-312-2203</u>
<b><u>OCD Only</u></b> Received by: <u>Shelly Wells</u> Date: <u>11/6/2023</u>

**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 283090

**CONDITIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 283090
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	11/6/2023



# 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>
2062A	CP 01682 POD1	1	2	2	23	22S	34E	647164	3583992

<b>Driller License:</b> 421	<b>Driller Company:</b> GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b> CORKY GLENN		
<b>Drill Start Date:</b> 09/10/2019	<b>Drill Finish Date:</b> 09/13/2019	<b>Plug Date:</b>
<b>Log File Date:</b> 09/19/2019	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 15 GPM
<b>Casing Size:</b> 8.13	<b>Depth Well:</b> 294 feet	<b>Depth Water:</b> 42 feet

Water Bearing Stratifications:	Top	Bottom	Description
	42	56	Sandstone/Gravel/Conglomerate
	68	92	Sandstone/Gravel/Conglomerate
	242	274	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	0	294

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

11/30/23 4:04 PM

POINT OF DIVERSION SUMMARY



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

2019 SEP 10 10:51 AM  
 STATE ENGINEER  
 RECORDS

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) CP-1682-POD1 South 2		WELL TAG ID NO. 2062A		OSE FILE NO(S). CP-1682	
	WELL OWNER NAME(S) Merchant Livestock Company/Glenn's Water Well Service, Inc.				PHONE (OPTIONAL) 575-398-2424	
	WELL OWNER MAILING ADDRESS PO Box 692				CITY Tatum	STATE NM
					ZIP 88267	
WELL LOCATION (FROM GPS)		DEGREES 32	MINUTES 22	SECONDS 59.66	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE -103		7.87	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW1/4 NE1/4 NE1/4 Section 23, Township 22 South, Range 34 East on Merchant Livestock Company Land						

<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. WD 421		NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.		
	DRILLING STARTED 09/10/19	DRILLING ENDED 09/13/19	DEPTH OF COMPLETED WELL (FT) 294	BORE HOLE DEPTH (FT) 294	DEPTH WATER FIRST ENCOUNTERED (FT) 42			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 31		
	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	22.5'	20"	Steel 12 3/4" OD	Plain End	12.25	.25	--
	0	294'	20"	Steel Casing 8 5/8" / 8.625" OD	Plain End	8.125	.25	1/8"
				Bottom 252 Perforated				

<b>3. ANNULAR MATERIAL</b>	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				
	0	22.5'	20"	Cemented Redi Mix	Fill to Top	Top Pour
	0	294'	20"	3/8" Veilmore Gravel	18.52 CY	Top Pour

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

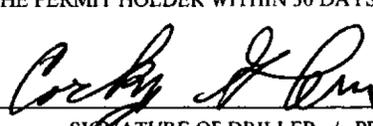
FILE NO. CP-1682	POD NO. 1	TRN NO. 632044
LOCATION 212 Sec 23 T22S R 34E	WELL TAG ID NO. 2062A	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	6	6	Soil	Y <input checked="" type="checkbox"/> N	
	6	9	3	Soil & Sand	Y <input checked="" type="checkbox"/> N	
	9	16	7	Caliche	Y <input checked="" type="checkbox"/> N	
	16	20	4	Clay & Sand	Y <input checked="" type="checkbox"/> N	
	20	42	22	Red Clay	Y <input checked="" type="checkbox"/> N	
	42	56	14	Brown Sandrock	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	5.00
	56	63	7	Red Clay	Y <input checked="" type="checkbox"/> N	
	63	68	5	White & Green Clay	Y <input checked="" type="checkbox"/> N	
	68	92	24	Brown Sandrock	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	9.00
	92	122	30	Red Clay	Y <input checked="" type="checkbox"/> N	
	122	128	6	Brown Shale	Y <input checked="" type="checkbox"/> N	
	128	165	37	Red Clay with Stringers of Brown Sandrock	Y <input checked="" type="checkbox"/> N	
	165	187	22	Brown Shale	Y <input checked="" type="checkbox"/> N	
	187	225	38	Red Clay & Red Shale	Y <input checked="" type="checkbox"/> N	
	225	242	17	Brown Shale	Y <input checked="" type="checkbox"/> N	
	242	274	32	Blue Sandrock & Shale	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1.00
	274	294	20	Red Shale	Y <input checked="" type="checkbox"/> N	
					Y <input type="checkbox"/> N	
					Y <input type="checkbox"/> N	
					Y <input type="checkbox"/> N	
					Y <input type="checkbox"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 15.00	

5. TEST, RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Travis Glenn License # 1719 (Glenn's Water Well Service, Inc.)		

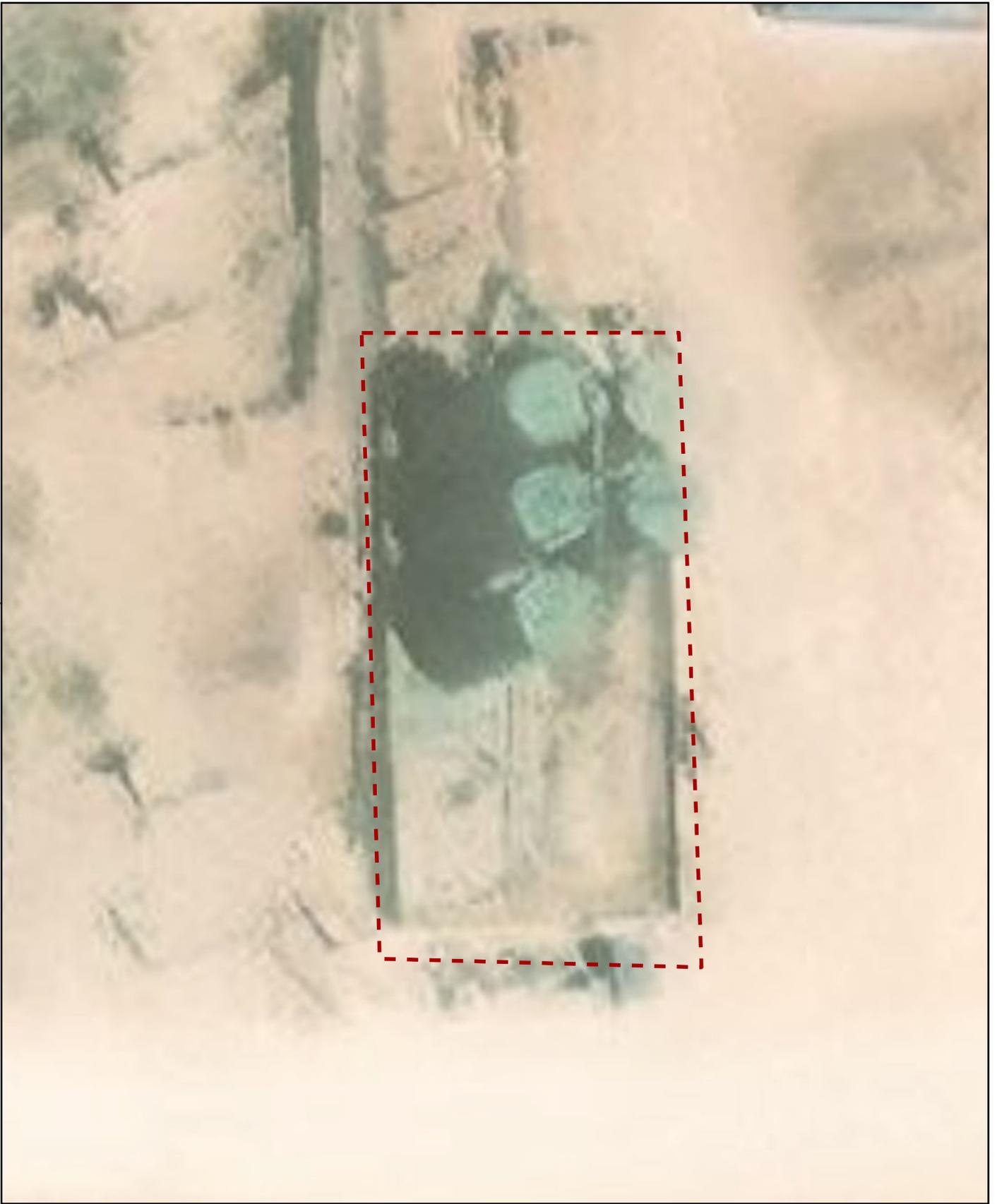
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Corky Glenn

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1682	POD NO. 1	TRN NO. 632044	PAGE 2 OF 2
LOCATION 212 Sec 23 T22S R34E	WELL TAG ID NO. 2062A		

Document Path: C:\Users\scantari\Vertex Resource Group Ltd\Vertex US Operations - General\Environmental Services\10 - Geomatics\SPC\BTA 23E-05785 Chiso State\Fig 1 Characterization Site Schematic 23E-05785 Req 17495.mxd



 Lined Containment



0 5 10 20 ft. Map Center:  
NAD 1983 UTM Zone 13N Lat: 32.384839,  
Date: Dec 07/23 Long:-103.435767



### Characterization Site Schematic Chiso State 14 Battery

FIGURE:  
**1**

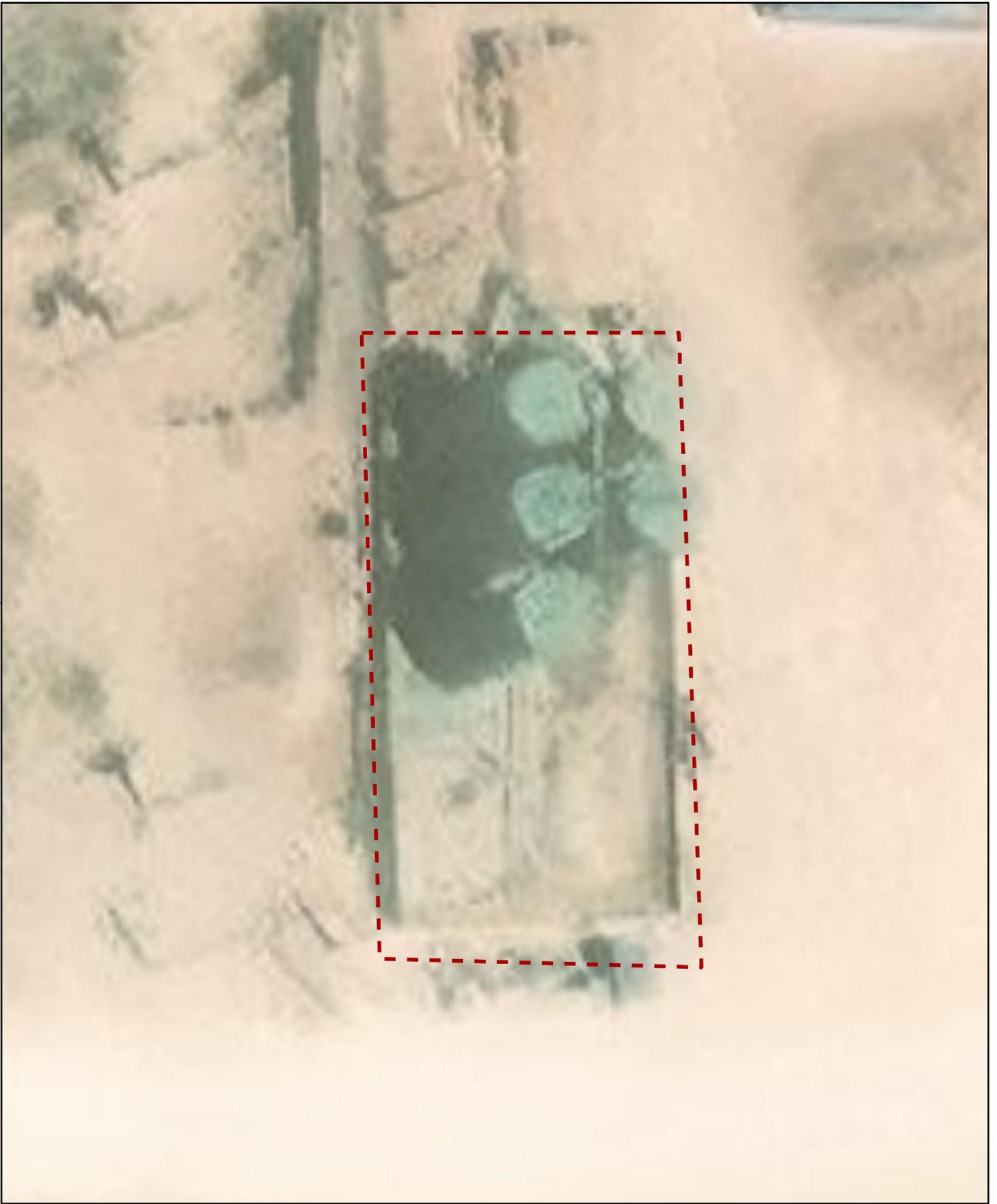


Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2022. Features from GPS. Vertex Professional Services Ltd., 2023.

VERSATILITY. EXPERTISE.

Document Path: C:\Users\scantari\Vertex Resource Group Ltd\Vertex US Operations - General\Environmental Services\10 - Geomatics\SPC\BTA 23E-05785 Chiso State\Fig 1 Characterization Site Schematic 23E-05785 Req 17495.mxd



 Lined Containment



0 5 10 20 ft. Map Center:  
 NAD 1983 UTM Zone 13N Lat: 32.384839,  
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**Characterization Site Schematic**  
**Chiso State 14 Battery**

FIGURE:  
**1**



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**VERSATILITY. EXPERTISE.**

Incident Details

Liberty Lift was in the process of pumping out of the jet nozzle when the jet pump pressured up causing the PRV to relieve. The operation was shut down and fluid was immediately removed. 15 bbls. of fluid was released to the lined secondary containment.

Volume of the release was confirmed with the vac truck. Fluid was transported back to the tank and gauged.

Released to Hingham 9/27/2024 1:08:28 PM



Incident Number: nAPP2331047481

## Release Assessment and Closure

Chiso State 14 Battery

Section 14, Township 22 South, Range 34 East

County: Lea

Vertex File Number: 23E-05785

**Prepared for:**

BTA Oil Producers, LLC

**Prepared by:**

Vertex Resource Services Inc.

**Date:**

December 2023

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

**Release Assessment and Closure**  
**Chiso State 14 Battery**  
**Section 14, Township 22 South, Range 34 East**  
**County: Lea**

Prepared for:  
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Deusavan Costa Filho, M.Sc.  
ENVIRONMENTAL TECHNICIAN, REPORTING

\_\_\_\_\_  
Date

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Chance Dixon, B.Sc.  
PROJECT MANAGER, REPORT REVIEW

\_\_\_\_\_  
Date

BTA Oil Producers, LLC  
Chiso State 14 Battery

Release Assessment and Closure  
December 2023

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- Table 1. Closure Criteria Determination
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- Figure 1. Characterization Site Schematic

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- Appendix A. NMOCD C-141 Report
- Appendix B. Closure Criteria Research Documentation
- Appendix C. Daily Field Report
- Appendix D. Notification

## 1.0 Introduction

BTA Oil Producers (BTA) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a crude oil release that occurred on November 6, 2023, at Chiso State 14 Battery (hereafter referred to as the “site”) facility ID: fAPP2129434580. BTA submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on November 6, 2023. Incident ID number nAPP2331047481 was assigned to this incident.

This report provides a description of the release assessment and liner inspection activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for the closure of this release as per NMAC 19.15.29.12.

## 2.0 Incident Description

The release occurred on November 3, 2023, due to a third-party company pumping out of the jet nozzle of the jet pump when the vibration caused the PRV to fail and relieve. All fluid released stayed in the lined secondary containment. The incident was reported on November 6, 2023, and involved the release of 15 barrels of produced water into lined containment. Approximately 15 barrels of produced water were recovered during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report (Appendix A).

## 3.0 Site Characteristics

The site is located approximately 3.3 miles west of Eunice, New Mexico (Google Inc., 2023). The legal location for the site is Section 14, Township 22 South and Range 34 East in Lea County, New Mexico. An aerial photograph and site schematic are presented on Figure 1.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2023) indicates the site’s surface geology primarily comprises Qep – eolian and piedmont alluvial deposits. The predominant soil texture on the site is Ratliff-Wink fine sandy loams, 0 to 5% slopes. This site occurs on uplands landforms, mainly on hill slopes, ridges, plains, terraces, and some fan remnants. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area of the site (Figure 1).

This site is on uplands, plains, dunes, fan piedmonts, terraces, and in interdunal areas. The parent material consists of mixed alluvium and or eolian sands or calcareous alluvium derived from sedimentary rock. The climate is semiarid with average annual precipitation ranging between 8 and 14 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses with shrubs and half-shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

#### **4.0 Closure Criteria Determination**

The nearest active well to the site is a New Mexico Office of the State Engineer (NMOSE) monitoring well (CP-01682) located approximately 0.1 miles south of the site (United States Geological Survey, 2023). Data from 2013 shows the NMOSE borehole recorded a depth to groundwater of 42 feet below the ground surface. Information pertaining to the depth to groundwater determination is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is a lakebed located approximately 3.5 miles northwest of the site (United States Fish and Wildlife Service, 2023).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

<b>Table 1. Closure Criteria Worksheet</b>			
<b>Site Name: Chiso State 14 Battery</b>			
<b>Spill Coordinates:</b>		<b>X: 32.38474</b>	<b>Y: -103.43564</b>
<b>Site Specific Conditions</b>		<b>Value</b>	<b>Unit</b>
1	Depth to Groundwater	42	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	2,896	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	19,016	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	67,406	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	10,889	feet
	ii) Within 1000 feet of any fresh water well or spring		feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	5,527	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	>100	year
11	Soil Type		MN
12	Ecological Classification		Uplands Landforms
13	Geology		Qep
	<b>NMAC 19.15.29.12 E (Table 1) Closure Criteria</b>	<50'	<50' 51-100' >100'

BTA Oil Producers, LLC  
Chiso State 14 Battery

Release Assessment and Closure  
December 2023

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

## 5.0 Remedial Actions Taken

Notification that a liner inspection was scheduled to be completed was provided to the NMOCD on November 17, 2023. Visual observation of the liner was completed on all sides and the base of the containment, around equipment, and of all seams in the liner. As evidenced in the Daily Field Report (Appendix C), it was verified that the liner was intact and had the ability to contain the release. The Daily Field Report with photographs of the liner inspection is included in Appendix C. The Liner Inspection Notification emails are included in Appendix D.

## 6.0 Closure Request

Vertex recommends no remediation action to address the release at the site. The secondary containment was intact and contained the release. The release took place inside of a walled containment that sit on a pad where oil and gas operations are still taking place. Reclamation for the pad will take place as soon as all oil and gas activities are terminated per 19.15.29.13 NMAC. There are no anticipated risks to human, ecological, or hydrological receptors associated with the release site.

Vertex requests that this incident (nAPP2331047481) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. BTA certifies that all information in this report and the appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the release at the site.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or [cdixon@vertex.ca](mailto:cdixon@vertex.ca).

## 7.0 References

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**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

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## **8.0 Limitations**

This report has been prepared for the sole benefit of BTA Oil Producers, LLC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division without the express written consent of Vertex Resource Services Inc. (Vertex) and BTA Oil Producers, LLC. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

## **FIGURES**

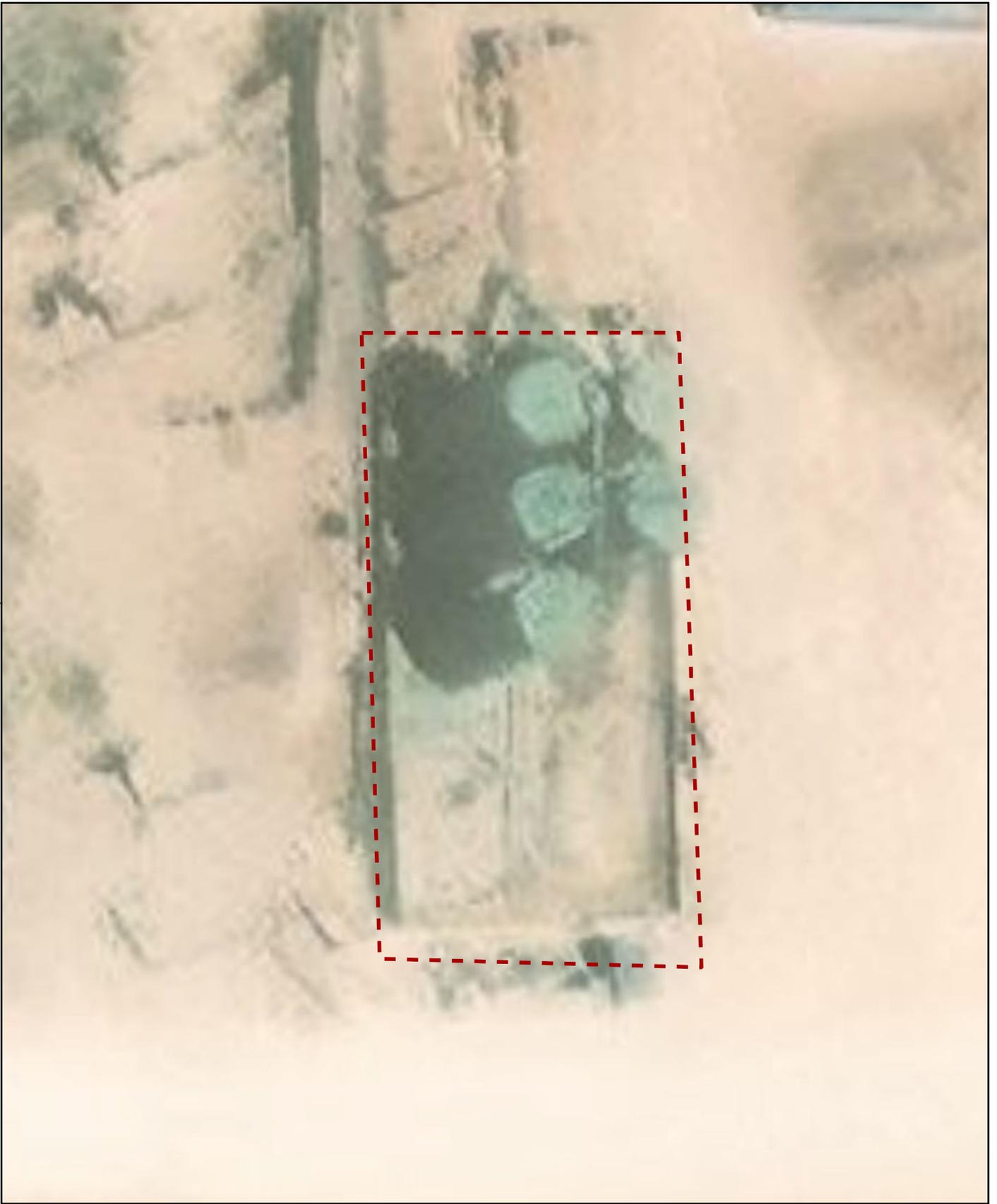
## **APPENDIX A - NMOCD C-141 Report(s)**

## **APPENDIX B – Closure Criteria Research Documentation**

## APPENDIX C – Daily Field and Sampling Report(s)

## **APPENDIX D – Notification**

Document Path: C:\Users\scantari\Vertex Resource Group Ltd\Vertex US Operations - General\Environmental Services\10 - Geomatics\SPC\BTA 23E-05785 Chiso State\Fig 1 Characterization Site Schematic 23E-05785 Req 17495.mxd



 Lined Containment



0 5 10 20 ft. Map Center:  
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Date: Dec 07/23 Long: -103.435767



### Characterization Site Schematic Chiso State 14 Battery

FIGURE:  
**1**



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Note: Georeferenced image from Esri, 2022. Features from GPS. Vertex Professional Services Ltd., 2023.

VERSATILITY. EXPERTISE.

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Volume of the release was confirmed with the vac truck. Fluid was transported back to the tank and gauged.

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Incident Number: nAPP2331047481

## Release Assessment and Closure

Chiso State 14 Battery

Section 14, Township 22 South, Range 34 East

County: Lea

Vertex File Number: 23E-05785

**Prepared for:**

BTA Oil Producers, LLC

**Prepared by:**

Vertex Resource Services Inc.

**Date:**

December 2023

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

**Release Assessment and Closure**  
**Chiso State 14 Battery**  
**Section 14, Township 22 South, Range 34 East**  
**County: Lea**

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ENVIRONMENTAL TECHNICIAN, REPORTING

\_\_\_\_\_  
Date

\_\_\_\_\_  
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PROJECT MANAGER, REPORT REVIEW

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BTA Oil Producers, LLC  
Chiso State 14 Battery

Release Assessment and Closure  
December 2023

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- Table 1. Closure Criteria Determination
- Table 2. Closure Criteria for Soils Impacted by a Release

### **Figure**

- Figure 1. Characterization Site Schematic

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- Appendix A. NMOCD C-141 Report
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## 1.0 Introduction

BTA Oil Producers (BTA) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a crude oil release that occurred on November 6, 2023, at Chiso State 14 Battery (hereafter referred to as the “site”) facility ID: fAPP2129434580. BTA submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on November 6, 2023. Incident ID number nAPP2331047481 was assigned to this incident.

This report provides a description of the release assessment and liner inspection activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for the closure of this release as per NMAC 19.15.29.12.

## 2.0 Incident Description

The release occurred on November 3, 2023, due to a third-party company pumping out of the jet nozzle of the jet pump when the vibration caused the PRV to fail and relieve. All fluid released stayed in the lined secondary containment. The incident was reported on November 6, 2023, and involved the release of 15 barrels of produced water into lined containment. Approximately 15 barrels of produced water were recovered during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report (Appendix A).

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The site is located approximately 3.3 miles west of Eunice, New Mexico (Google Inc., 2023). The legal location for the site is Section 14, Township 22 South and Range 34 East in Lea County, New Mexico. An aerial photograph and site schematic are presented on Figure 1.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2023) indicates the site’s surface geology primarily comprises Qep – eolian and piedmont alluvial deposits. The predominant soil texture on the site is Ratliff-Wink fine sandy loams, 0 to 5% slopes. This site occurs on uplands landforms, mainly on hill slopes, ridges, plains, terraces, and some fan remnants. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area of the site (Figure 1).

This site is on uplands, plains, dunes, fan piedmonts, terraces, and in interdunal areas. The parent material consists of mixed alluvium and or eolian sands or calcareous alluvium derived from sedimentary rock. The climate is semiarid with average annual precipitation ranging between 8 and 14 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses with shrubs and half-shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

#### **4.0 Closure Criteria Determination**

The nearest active well to the site is a New Mexico Office of the State Engineer (NMOSE) monitoring well (CP-01682) located approximately 0.1 miles south of the site (United States Geological Survey, 2023). Data from 2013 shows the NMOSE borehole recorded a depth to groundwater of 42 feet below the ground surface. Information pertaining to the depth to groundwater determination is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is a lakebed located approximately 3.5 miles northwest of the site (United States Fish and Wildlife Service, 2023).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

<b>Table 1. Closure Criteria Worksheet</b>			
<b>Site Name: Chiso State 14 Battery</b>			
<b>Spill Coordinates:</b>		<b>X: 32.38474</b>	<b>Y: -103.43564</b>
<b>Site Specific Conditions</b>		<b>Value</b>	<b>Unit</b>
1	Depth to Groundwater	42	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	2,896	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	19,016	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	67,406	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	10,889	feet
	ii) Within 1000 feet of any fresh water well or spring		feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	5,527	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	>100	year
11	Soil Type		MN
12	Ecological Classification		Uplands Landforms
13	Geology		Qep
	<b>NMAC 19.15.29.12 E (Table 1) Closure Criteria</b>	<50'	<50' 51-100' >100'

BTA Oil Producers, LLC  
Chiso State 14 Battery

Release Assessment and Closure  
December 2023

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

## 5.0 Remedial Actions Taken

Notification that a liner inspection was scheduled to be completed was provided to the NMOCD on November 17, 2023. Visual observation of the liner was completed on all sides and the base of the containment, around equipment, and of all seams in the liner. As evidenced in the Daily Field Report (Appendix C), it was verified that the liner was intact and had the ability to contain the release. The Daily Field Report with photographs of the liner inspection is included in Appendix C. The Liner Inspection Notification emails are included in Appendix D.

## 6.0 Closure Request

Vertex recommends no remediation action to address the release at the site. The secondary containment was intact and contained the release. The release took place inside of a walled containment that sit on a pad where oil and gas operations are still taking place. Reclamation for the pad will take place as soon as all oil and gas activities are terminated per 19.15.29.13 NMAC. There are no anticipated risks to human, ecological, or hydrological receptors associated with the release site.

Vertex requests that this incident (nAPP2331047481) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. BTA certifies that all information in this report and the appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the release at the site.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or [cdixon@vertex.ca](mailto:cdixon@vertex.ca).

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**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

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## **8.0 Limitations**

This report has been prepared for the sole benefit of BTA Oil Producers, LLC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division without the express written consent of Vertex Resource Services Inc. (Vertex) and BTA Oil Producers, LLC. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

## **FIGURES**

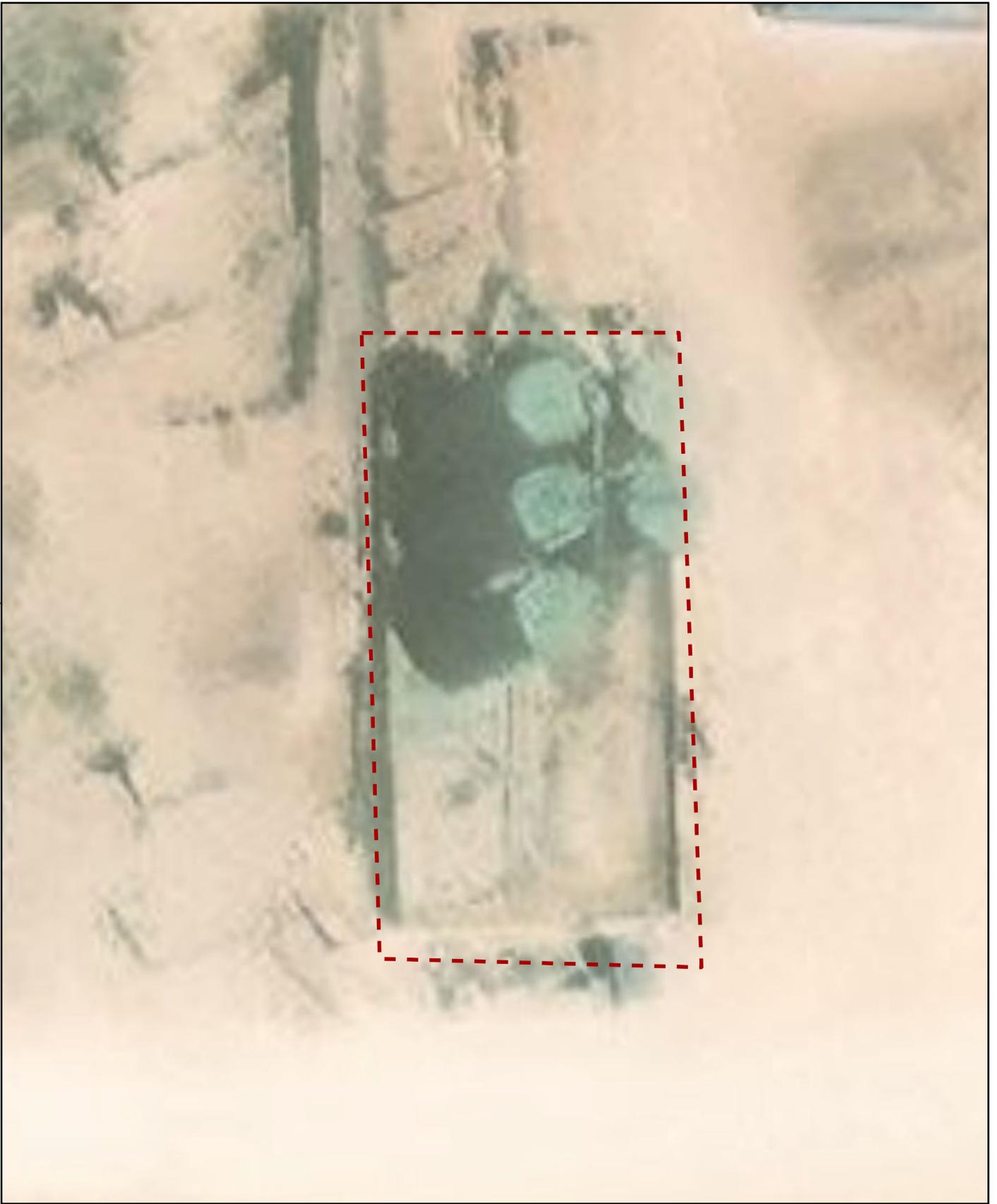
## **APPENDIX A - NMOCD C-141 Report(s)**

## **APPENDIX B – Closure Criteria Research Documentation**

## APPENDIX C – Daily Field and Sampling Report(s)

## **APPENDIX D – Notification**

Document Path: C:\Users\scantari\Vertex Resource Group Ltd\Vertex US Operations - General\Environmental Services\10 - Geomatics\SPC\BTA 23E-05785 Chiso State\Fig 1 Characterization Site Schematic 23E-05785 Req 17495.mxd



 Lined Containment



0 5 10 20 ft. Map Center:  
NAD 1983 UTM Zone 13N Lat: 32.384839,  
Date: Dec 07/23 Long:-103.435767



### Characterization Site Schematic Chiso State 14 Battery

FIGURE:  
**1**



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2022. Features from GPS. Vertex Professional Services Ltd., 2023.

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# Daily Site Visit Report

Client:	<u>BTA Oil Producers LLC</u>	Inspection Date:	<u>11/22/2023</u>
Site Location Name:	<u>Chiso State 14 Battery</u>	Report Run Date:	<u>11/27/2023 10:19 AM</u>
Client Contact Name:	<u>Kelton Baird</u>	API #:	<u></u>
Client Contact Phone #:	<u>432-312-2203</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>11/22/2023 9:51 AM</u>
Departed Site	<u>11/22/2023 12:19 PM</u>

# Daily Site Visit Report



Site Sketch

Site Sketch

# Daily Site Visit Report



## Field Notes

**12:19** Arrived on site to complete liner inspection for tank battery area. Completed safety paperwork upon arrival.

**12:18** Outside of containment looks to be clean and there is no sign of a breach.

**12:18** There does not appear to be anything significant damage inside or outside the containment wall.

**12:20** The floor of the liner does not appear to have any significant damage. There is only a oil standing inside of the south corner, close to the release point. No damage on the wall for any side.

## Next Steps & Recommendations

1



# Daily Site Visit Report

## Site Photos

### Viewing Direction: Southwest



NE corner of inspected tank battery

### Viewing Direction: Southeast



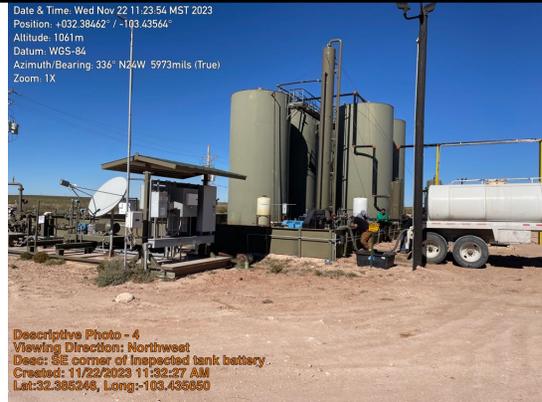
NW corner of inspected tank battery

### Viewing Direction: Northeast



SE corner of inspected tank battery

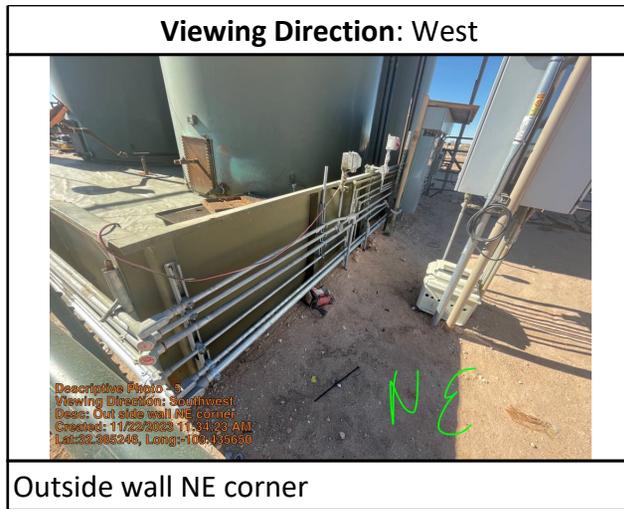
### Viewing Direction: Northwest



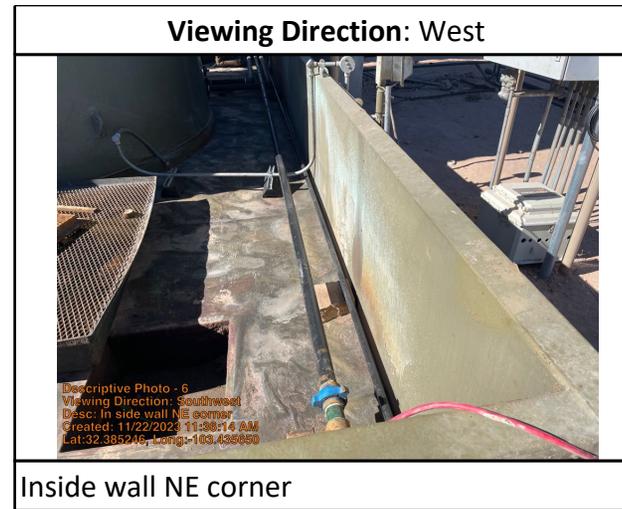
SE corner of inspected tank battery



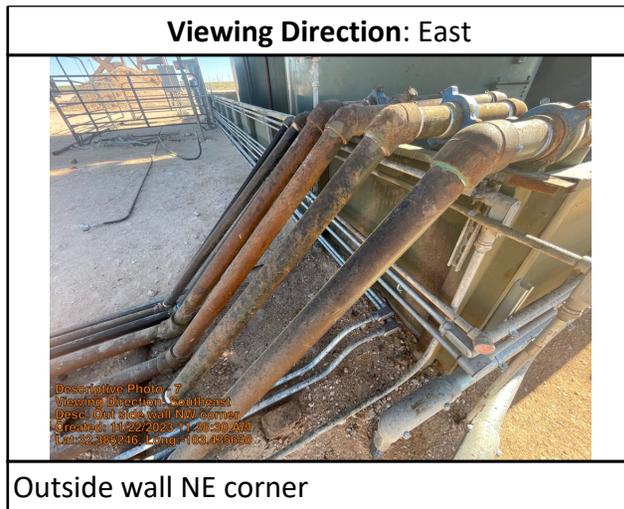
# Daily Site Visit Report



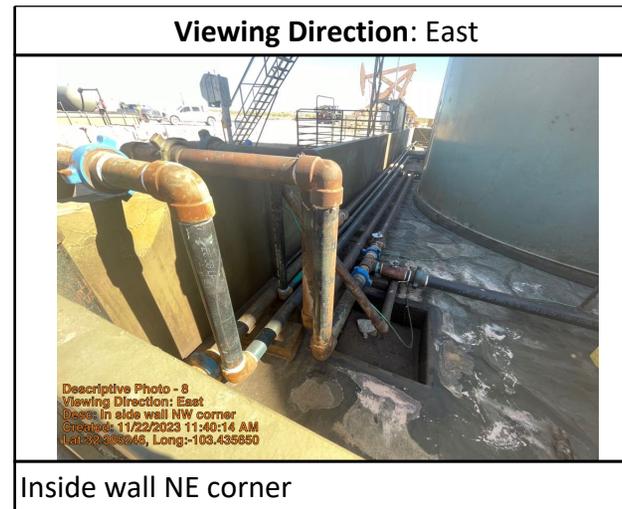
Outside wall NE corner



Inside wall NE corner



Outside wall NE corner



Inside wall NE corner



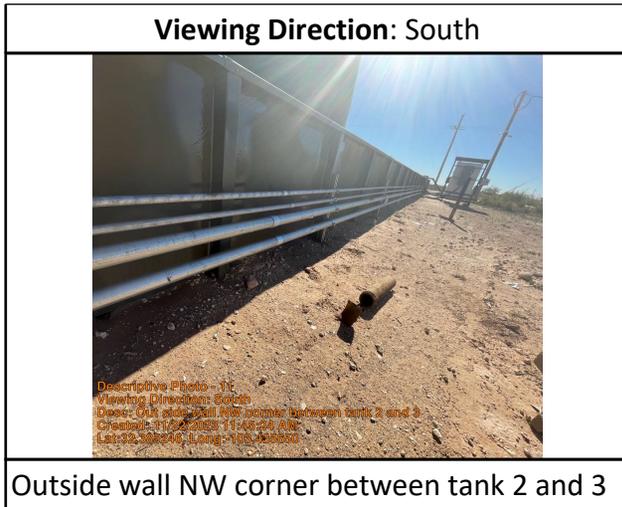
# Daily Site Visit Report



Outside wall NW corner



Inside wall NW corner



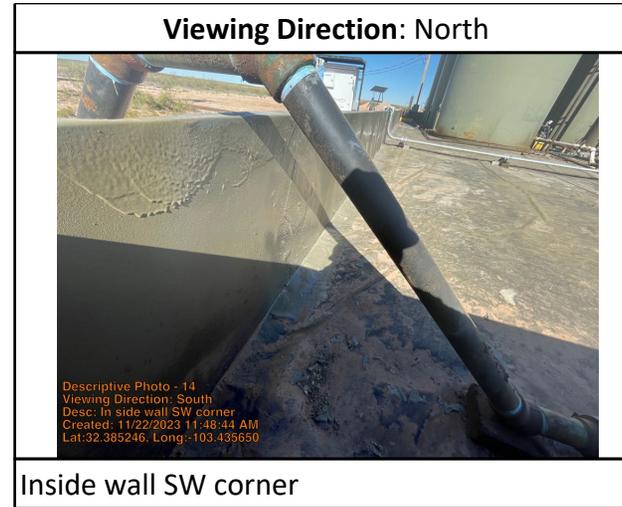
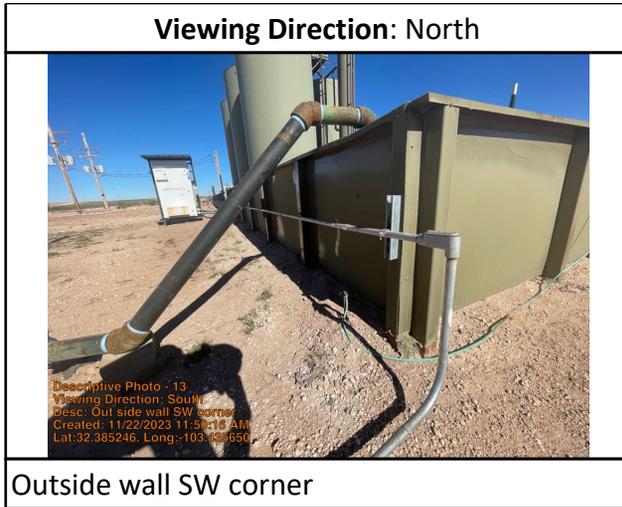
Outside wall NW corner between tank 2 and 3



Inside wall NW corner between tank 2 and 3



# Daily Site Visit Report





# Daily Site Visit Report

Viewing Direction: North



Descriptive Photo - 17  
Viewing Direction: North  
Desc: Outside side wall SW corner. Next to release point.  
Created: 11/22/2023 11:55:31 AM  
Lat:32.385246, Long:-103.433650

Outside side wall SW corner. Next to release point.

Viewing Direction: North



Descriptive Photo - 18  
Viewing Direction: North  
Desc: Inside side wall SW corner. Next to release point.  
Created: 11/22/2023 11:56:10 AM  
Lat:32.385246, Long:-103.433650

Inside side wall SW corner. Next to release point.

Viewing Direction: North



Descriptive Photo - 19  
Viewing Direction: North  
Desc: Outside side wall SW corner. Between battery 2 and 3.  
Created: 11/22/2023 11:57:57 AM  
Lat:32.385246, Long:-103.433650

Outside side wall SW corner. Between battery 2 and 3

Viewing Direction: North

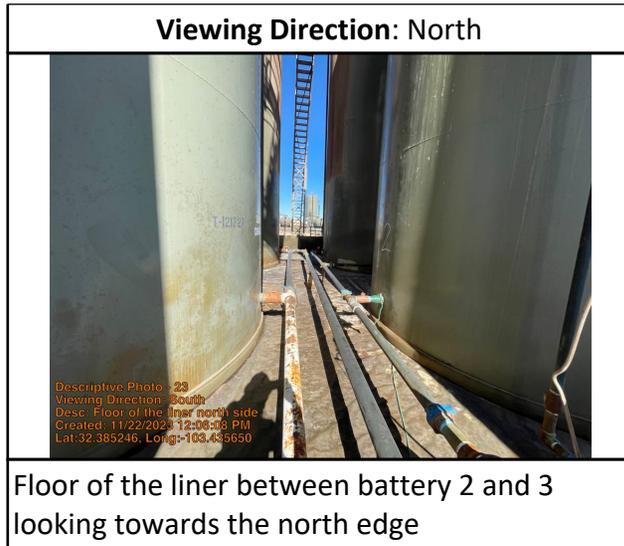
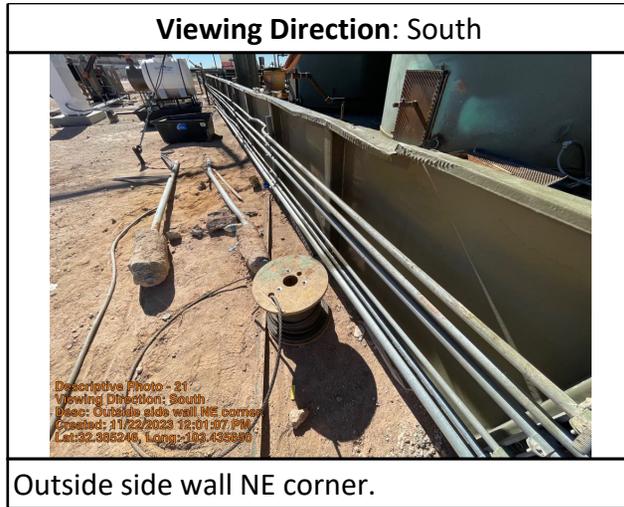


Descriptive Photo - 20  
Viewing Direction: North  
Desc: Inside side wall SW corner. Next to release point. Between battery 2 and 3.  
Created: 11/22/2023 11:59:01 AM  
Lat:32.385246, Long:-103.433650

Inside side wall SW corner. Next to release point. Between battery 2 and 3



# Daily Site Visit Report





# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Deusavan Costa Filho

**Signature:**

  
Signature



Incident Number: nAPP2331047481

## Release Assessment and Closure

Chiso State 14 Battery

Section 14, Township 22 South, Range 34 East

County: Lea

Vertex File Number: 23E-05785

**Prepared for:**

BTA Oil Producers, LLC

**Prepared by:**

Vertex Resource Services Inc.

**Date:**

December 2023

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

**Release Assessment and Closure**  
**Chiso State 14 Battery**  
**Section 14, Township 22 South, Range 34 East**  
**County: Lea**

Prepared for:  
**BTA Oil Producers**  
104 S. Pecos  
Midland, Texas 79701

**New Mexico Oil Conservation Division – District 2**  
811 S. 1<sup>st</sup> Street  
Artesia, New Mexico 88210

Prepared by:  
**Vertex Resource Services Inc.**  
3101 Boyd Drive  
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\_\_\_\_\_  
Deusavan Costa Filho, M.Sc.  
ENVIRONMENTAL TECHNICIAN, REPORTING

\_\_\_\_\_  
Date

\_\_\_\_\_  
Chance Dixon, B.Sc.  
PROJECT MANAGER, REPORT REVIEW

\_\_\_\_\_  
Date

BTA Oil Producers, LLC  
Chiso State 14 Battery

Release Assessment and Closure  
December 2023

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**4.0 Closure Criteria Determination ..... 2**

**5.0 Remedial Actions Taken ..... 4**

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- Table 1. Closure Criteria Determination
- Table 2. Closure Criteria for Soils Impacted by a Release

### **Figure**

- Figure 1. Characterization Site Schematic

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- Appendix A. NMOCD C-141 Report
- Appendix B. Closure Criteria Research Documentation
- Appendix C. Daily Field Report
- Appendix D. Notification

## 1.0 Introduction

BTA Oil Producers (BTA) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a crude oil release that occurred on November 6, 2023, at Chiso State 14 Battery (hereafter referred to as the “site”) facility ID: fAPP2129434580. BTA submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on November 6, 2023. Incident ID number nAPP2331047481 was assigned to this incident.

This report provides a description of the release assessment and liner inspection activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for the closure of this release as per NMAC 19.15.29.12.

## 2.0 Incident Description

The release occurred on November 3, 2023, due to a third-party company pumping out of the jet nozzle of the jet pump when the vibration caused the PRV to fail and relieve. All fluid released stayed in the lined secondary containment. The incident was reported on November 6, 2023, and involved the release of 15 barrels of produced water into lined containment. Approximately 15 barrels of produced water were recovered during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report (Appendix A).

## 3.0 Site Characteristics

The site is located approximately 3.3 miles west of Eunice, New Mexico (Google Inc., 2023). The legal location for the site is Section 14, Township 22 South and Range 34 East in Lea County, New Mexico. An aerial photograph and site schematic are presented on Figure 1.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2023) indicates the site’s surface geology primarily comprises Qep – eolian and piedmont alluvial deposits. The predominant soil texture on the site is Ratliff-Wink fine sandy loams, 0 to 5% slopes. This site occurs on uplands landforms, mainly on hill slopes, ridges, plains, terraces, and some fan remnants. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area of the site (Figure 1).

This site is on uplands, plains, dunes, fan piedmonts, terraces, and in interdunal areas. The parent material consists of mixed alluvium and or eolian sands or calcareous alluvium derived from sedimentary rock. The climate is semiarid with average annual precipitation ranging between 8 and 14 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses with shrubs and half-shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

#### **4.0 Closure Criteria Determination**

The nearest active well to the site is a New Mexico Office of the State Engineer (NMOSE) monitoring well (CP-01682) located approximately 0.1 miles south of the site (United States Geological Survey, 2023). Data from 2013 shows the NMOSE borehole recorded a depth to groundwater of 42 feet below the ground surface. Information pertaining to the depth to groundwater determination is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is a lakebed located approximately 3.5 miles northwest of the site (United States Fish and Wildlife Service, 2023).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

<b>Table 1. Closure Criteria Worksheet</b>			
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12	Ecological Classification		Uplands Landforms
13	Geology		Qep
	<b>NMAC 19.15.29.12 E (Table 1) Closure Criteria</b>	<50'	<50' 51-100' >100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

<b>Table 2. Closure Criteria for Soils Impacted by a Release</b>		
<b>Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS</b>	<b>Constituent</b>	<b>Limit</b>
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
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TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

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### 5.0 Remedial Actions Taken

Notification that a liner inspection was scheduled to be completed was provided to the NMOCD on November 17, 2023. Visual observation of the liner was completed on all sides and the base of the containment, around equipment, and of all seams in the liner. As evidenced in the Daily Field Report (Appendix C), it was verified that the liner was intact and had the ability to contain the release. The Daily Field Report with photographs of the liner inspection is included in Appendix C. The Liner Inspection Notification emails are included in Appendix D.

### 6.0 Closure Request

Vertex recommends no remediation action to address the release at the site. The secondary containment was intact and contained the release. The release took place inside of a walled containment that sit on a pad where oil and gas operations are still taking place. Reclamation for the pad will take place as soon as all oil and gas activities are terminated per 19.15.29.13 NMAC. There are no anticipated risks to human, ecological, or hydrological receptors associated with the release site.

Vertex requests that this incident (nAPP2331047481) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. BTA certifies that all information in this report and the appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the release at the site.

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**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

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The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

## **FIGURES**

## **APPENDIX A - NMOCD C-141 Report(s)**

## **APPENDIX B – Closure Criteria Research Documentation**

## APPENDIX C – Daily Field and Sampling Report(s)

## **APPENDIX D – Notification**



Incident Number: nAPP2331047481

## Release Assessment and Closure

Chiso State 14 Battery

Section 14, Township 22 South, Range 34 East

County: Lea

Vertex File Number: 23E-05785

**Prepared for:**

BTA Oil Producers, LLC

**Prepared by:**

Vertex Resource Services Inc.

**Date:**

December 2023

**BTA Oil Producers, LLC**  
Chiso State 14 Battery

**Release Assessment and Closure**  
December 2023

**Release Assessment and Closure**  
**Chiso State 14 Battery**  
**Section 14, Township 22 South, Range 34 East**  
**County: Lea**

Prepared for:  
**BTA Oil Producers**  
104 S. Pecos  
Midland, Texas 79701

**New Mexico Oil Conservation Division – District 2**  
811 S. 1<sup>st</sup> Street  
Artesia, New Mexico 88210

Prepared by:  
**Vertex Resource Services Inc.**  
3101 Boyd Drive  
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ENVIRONMENTAL TECHNICIAN, REPORTING

\_\_\_\_\_  
Date

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Chance Dixon, B.Sc.  
PROJECT MANAGER, REPORT REVIEW

\_\_\_\_\_  
Date

BTA Oil Producers, LLC  
Chiso State 14 Battery

Release Assessment and Closure  
December 2023

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## 1.0 Introduction

BTA Oil Producers (BTA) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a crude oil release that occurred on November 6, 2023, at Chiso State 14 Battery (hereafter referred to as the “site”) facility ID: fAPP2129434580. BTA submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on November 6, 2023. Incident ID number nAPP2331047481 was assigned to this incident.

This report provides a description of the release assessment and liner inspection activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for the closure of this release as per NMAC 19.15.29.12.

## 2.0 Incident Description

The release occurred on November 3, 2023, due to a third-party company pumping out of the jet nozzle of the jet pump when the vibration caused the PRV to fail and relieve. All fluid released stayed in the lined secondary containment. The incident was reported on November 6, 2023, and involved the release of 15 barrels of produced water into lined containment. Approximately 15 barrels of produced water were recovered during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report (Appendix A).

## 3.0 Site Characteristics

The site is located approximately 3.3 miles west of Eunice, New Mexico (Google Inc., 2023). The legal location for the site is Section 14, Township 22 South and Range 34 East in Lea County, New Mexico. An aerial photograph and site schematic are presented on Figure 1.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2023) indicates the site’s surface geology primarily comprises Qep – eolian and piedmont alluvial deposits. The predominant soil texture on the site is Ratliff-Wink fine sandy loams, 0 to 5% slopes. This site occurs on uplands landforms, mainly on hill slopes, ridges, plains, terraces, and some fan remnants. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area of the site (Figure 1).

This site is on uplands, plains, dunes, fan piedmonts, terraces, and in interdunal areas. The parent material consists of mixed alluvium and or eolian sands or calcareous alluvium derived from sedimentary rock. The climate is semiarid with average annual precipitation ranging between 8 and 14 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses with shrubs and half-shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

#### **4.0 Closure Criteria Determination**

The nearest active well to the site is a New Mexico Office of the State Engineer (NMOSE) monitoring well (CP-01682) located approximately 0.1 miles south of the site (United States Geological Survey, 2023). Data from 2013 shows the NMOSE borehole recorded a depth to groundwater of 42 feet below the ground surface. Information pertaining to the depth to groundwater determination is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is a lakebed located approximately 3.5 miles northwest of the site (United States Fish and Wildlife Service, 2023).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

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<b>Table 1. Closure Criteria Worksheet</b>			
<b>Site Name: Chiso State 14 Battery</b>			
<b>Spill Coordinates:</b>		<b>X: 32.38474</b>	<b>Y: -103.43564</b>
<b>Site Specific Conditions</b>		<b>Value</b>	<b>Unit</b>
1	Depth to Groundwater	42	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	2,896	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	19,016	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	67,406	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	10,889	feet
	ii) Within 1000 feet of any fresh water well or spring		feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	5,527	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	>100	year
11	Soil Type		MN
12	Ecological Classification		Uplands Landforms
13	Geology		Qep
	<b>NMAC 19.15.29.12 E (Table 1) Closure Criteria</b>	<50'	<50' 51-100' >100'

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The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

## 5.0 Remedial Actions Taken

Notification that a liner inspection was scheduled to be completed was provided to the NMOCD on November 17, 2023. Visual observation of the liner was completed on all sides and the base of the containment, around equipment, and of all seams in the liner. As evidenced in the Daily Field Report (Appendix C), it was verified that the liner was intact and had the ability to contain the release. The Daily Field Report with photographs of the liner inspection is included in Appendix C. The Liner Inspection Notification emails are included in Appendix D.

## 6.0 Closure Request

Vertex recommends no remediation action to address the release at the site. The secondary containment was intact and contained the release. The release took place inside of a walled containment that sit on a pad where oil and gas operations are still taking place. Reclamation for the pad will take place as soon as all oil and gas activities are terminated per 19.15.29.13 NMAC. There are no anticipated risks to human, ecological, or hydrological receptors associated with the release site.

Vertex requests that this incident (nAPP2331047481) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. BTA certifies that all information in this report and the appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the release at the site.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or [cdixon@vertex.ca](mailto:cdixon@vertex.ca).

## 7.0 References

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Chiso State 14 Battery

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## **8.0 Limitations**

This report has been prepared for the sole benefit of BTA Oil Producers, LLC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division without the express written consent of Vertex Resource Services Inc. (Vertex) and BTA Oil Producers, LLC. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

## **FIGURES**

**APPENDIX A - NMOCD C-141 Report(s)**

## **APPENDIX B – Closure Criteria Research Documentation**

## APPENDIX C – Daily Field and Sampling Report(s)

## **APPENDIX D – Notification**

**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**

QUESTIONS

Action 306173

**QUESTIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 306173
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2331047481
Incident Name	NAPP2331047481 CHISO STATE 14 BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2129434580] Chiso State 14

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	CHISO STATE 14 BATTERY
Date Release Discovered	11/03/2023
Surface Owner	Private

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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Pump   Crude Oil   Released: 15 BBL   Recovered: 15 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A third party company was in the process of pumping out of the jet nozzle of the jet pump, when the vibration caused the PRV to fail and relieve. All fluid released stayed in the lined secondary containment. A vac truck recovered all released fluids.

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**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 306173
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: BTA VERTEX Title: Environmental Manager Email: kbeaird@btaoil.com Date: 01/22/2024
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**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 306173
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**  
*Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1/2 and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	11/22/2023
On what date will (or did) the final sampling or liner inspection occur	11/22/2023
On what date will (or was) the remediation complete(d)	11/22/2023
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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

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

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**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 306173
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

*(Select all answers below that apply.)*

Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement	Name: BTA VERTEX Title: Environmental Manager Email: kbeaird@btaoil.com Date: 01/22/2024
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*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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**QUESTIONS (continued)**

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	Action Number: 306173
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Liner Inspection Information</b>	
Last liner inspection notification (C-141L) recorded	<b>306372</b>
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	<b>11/22/2023</b>
Was all the impacted materials removed from the liner	<b>Yes</b>
What was the liner inspection surface area in square feet	<b>5600</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>0</b>
What was the total volume (cubic yards) remediated	<b>0</b>
Summarize any additional remediation activities not included by answers (above)	<b>No remedial activities were required as no fluids breached the lined containment.</b>

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

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

I hereby agree and sign off to the above statement	Name: BTA VERTEX Title: Environmental Manager Email: kbeaird@btaoil.com Date: 01/22/2024
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**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 306173

**CONDITIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 306173
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Liner inspection approved, release resolved.	3/27/2024