



SITE INFORMATION

**Closure Report
9418 JV-P Vaca Draw Battery
Lea County, New Mexico
Unit A, Sec 10, T25S, R33E
32.1518059°, -103.563446°**

**Incident ID: nkJ1518155255
Crude Oil Release
Point of Release: Equipment Failure on Dump Valve
Release Date: 06.20.2015
Volume Released: 45 Barrels of Crude Oil
Volume Recovered: 40 Barrels of Crude Oil**

CARMONA RESOURCES



**Incident ID: nJXK1611133725
Crude Oil Release
Point of Release: Gasket on Separator Failed
Release Date: 04.03.2016
Volume Released: 34 Barrels of Crude Oil
Volume Recovered: 30 Barrels of Crude Oil**

**Prepared for:
BTA Oil Producers, LLC
104 South Pecos Street
Midland, Texas 79701**

**Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701**

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992



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October 16, 2025

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, New Mexico 87505

Re: **Closure Report**
9418 JV-P Vaca Draw Battery
Incident ID: nKJ1518155255 & NJXK161133725
BTA Oil Producers, LLC
Site Location: Unit A, S10, T25S, R33E
32.1518059°, -103.563446°
Lea County, New Mexico

To whom it may concern:

On behalf of BTA Oil Producers, LLC (BTA), Carmona Resources LLC has prepared this letter to document the remediation activities for the 9418 JV-P Vaca Draw Battery release. The site is located at 32.1518059°, -103.563446° within Unit A, S10, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

nKJ1518155255

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 20, 2015, due to a cut out dump valve malfunctioning causing the release. It resulted in approximately forty-five (45) barrels of crude oil being released, with forty (40) barrels of crude oil being recovered. The release area is approximately 8,022 square feet. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 form is attached in Appendix C.

NJXK1611133725

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 3, 2016, due to a gasket on the separator failing causing the release. It resulted in approximately thirty-four (34) barrels of crude oil being released, with thirty (30) barrels of crude oil recovered. The release area is approximately 8,022 square feet. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within 0.50 Miles of the site. The nearest well is approximately 1.51 miles Northwest of the site in S33, T24S, R33E and was drilled in 1996. The well has a reported depth to groundwater of 94.35' feet below the ground surface (ft bgs). A copy of the summary report is attached in Appendix E.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing and remediating the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.



4.0 Site Characterization and Remediation Work Plan (January 2025)

Initial Assessment

On December 27, 2024, a third-party contractor performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) sample points (V-1 through V-7) and seven horizontal samples (H-1 through H-7) were installed to depths ranging from the surface to 3.0' bgs inside and surrounding the release area. See Appendix D for the sample locations. The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D.

The areas of V-4 through V-7 were proposed to be excavated to a depth of 0.5' bgs. Following this site assessment and the creation of the 2025 remediation work plan, no documentation related to the remediation of this spill incident can be found.

5.0 Remediation Activities

Beginning on October 14, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on October 13, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of forty-two (42) confirmation floor samples (CS-1 through CS-42) and four (4) horizontal samples (H-1 through H-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed directly into laboratory provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chloride. Refer to Table 1. The excavation depth and confirmation sample locations are shown in Figure 3.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on October 14, 2025, before being utilized. The backfill material was sourced from a caliche stockpile located on the Northeast corner of the pad at 32.152617°, -103.562871°. Refer to Table 1. Approximately 8,022 square feet of contamination was remediated, resulting in 149 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Conclusion & Variance

Due to the excavation being less than 1.0 ft in depth, horizontal delineation samples were collected in place of composite confirmation sidewall samples.

Based on the remediation results and the analytical data, no further actions are required at the site BTA formally requests the closure of the spill. BTA will reclaim and reseed the previously remediated per NMAC 19.15.29.13 when the location is deconstructed. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992

Sincerely,
Carmona Resources, LLC

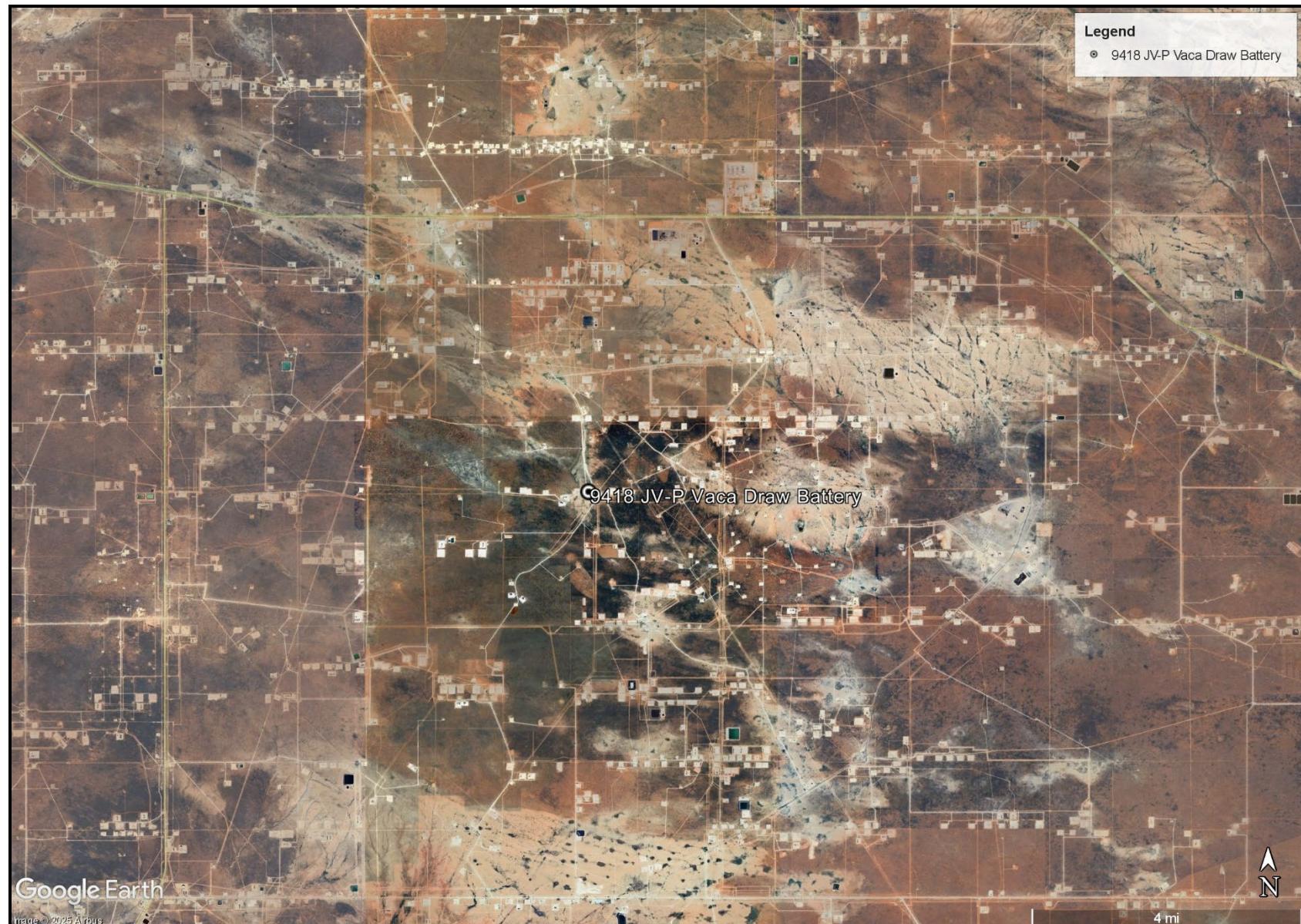
Ashton Thielke
 Environmental Manager

Riley Plogger
 Project Manager

FIGURES

CARMONA RESOURCES

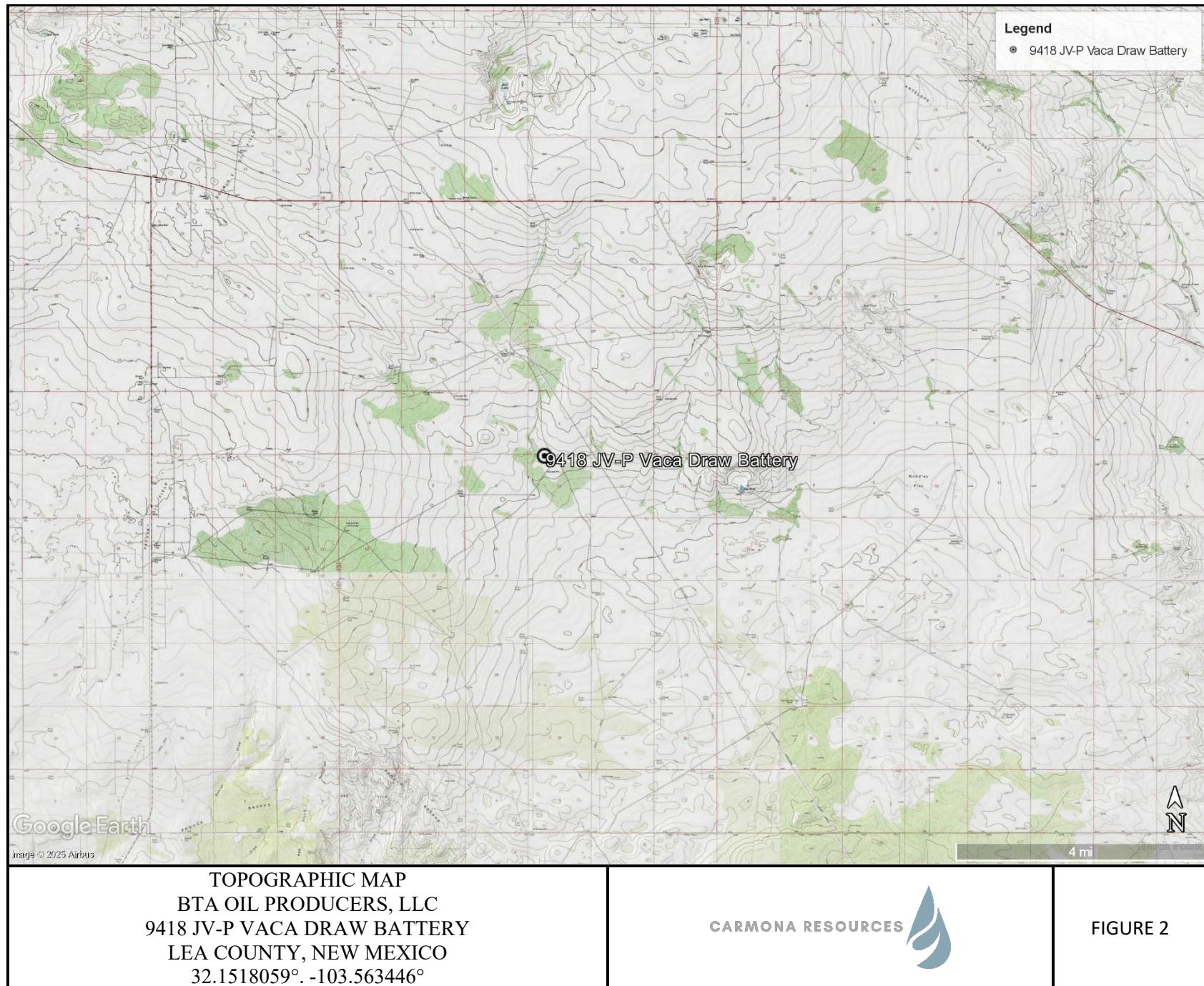




OVERVIEW MAP
BTA OIL PRODUCERS, LLC
9418 JV-P VACA DRAW BATTERY
LEA COUNTY, NEW MEXICO
32.1518059°. -103.563446°



FIGURE 1





APPENDIX A

CARMONA RESOURCES



Table 1
BTA Oil
JV-P Vaca Draw Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-2	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-3	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-4	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-5	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-6	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-7	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-8	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-9	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-10	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-11	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-12	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-13	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-14	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-15	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-16	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-17	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-18	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-19	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-20	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-21	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-22	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-23	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-24	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-25	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

Table 1
BTA Oil
JV-P Vaca Draw Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-26	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-27	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-28	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-29	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-30	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-31	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-32	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-33	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-34	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-35	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-36	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-37	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-38	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-39	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-40	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-41	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-42	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
H-1	10/14/2025	0-0.5'	<10.0	13.8	<10.0	13.8	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-2	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-3	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-4	10/14/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Backfill	10/14/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

(H) - Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

BTA Oil Producers, LLC

Photograph No. 1**Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View West, 0.5' scraped area of concern CS-1 through CS-42

**Photograph No. 2****Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Southeast, 0.5' scraped area of concern CS-1 through CS-42

**Photograph No. 3****Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Southwest, 0.5' scraped area of concern CS-1 through CS-42



PHOTOGRAPHIC LOG

BTA Oil Producers, LLC

Photograph No. 4**Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Southeast, 0.5' scraped area of concern CS-1 through CS-42

**Photograph No. 5****Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Northwest, Backfilled area of excavation

**Photograph No. 6****Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Southwest, Backfilled area of excavation



PHOTOGRAPHIC LOG

BTA Oil Producers, LLC

Photograph No. 7**Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Southeast, Backfilled area of excavation



Photograph No. 8**Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

View Northeast, Backfilled area of excavation



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

RECEIVED

By JKeyes at 9:26 am, Apr 20, 2016

Form C-141

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report

Final Report

Name of Company	BTA Oil Producers		Contact	Pam Inskeep		
Address	104 S. Pecos, Midland, TX 79701		Telephone No.	(432) 682-3753		
Facility Name	9418 JV-P Vaca Draw Battery		Facility Type	Tank Battery		
Surface Owner	USA		Mineral Owner	Lease No. NMNM97153		

LOCATION OF RELEASE

Unit Letter C	Section 10	Township 25S	Range 33E	Feet from the 190	North/South Line North	Feet from the 1650	East/West Line West	County Lea
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NATURE OF RELEASE

Type of Release	Minor	Volume of Release	34 bbl oil	Volume Recovered	30 bbl oil
Source of Release	separator gasket malfunction	Date and Hour of Occurrence	early morning 04/03/2016	Date and Hour of Discovery 12 pm 04/03/2016	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding - NMOCD Carlsbad BLM, voice msg			
By Whom?	Pam Inskeep	Date and Hour	2:30 p.m. CDT, 04/03/2016		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

At approximately 12 pm, Saturday April 3, 2016, a passing Chevron employee passed by the location and observed a release. Our operations manager was contacted. The pumper immediately went to the battery and discovered that a gasket had given way at the separator, allowing a release of approx. 35 bbls oil inside the containment. An estimated 3-4 bbls of oil was sprayed outside the containment, affecting a narrow area about 50' in length. Detailed voice messages were provided to the NMOCD and BLM on 4/03/2016. All fluid possible was vacuumed up and returned to a tank at the battery. The soil outside the containment was tested by Cardinal Laboratories. Note: The battery is located at the #4H well site - API 30-025-41623.

Describe Area Affected and Cleanup Action Taken.*

See above explanation

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor: 	
Printed Name: Pam Inskeep		
Title: Regulatory Administrator	Approval Date: 04/20/2016	Expiration Date: 06/20/2016
Date: 04/15/2016 Phone: (432) 682-3753	Conditions of Approval: Discrete samples only. Delineate and remediate per NMOCD guidelines. Ensure BLM concurrence/approval	

* Attach Additional Sheets If Necessary

Attached 1RP 4255
Discrete samples only.
Delineate and remediate
per NMOCD guidelines.
Ensure BLM
concurrence/approval

nJXK1611133725
pJXK1611133870



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

April 07, 2016

BRYAN DAVIS
BTA Oil Producers
103 South Pecos
Midland, TX 79701

RE: VACA 4H CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/06/16 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

BTA Oil Producers
 BRYAN DAVIS
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	04/06/2016	Sampling Date:	04/06/2016
Reported:	04/07/2016	Sampling Type:	Soil
Project Name:	VACA 4H CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #1 CONTROL (H600731-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*		<0.050	0.050	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*		<0.050	0.050	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*		<0.150	0.150	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX		<0.300	0.300	04/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		144	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M										mg/kg
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10		<10.0	10.0	04/07/2016	ND	178	89.0	200	1.81	
DRO >C10-C28		<10.0	10.0	04/07/2016	ND	170	85.0	200	4.37	

Surrogate: 1-Chlorooctane 68.2 % 35-147

Surrogate: 1-Chlorooctadecane 78.0 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BTA Oil Producers
 BRYAN DAVIS
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	04/06/2016	Sampling Date:	04/06/2016
Reported:	04/07/2016	Sampling Type:	Soil
Project Name:	VACA 4H CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #2 (H600731-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.050	0.050	04/07/2016	ND	1.98	98.8	2.00	2.71		
Toluene*	1.57	0.050	04/07/2016	ND	1.88	94.0	2.00	3.17		
Ethylbenzene*	1.13	0.050	04/07/2016	ND	1.67	83.4	2.00	4.10		
Total Xylenes*	6.51	0.150	04/07/2016	ND	5.17	86.1	6.00	4.65		
Total BTEX	9.25	0.300	04/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/07/2016	ND	432	108	400	3.77		
TPH 8015M	mg/kg	Analyzed By: MS								

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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Analytical Results For:

BTA Oil Producers
 BRYAN DAVIS
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	04/06/2016	Sampling Date:	04/06/2016
Reported:	04/07/2016	Sampling Type:	Soil
Project Name:	VACA 4H CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #3 (H600731-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	04/07/2016	ND	1.98	98.8	2.00	2.71		
Toluene*	2.32	0.100	04/07/2016	ND	1.88	94.0	2.00	3.17		
Ethylbenzene*	2.02	0.100	04/07/2016	ND	1.67	83.4	2.00	4.10		
Total Xylenes*	11.6	0.300	04/07/2016	ND	5.17	86.1	6.00	4.65		
Total BTEX	15.9	0.600	04/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/07/2016	ND	432	108	400	3.77		
TPH 8015M										
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	246	10.0	04/07/2016	ND	178	89.0	200	1.81		
DRO >C10-C28	2350	10.0	04/07/2016	ND	170	85.0	200	4.37		

Surrogate: 1-Chlorooctane 113 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 BRYAN DAVIS
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received:	04/06/2016	Sampling Date:	04/06/2016
Reported:	04/07/2016	Sampling Type:	Soil
Project Name:	VACA 4H CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #4 (H600731-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2016	ND	1.98	98.8	2.00	2.71	
Toluene*	0.064	0.050	04/07/2016	ND	1.88	94.0	2.00	3.17	
Ethylbenzene*	0.270	0.050	04/07/2016	ND	1.67	83.4	2.00	4.10	
Total Xylenes*	2.00	0.150	04/07/2016	ND	5.17	86.1	6.00	4.65	
Total BTEX	2.34	0.300	04/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/07/2016	ND	432	108	400	3.77	
TPH 8015M									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	69.7	10.0	04/07/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	1560	10.0	04/07/2016	ND	170	85.0	200	4.37	

Surrogate: 1-Chlorooctane 97.9 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7

BTA 9418 JV-P VACA DRAW 4H BATTERY
SAMPLE SITES
PC RELEASE 04/03/16

Mac 4 CTB



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD

JUN 29 2015

Form C-141
Revised March 17, 1999Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

RECEIVED

Release Notification and Corrective Action

OPERATOR

 Initial Report Final Report

Name of Company	BTA Oil Producers	Contact	Pam Inskeep
Address	104 S. Pecos, Midland, TX 79701	Telephone No.	(432) 682-3753
Facility Name	9418 JV-P Vaca Draw Battery	Facility Type	Tank Battery

Surface Owner	USA	Mineral Owner	Lease No.	NMNM97153
---------------	-----	---------------	-----------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	10	25S	33E	190	North North	330	East East	Lea

NATURE OF RELEASE

Type of Release	Minor	Volume of Release	45 bbl oil	Volume Recovered	40 bbl oil
Source of Release	dump valve malfunction	Date and Hour of Occurrence	early morning 6/20/15	Date and Hour of Discovery	1 pm 6 20/15
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding – NMOCD Jim Amos, BLM		
By Whom?	Pam Inskeep	Date and Hour	5:30 p.m. CDT, 06/20/15		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

N/A

REVIEWED

By OCD District 1 at 2:01 pm, Jun 30, 2015

Describe Cause of Problem and Remedial Action Taken.*

At approximately 1 pm, Saturday June 20, 2015, a Plains truck driver arrived at the battery location and discovered a release. He immediately contacted BTA. The cut out dump valve malfunctioned and released oil into the containment. All fluid possible was vacuumed up and returned to a tank at the battery. It was originally thought that all of the fluid remained in the containment. However, some fluid got under the polyurea floor. We will cut there and sample the soil. Note: The battery is located at the #2H well site – API 30-025-41621.

Describe Area Affected and Cleanup Action Taken.*

See above explanation

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	Pam Inskeep			OIL CONSERVATION DIVISION			
Printed Name:	Pam Inskeep			Approved by	District Supervisor:	Ko	
Title:	Regulatory Administrator			Approval Date:	06/30/2015	Expiration Date:	09/30/2015
Date:	06/21/2015	Phone:	(432) 682-3753	Conditions of Approval: Delineate and		Site samples required.	
				remediate as per MNOCD guides.		Attached <input type="checkbox"/> 260297 1RP-3705	
				Geotag photographs of remediation required.		pKJ1518155399 nKJ1518155255	

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
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Santa Fe, NM 87505

HOBBS OCD

JUN 29 2015

Form C-141
Revised March 17, 1999Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

RECEIVED

Release Notification and Corrective Action

OPERATOR

 Initial Report Final Report

Name of Company	BTA Oil Producers	Contact	Pam Inskeep
Address	104 S. Pecos, Midland, TX 79701	Telephone No.	(432) 682-3753
Facility Name	9418 JV-P Vaca Draw Battery	Facility Type	Tank Battery

Surface Owner	USA	Mineral Owner	Lease No.	NMNM97153
---------------	-----	---------------	-----------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	10	25S	33E	190	North North	330	East East	Lea

NATURE OF RELEASE

Type of Release	Minor	Volume of Release	45 bbl oil	Volume Recovered	40 bbl oil
Source of Release	dump valve malfunction	Date and Hour of Occurrence	early morning 6/20/15	Date and Hour of Discovery	1 pm 6 20/15
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Tomas Oberding – NMOCD Jim Amos, BLM		
By Whom?	Pam Inskeep	Date and Hour	5:30 p.m. CDT, 06/20/15		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

N/A

REVIEWED

By OCD District 1 at 2:01 pm, Jun 30, 2015

Describe Cause of Problem and Remedial Action Taken.*

At approximately 1 pm, Saturday June 20, 2015, a Plains truck driver arrived at the battery location and discovered a release. He immediately contacted BTA. The cut out dump valve malfunctioned and released oil into the containment. All fluid possible was vacuumed up and returned to a tank at the battery. It was originally thought that all of the fluid remained in the containment. However, some fluid got under the polyurea floor. We will cut there and sample the soil. Note: The battery is located at the #2H well site – API 30-025-41621.

Describe Area Affected and Cleanup Action Taken.*

See above explanation

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	Pam Inskeep			OIL CONSERVATION DIVISION			
Printed Name:	Pam Inskeep			Approved by	District Supervisor:	Ko	
Title:	Regulatory Administrator			Approval Date:	06/30/2015	Expiration Date:	09/30/2015
Date:	06/21/2015 Phone: (432) 682-3753			Conditions of Approval: Delineate and		Site samples required.	
						remediate as per MNOCD guides.	
						Geotag photographs of remediation required.	
						Attached <input type="checkbox"/> 260297 1RP-3705	

* Attach Additional Sheets If Necessary

pKJ1518155399
nKJ1518155255

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

QUESTIONS

Action 514672

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 514672
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nJXK1611133725
Incident Name	NJXK1611133725 9418 JV-P VACA DRAW BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Facility	[fKJ1518152426] 9418 JV-P Vaca Draw Battery

Location of Release Source

Site Name	9418 JV-P VACA DRAW BATTERY
Date Release Discovered	04/03/2016
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	8,500
What is the estimated number of samples that will be gathered	48
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/14/2025
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.1518059°, -103.563446°) Carmona Resources will be onsite to oversee the remediation based off of the work plan previously submitted and to collect composite confirmation floor samples from a 6inch scrape. Due to the excavation being less than 1.0' in depth, we will collect grab horizontal samples to horizontal define the release boundary.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emrrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 514672

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 514672
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

APPENDIX D

CARMONA RESOURCES





209 W. McKay Street
 Carlsbad, New Mexico 88220
 Tel. 432-701-2159
www.ntgenvironmental.com

January 15, 2025

Mike Bratcher
 District Supervisor
 Oil Conservation Division, District 2
 811 S. First Street
 Artesia, New Mexico 88210

Re: Site Characterization and Remediation Work Plan
 BTA Oil Producers
 9418 JV-P Vaca Draw Battery
 Unit A, Section 10, Township 25S, Range 33E
 Site Coordinates: 32.1518059, -103.563446
 Lea County, New Mexico
 Incident ID: nJXK1611133725 and nKJ1518155255

Introduction

On behalf of BTA Oil Producers (BTA), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for incident IDs: nJXK1611133725 and NKJ1518155255 – 9418 JV-P Vaca Draw Battery (Site). The Site is in Unit Letter A, Section 10, of Township 25 South and Range 33 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.1518059° N latitude and 103.563446° W longitude. The site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

Background

Incident nKJ1518155255: Based on the initial C-141 submitted by BTA and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on June 30, 2015, and was the result of a cutout dump malfunctioning, resulting in the release of forty-five (45) barrels (bbls) of crude oil, of which forty (40) bbls were recovered for a net loss of five (5) bbls. Upon discovery, all associated wells were shut in, and the area was secured. The release area is shown on Figure 3

Incident nJXK1611133725: Based on the initial C-141 submitted by BTA and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on April 3, 2016, and was the result of a gasket on a separator failing, resulting in the release of thirty-four (34)

Mr. Mike Bratcher
 January 15, 2025
 Page 2 of 3

barrels (bbls) of crude oil, of which thirty (30) bbls were recovered for a net loss of four (4) bbls. Upon discovery, all associated wells were shut in, and the area was secured. The release area is shown on Figure 3.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½-mile radius of the Site. One receptor, a riverine is located 886 feet west of the site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

Site Characterization		Average Groundwater Depth (ft)
Low Karst		Unknown

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.29.12 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Initial Soil Delineation Assessment Summary and Findings

On December 27, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Seven (7) vertical sample points (V-1 through V-7) were installed within the release area and seven (7) horizontal sample points (H-1 through H-7) were installed adjacent to the release area in order to vertically and horizontally characterize the impacts. Vertical soil samples were collected at one (1) foot intervals from depths ranging from zero (0) to three (3) feet ft below ground surface (bgs), and horizontal soil samples were collected at zero to half a foot (0-0.5') increments with a geotechnical hand auger. The auger was decontaminated with Alconox® and deionized water between sample points to prevent cross contamination. Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (Method SW846 8021B), total petroleum hydrocarbon (TPH) (Method SW846 8015B), and chloride (method EPA 4500CL-B). Analytical results indicated that TPH and/or chloride concentrations exceeded the NMOCD regulatory limits at

NTGE Project No.: 249317



Mr. Mike Bratcher
January 15, 2025
Page 3 of 3

zero (0) ft in the areas of V-4 through V-7. All horizontal samples were below NMOCD regulatory limits at a depth of zero (0) to a half foot (0-0.5') bgs.

Analytical results are included in Table 1, while soil boring and delineated locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

Proposed Work Plan

After receiving and evaluating the soil boring data NTGE proposes to excavate the areas of V-4 through V-7 to a depth of half a foot (0.5) bgs to ensure that the impacted soils have been removed from the Site. Approximately 227 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown on Figure 4.

Upon completion of the excavation, confirmation samples will be taken with a five (5) point composite sample and represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified, and chloride by SM4500 Cl-B. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12 and 19.15.23.13, the areas will be further excavated until concentrations are below Table I Closure Criteria.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
Jr. Field Operations Manager



Kellan Smith
Project Manager

Attachments:

- Tables
- Figures
- Photographic Log
- Site Characterization Documentation
- Laboratory Reports and Chain-of-Custody Documents

Tables

Table 1
Summary of Soil Analytical Data - Delineation Samples
9418 JV-P Vaca Draw Battery
BTA Oil Producers
Lea County, New Mexico

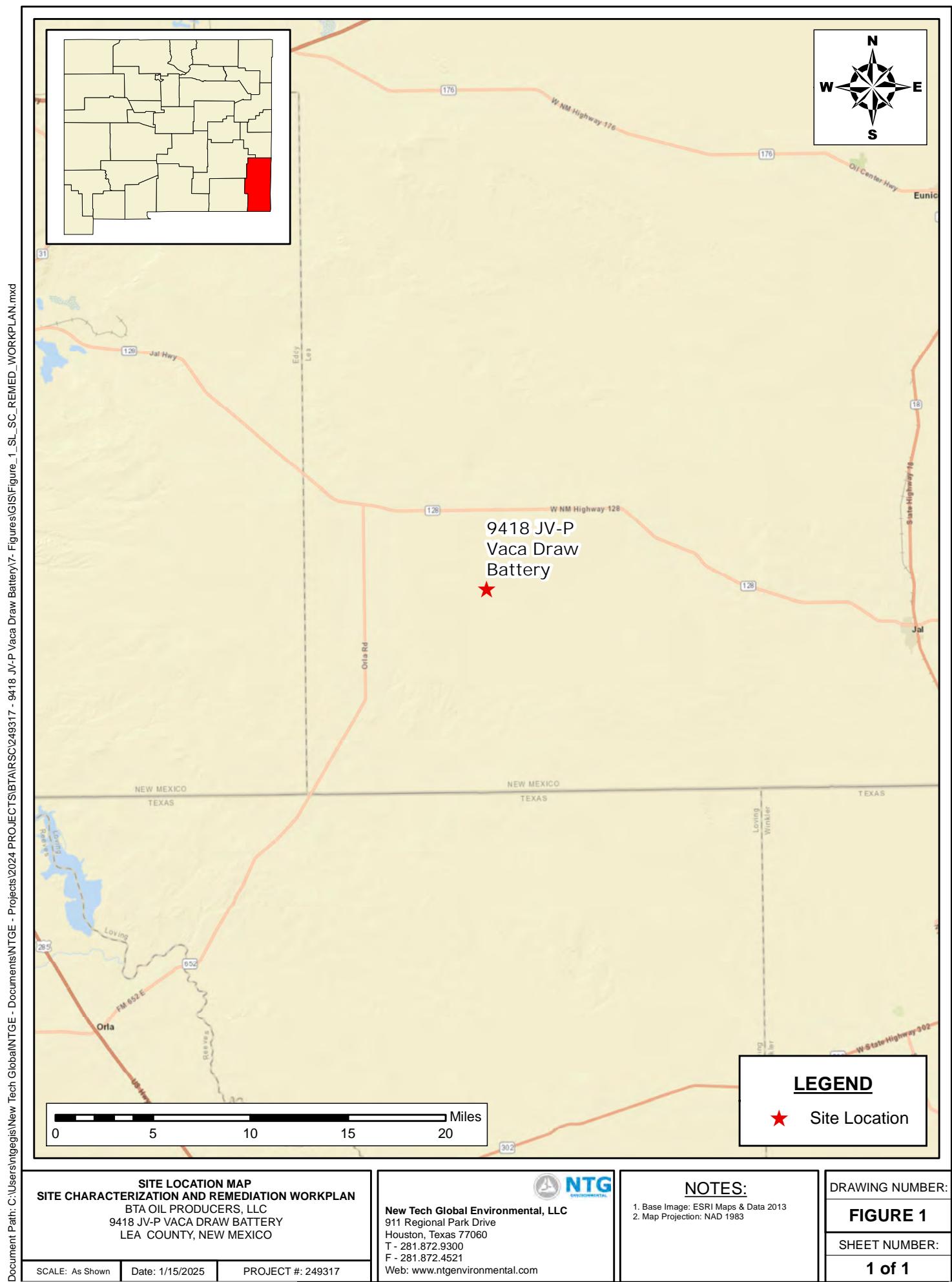
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Table I Closure Criteria for Soil ≤50 feet Depth to Groundwater 19.15.29 NMAC													
Vertical Delineation Samples	12/27/24	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	12/27/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	12/27/24	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	12/27/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	12/27/24	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	12/27/24	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	12/27/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.0	29.0	<10.0	29.0	64.0
	12/27/24	0'	<0.050	2.09	0.093	0.488	2.67	11.2	<10.0	11.2	<10.0	11.2	784
	12/27/24	1'	<0.050	0.067	<0.050	<0.150	<0.300	<10.0	18.8	18.8	10.4	29.2	320
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	12/27/24	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27	27	11.4	38.4	48.0
V-5	12/27/24	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
	12/27/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
V-6	12/27/24	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	67.7	67.7	47.5	115.2	4,240
	12/27/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
	12/27/24	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
V-7	12/27/24	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.6	24.6	28.8	53.4	1,140
	12/27/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
	12/27/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
Horizontal Delineation Samples													
H-1	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
H-2	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.3	12.3	<10.0	12.3	352
H-3	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
H-4	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
H-5	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
H-6	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
H-7	12/27/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

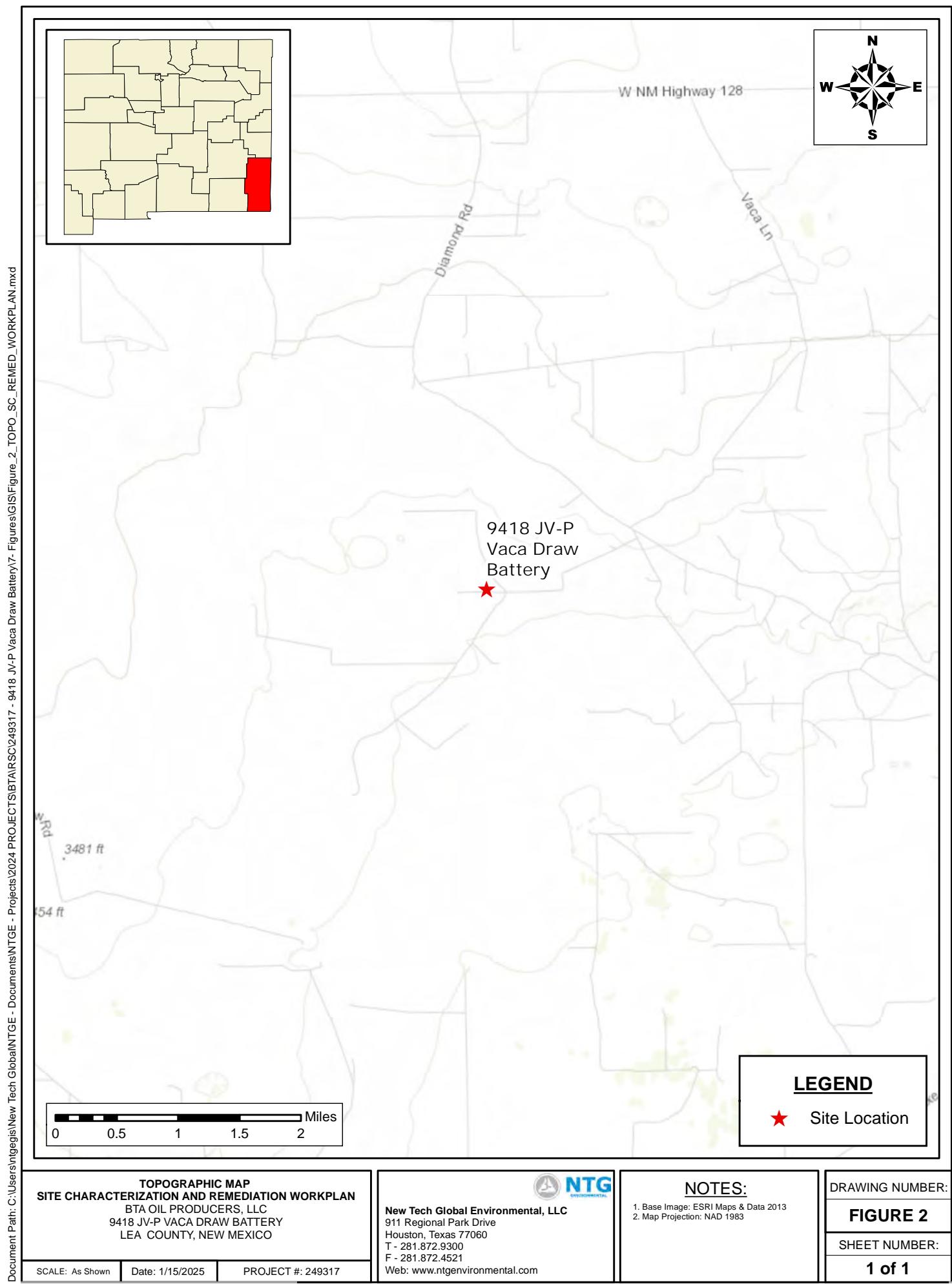
Notes:

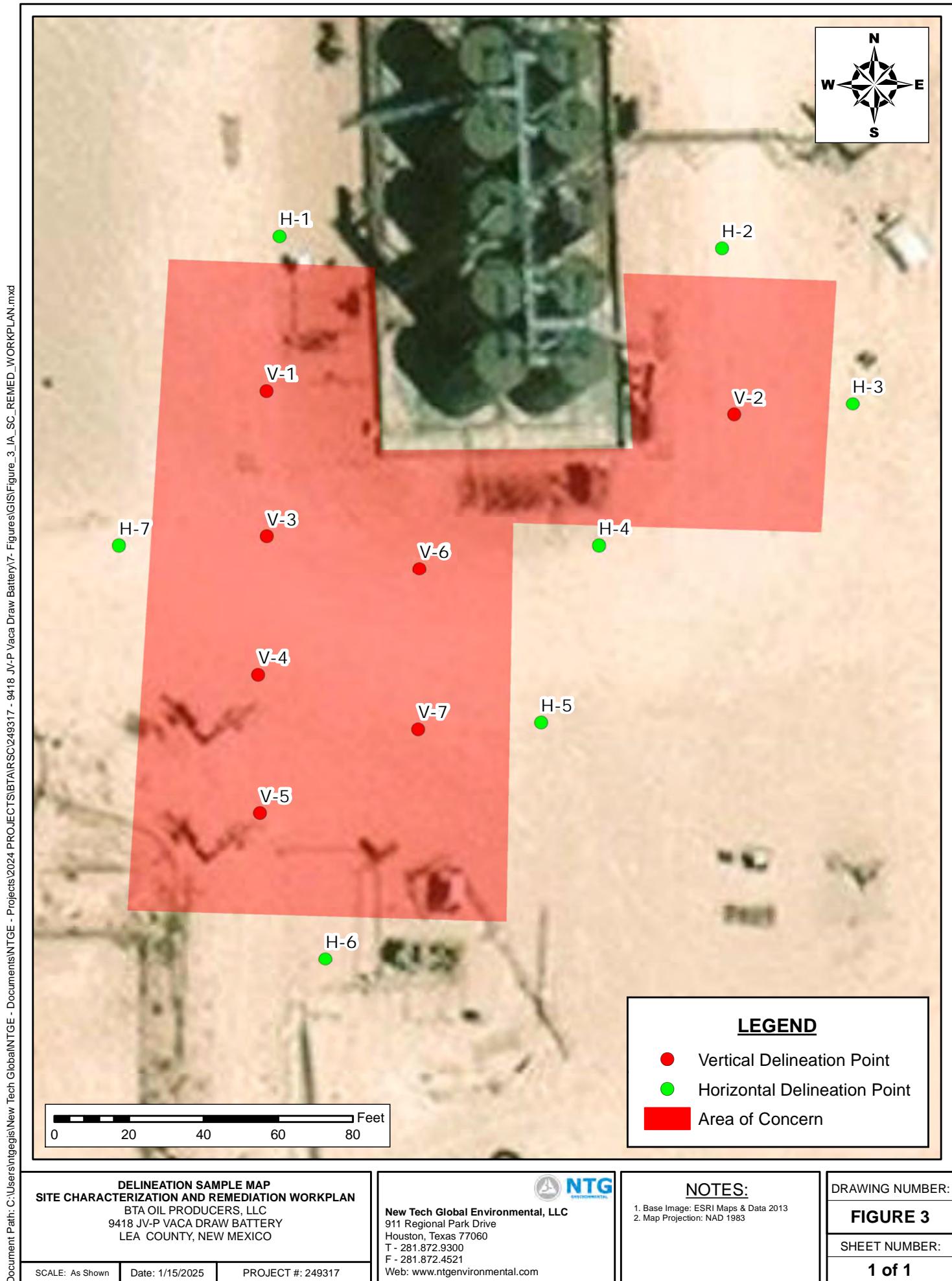
1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

Figures









Proposed Excavation Map

BTA Oil Producers
9418 JV-P Vaca Draw Battery
Lea County, New Mexico
32.151941, -103.563963

Area of Red: 9,430 sqft x 0.5 ft ~ 175 CY
Total Cubic Yardage w 30% fluff ~ 227 CY

sqft ~ Square Feet
CY - Cubic Yards

Legend

- 0.5ft Excavation
- Delineation Sample Points



Site Characterization Information

NMOCD Closure Criteria

9418 JV-P Vaca Draw Battery

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes				
Depth to Groundwater (ft bgs)	Unknown	Office of the State Engineer (OSE)				
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	886 ft	National Wetlands Inventory (NWS)				
Horizontal Distance to Nearest Significant Watercourse (ft)	N/A	National Wetlands Inventory (NWS)				

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)		Closure Criteria (mg/kg)									
Depth to Groundwater (ft)		Chloride*	TPH	GRO + DRO	BTEX	Benzene					
< 50	X	600	100	--	50	10					
51 - 100		10,000	2,500	1,000	50	10					
>100		20,000	2,500	1,000	50	10					
Surface Water		Yes/No	in yes, then								
<300 ft from a continuously flowing watercourse or other significant watercourse?	No		600	100	50	10					
<200 ft from a lakebed, sinkhole, or playa lake?	No										
Water Well or Water Source											
<500 ft from a spring or a private, domestic fresh waster well used by less than 5 households for domestic or livestock purposes?	No										
<1,000 ft from a fresh water well or spring?	No										
Human and Other Area											
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No										
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No										
<100 ft from a wetland?	No										
Within an area overlying a subsurface mine?	No										
Within and unstable area?	No										
Within a 100 yr floodplain?	No										

* - numerical limit or background, whichever is greater

OSE POD Location Map



11/8/2024, 12:29:43 PM

Override 1

Water Right Regulations

OSE District Boundary

Closure Area

NHD Flowlines

Stream River

New Mexico State Trust Lands

Fourth Estates

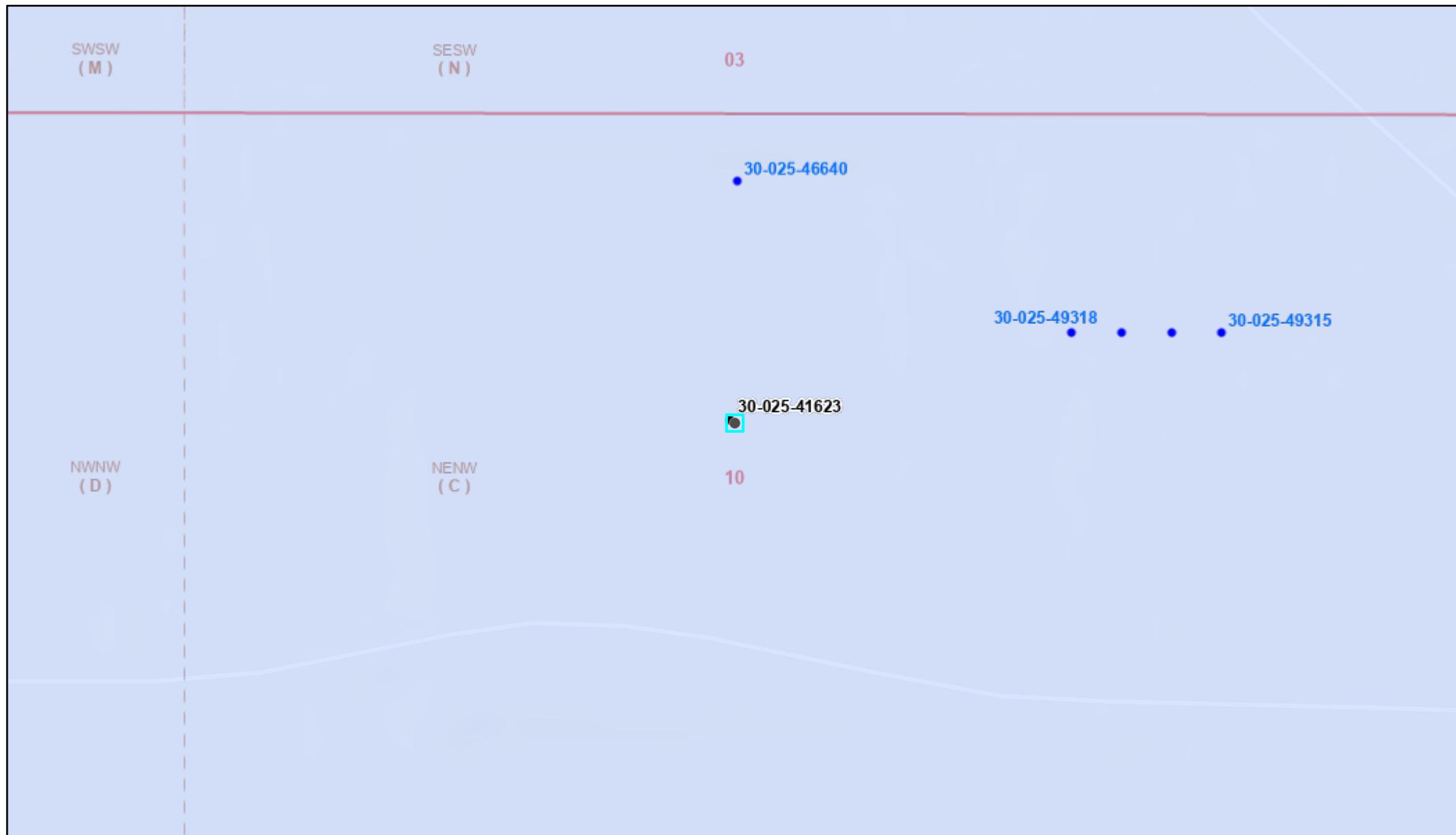
1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Karst Potential Map



11/8/2024, 12:37:25 PM

Wells - Large Scale Karst Occurrence Potential



PLSS First Division

- Oil, Active



Low

- Oil, New



PLSS Second Division

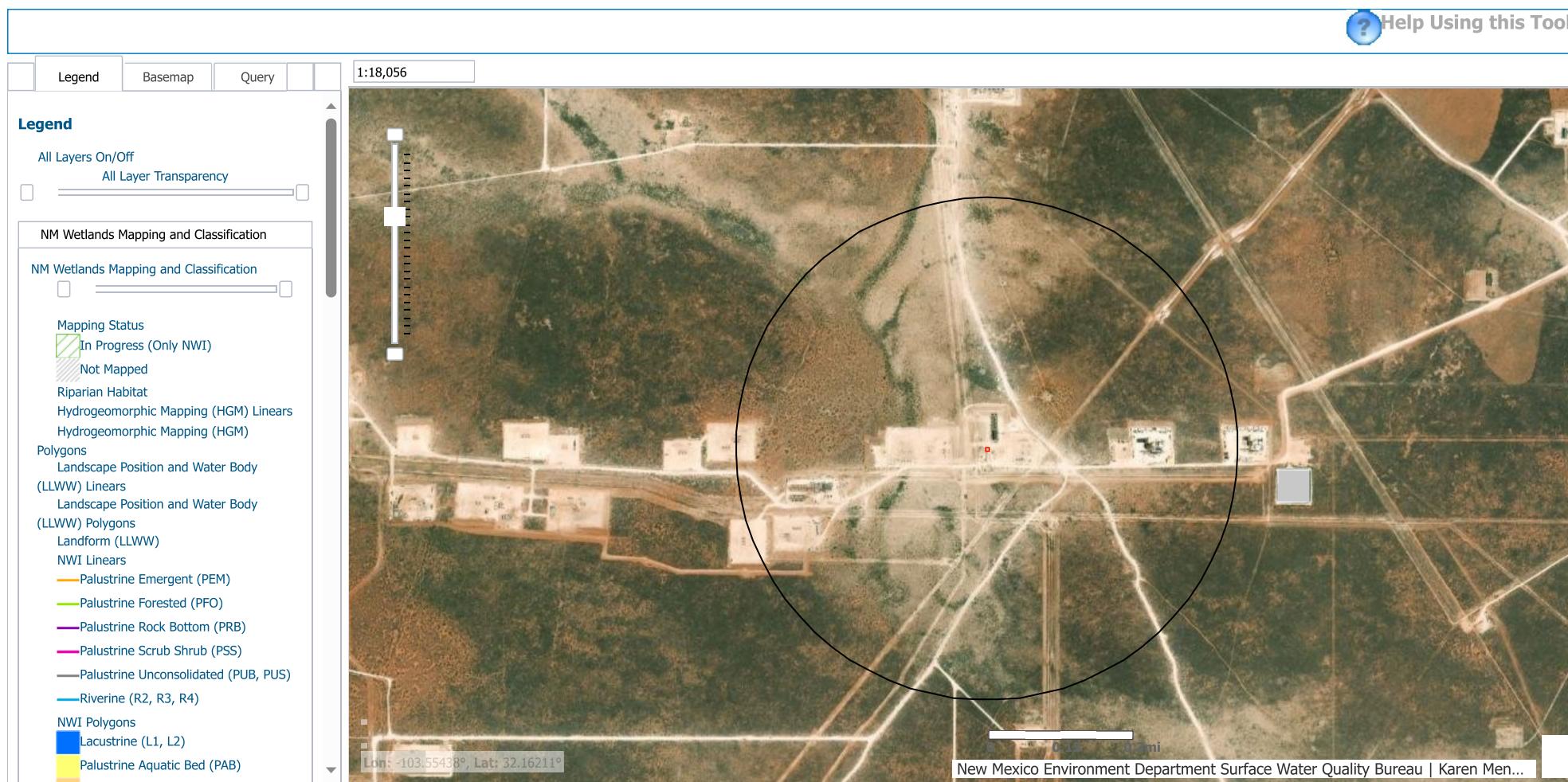
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1:1,128
 0 0.01 0.01 0.03 0.05 mi
 0 0.01 0.01 0.03 0.05 km

BLM, OCD, New Mexico Tech, Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map, <http://nm-emrrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb98f35ca75>; New Mexico Oil Conservation Division

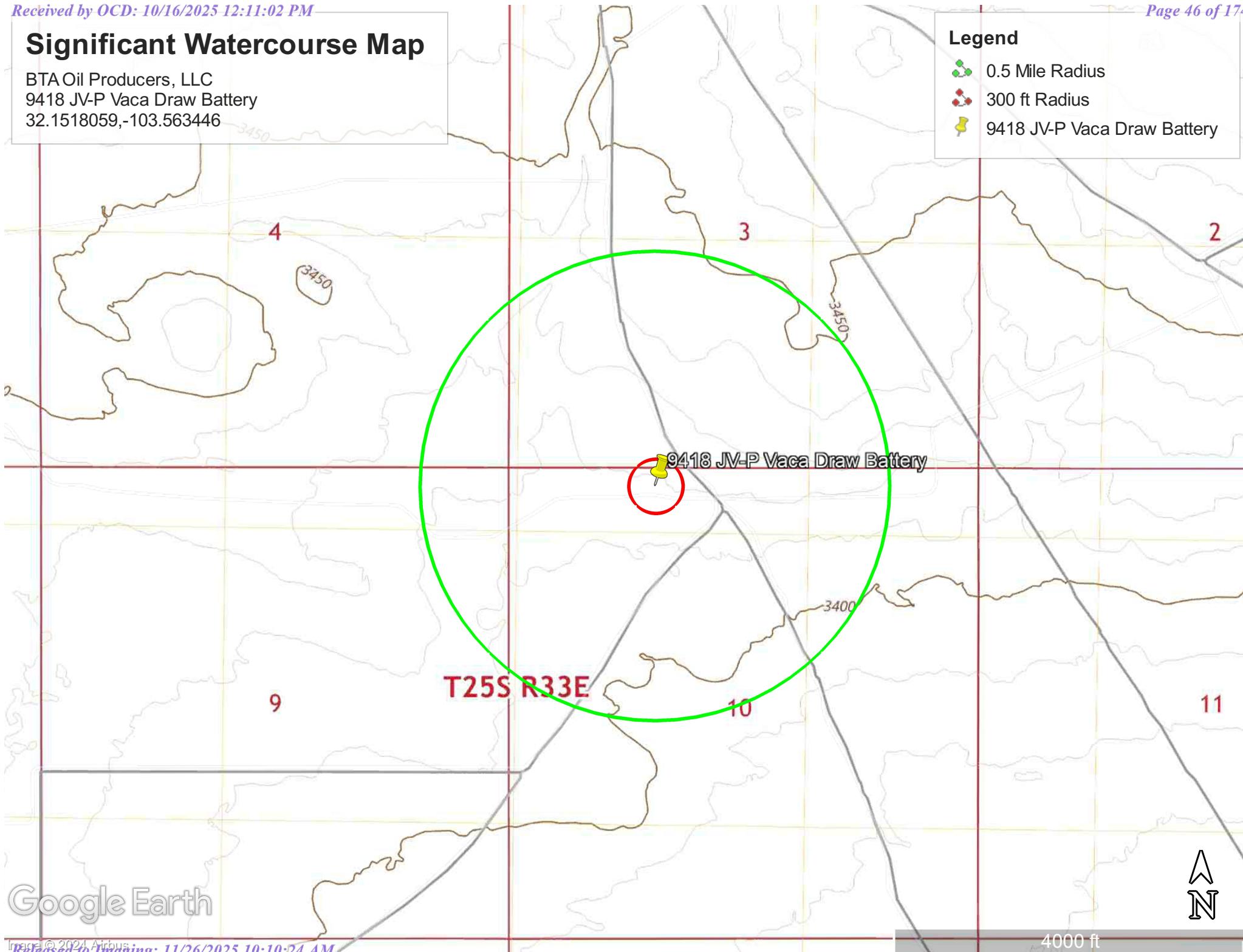


Significant Watercourse Map

BTA Oil Producers, LLC
9418 JV-P Vaca Draw Battery
32.1518059,-103.563446

Legend

- 0.5 Mile Radius
- 300 ft Radius
- 9418 JV-P Vaca Draw Battery





National Wetlands Inventory

Wetlands Map



November 8, 2024

Wetlands

	Estuarine and Marine Deepwater
	Estuarine and Marine Wetland

	Freshwater Emergent Wetland
	Freshwater Forested/Shrub Wetland
	Freshwater Pond
	Lake
	Other
	Riverine

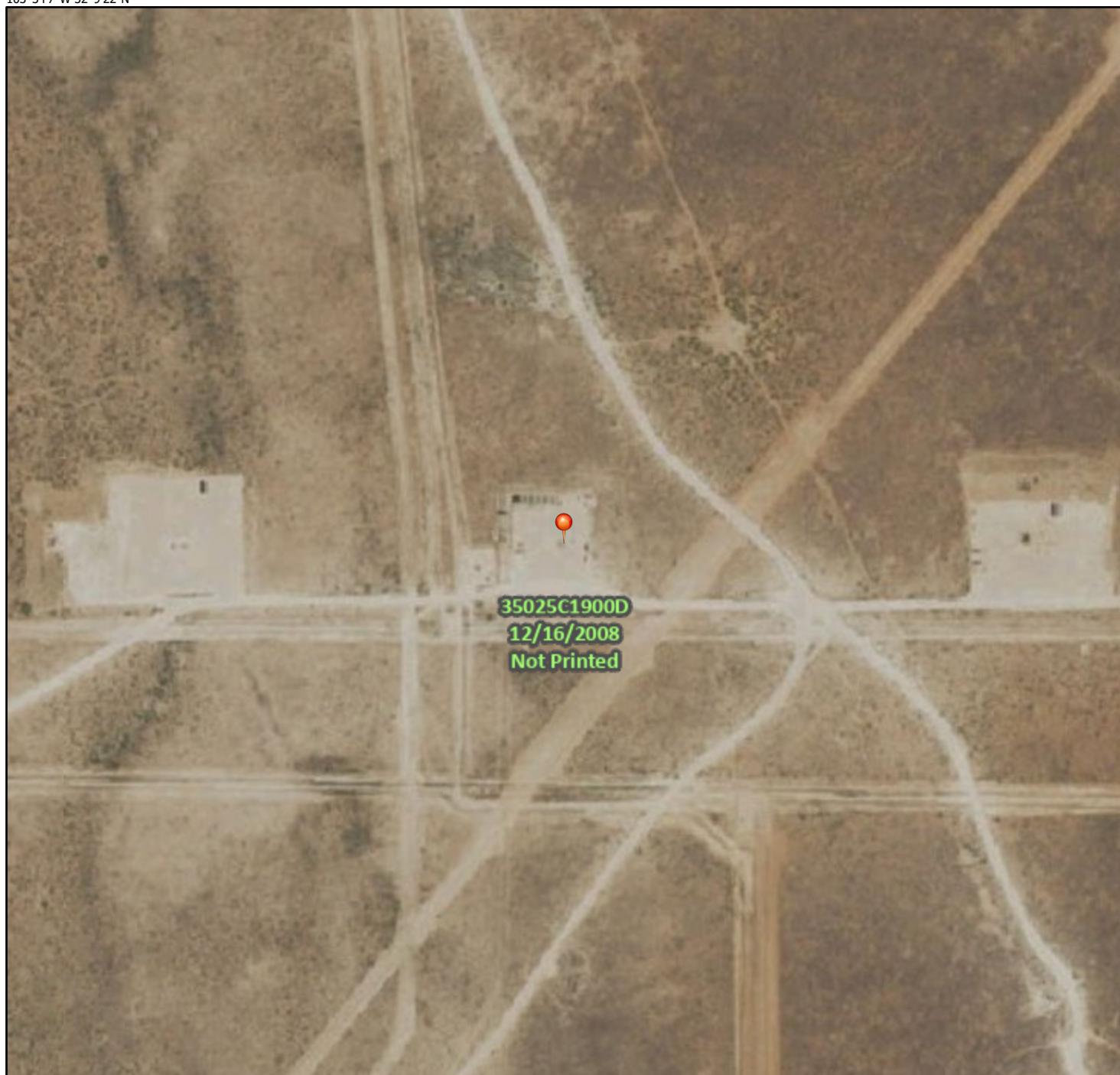
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette

103°34'7"W 32°9'22"N



FEMA



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

OTHER AREAS

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- Cross Sections with 1% Annual Chance

- Water Surface Elevation

- Coastal Transect

- Base Flood Elevation Line (BFE)

- Limit of Study

- Jurisdiction Boundary

- Coastal Transect Baseline

- Profile Baseline

- Hydrographic Feature

OTHER FEATURES

- Digital Data Available

- No Digital Data Available

MAP PANELS

- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/8/2024 at 6:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Photographic Log



PHOTOGRAPHIC LOG
BTA Oil Producers
9418 JV-P Vaca Draw Battery

Photograph No. 1

Facility: 9418 JV-P Vaca Draw Battery

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities

**Photograph No. 2**

Facility: 9418 JV-P Vaca Draw Battery

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities

**Photograph No. 3**

Facility: 9418 JV-P Vaca Draw Battery

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities



PHOTOGRAPHIC LOG
BTA Oil Producers
9418 JV-P Vaca Draw Battery

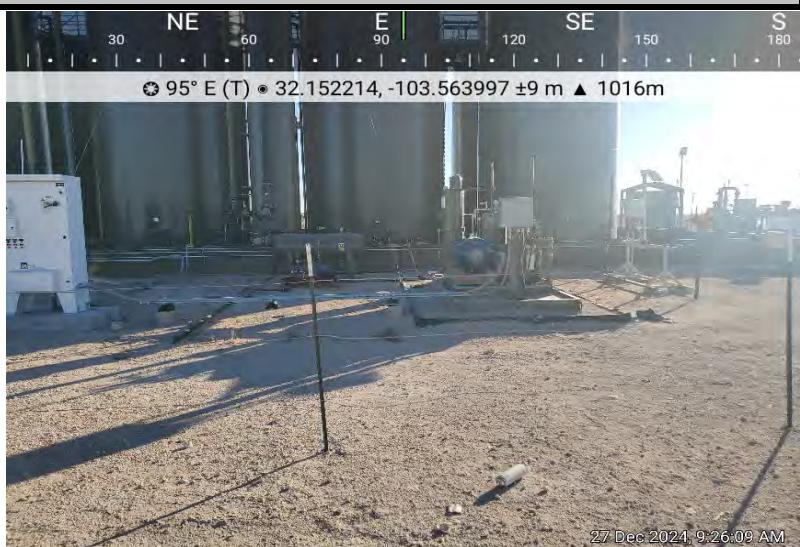
Photograph No. 4

Facility: 9418 JV-P Vaca Draw Battery

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities

**Photograph No. 5**

Facility: 9418 JV-P Vaca Draw Battery

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities

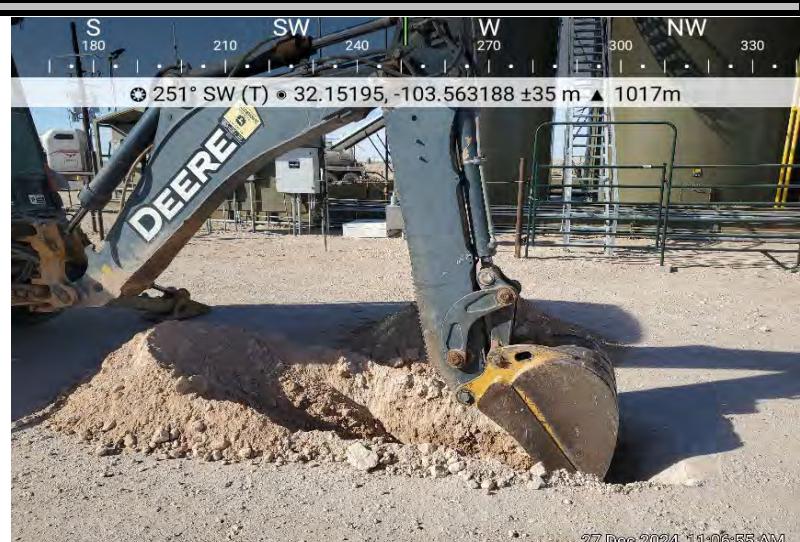
**Photograph No. 6**

Facility: 9418 JV-P Vaca Draw Battery

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities



Laboratory Reports and Chain-of-Custody Documents





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

January 02, 2025

ETHAN SESSUMS
NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND, TX 79706

RE: 9418 JV-P VACA DRAW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/27/24 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 1 SURFACE (H247771-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	12/27/2024	ND	1.94	96.9	2.00	4.47	
Toluene*		<0.050	0.050	12/27/2024	ND	2.00	100	2.00	4.63	
Ethylbenzene*		<0.050	0.050	12/27/2024	ND	1.94	97.1	2.00	4.75	
Total Xylenes*		<0.150	0.150	12/27/2024	ND	5.71	95.1	6.00	4.56	
Total BTEX		<0.300	0.300	12/27/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		48.0	16.0	12/27/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	12/27/2024	ND	245	122	200	7.89	
DRO >C10-C28*		<10.0	10.0	12/27/2024	ND	224	112	200	6.46	
EXT DRO >C28-C36		<10.0	10.0	12/27/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 1 1' (H247771-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	1.94	96.9	2.00	4.47		
Toluene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	4.63		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	1.94	97.1	2.00	4.75		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.71	95.1	6.00	4.56		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 1 2' (H247771-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	1.94	96.9	2.00	4.47		
Toluene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	4.63		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	1.94	97.1	2.00	4.75		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.71	95.1	6.00	4.56		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 2 SURFACE (H247771-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 2 1' (H247771-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 2 2' (H247771-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 2 3' (H247771-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 3 SURFACE (H247771-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 3 1' (H247771-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 3 2' (H247771-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/27/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	245	122	200	7.89		
DRO >C10-C28*	29.0	10.0	12/27/2024	ND	224	112	200	6.46		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 4 SURFACE (H247771-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	2.09	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	0.093	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	0.488	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	2.67	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	12/30/2024	ND	448	112	400	0.00	QM-07	
TPH 8015M										

Analyte		Result		Reporting Limit		Analyzed		Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.2		10.0			12/27/2024		ND		202	101	200	3.46	
DRO >C10-C28*	<10.0		10.0			12/27/2024		ND		209	105	200	4.05	
EXT DRO >C28-C36	<10.0		10.0			12/27/2024		ND						

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 4 1' (H247771-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	0.067	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	18.8	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	10.4	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 4 2' (H247771-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 4 3' (H247771-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	27.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	11.4	10.0	12/27/2024	ND					S-04	

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 155 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 5 SURFACE (H247771-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 5 1' (H247771-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/30/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/30/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/30/2024	ND						

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 5 2' (H247771-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/30/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/30/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/30/2024	ND						

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 6 SURFACE (H247771-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	67.7	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	47.5	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 6 1' (H247771-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/30/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/30/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/30/2024	ND						

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 6 2' (H247771-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 6 3' (H247771-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: V - 7 SURFACE (H247771-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	24.6	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	28.8	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 7 1' (H247771-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.23	112	2.00	0.763		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.09	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.25	104	6.00	4.39		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: V - 7 2' (H247771-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/30/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/30/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/30/2024	ND						

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: H - 1 0-6" (H247771-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: H - 2 0-6" (H247771-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	12.3	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: H - 3 0-6" (H247771-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: H - 4 0-6" (H247771-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	12/27/2024	Sampling Date:	12/27/2024
Reported:	01/02/2025	Sampling Type:	Soil
Project Name:	9418 JV-P VACA DRAW BATTERY	Sampling Condition:	Cool & Intact
Project Number:	249317	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: H - 5 0-6" (H247771-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/30/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/30/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/30/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: H - 6 0-6" (H247771-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/30/2024	ND	202	101	200	3.46		
DRO >C10-C28*	<10.0	10.0	12/30/2024	ND	209	105	200	4.05		
EXT DRO >C28-C36	<10.0	10.0	12/30/2024	ND						

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/27/2024 Sampling Date: 12/27/2024
 Reported: 01/02/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 249317 Sample Received By: Tamara Oldaker
 Project Location: BTA - LEA CO NM

Sample ID: H - 7 0-6" (H247771-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2024	ND	2.00	100	2.00	2.46		
Toluene*	<0.050	0.050	12/27/2024	ND	2.08	104	2.00	2.11		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.01	101	2.00	2.31		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	5.88	98.0	6.00	1.82		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/30/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/27/2024	ND	209	105	200	1.13		
DRO >C10-C28*	<10.0	10.0	12/27/2024	ND	202	101	200	5.40		
EXT DRO >C28-C36	<10.0	10.0	12/27/2024	ND						

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Notes and Definitions

S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

 Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



NTG
ENVIRONMENTAL

Chain of Custody

Work Order No: H247771

Page 1 of 4

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> superfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/>
Reporting Level III	<input type="checkbox"/>
ADaPT	<input type="checkbox"/>
Other:	
Level I	<input type="checkbox"/>
Level IV	<input type="checkbox"/>
Level V	<input type="checkbox"/>
RRP	<input type="checkbox"/>
PST/UST	<input type="checkbox"/>

Project Manager:	Ethan Sessums	Bill to: (if different)	Ray Ramos
Company Name:	NTG Environmental	Company Name:	BTA Oil Producers
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntgglobal.com

Additional Comments:

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Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		12-27-24 12:30 ²			
3			4		
5			6		



Chain of Custody

Work Order No: H247771Page 2 of 4

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Project Manager:	Ethan Sessums	Bill to: (if different)	Ray Ramos
Company Name:	NTG Environmental	Company Name:	BTA Oil Producers
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	essums@ntglobal.com

Program: UST/PST	<input type="checkbox"/>	PRP	<input type="checkbox"/>	Brownfields	<input type="checkbox"/>	RRRC	<input type="checkbox"/>	Superfund	<input type="checkbox"/>
State of Project:									
Reporting: Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	PST/UST	<input type="checkbox"/>	RRP	<input type="checkbox"/>	Level IV	<input type="checkbox"/>

Deliverables: EDD ADAPT Other:

ANALYSIS REQUEST										Preservative Codes		
Project Name:	Turn Around			Pres. Code	Temp	Blank	Wet Ice	TAT	Received by:	Lab, if received by 4:30pm	None: NO	Dil Water: H ₂ O
	Project Number:	249317	<input checked="" type="checkbox"/> Routine									
Project Location:	Lea County, NM	Due Date:										
Sampler's Name:	Nick Hart											
PO #:												
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Thermometer ID:	H140						
Received in intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:	-0.6 ^o C									
Cooler/Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	0.8 ^o C									
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Corrected Temperature:	0.2 ^o C									
Total Containers:	31											
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont					
V-4	Surface	12/27/2024		X		Grab	1	X X X				
V-4	1'	12/27/2024		X		Grab	1	X X X				
V-4	2'	12/27/2024		X		Grab	1	X X X				
V-4	3'	12/27/2024		X		Grab	1	X X X				
V-5	Surface	12/27/2024		X		Grab	1	X X X				
V-5	1'	12/27/2024		X		Grab	1	X X X				
V-5	2'	12/27/2024		X		Grab	1	X X X				
V-5	3'	12/27/2024		X		Grab	1	X X X				
V-5	4'	12/27/2024		X		Grab	1	X X X				
V-5	5'	12/27/2024		X		Grab	1	X X X				
V-5	6'	12/27/2024		X		Grab	1	X X X				
V-5	7'	12/27/2024		X		Grab	1	X X X				
V-5	8'	12/27/2024		X		Grab	1	X X X				
V-5	9'	12/27/2024		X		Grab	1	X X X				
V-5	10'	12/27/2024		X		Grab	1	X X X				
V-5	11'	12/27/2024		X		Grab	1	X X X				
V-5	12'	12/27/2024		X		Grab	1	X X X				
V-5	13'	12/27/2024		X		Grab	1	X X X				
V-5	14'	12/27/2024		X		Grab	1	X X X				
V-5	15'	12/27/2024		X		Grab	1	X X X				
V-5	16'	12/27/2024		X		Grab	1	X X X				
V-5	17'	12/27/2024		X		Grab	1	X X X				
V-5	18'	12/27/2024		X		Grab	1	X X X				
V-5	19'	12/27/2024		X		Grab	1	X X X				
V-5	20'	12/27/2024		X		Grab	1	X X X				
V-5	21'	12/27/2024		X		Grab	1	X X X				
V-5	22'	12/27/2024		X		Grab	1	X X X				
V-5	23'	12/27/2024		X		Grab	1	X X X				
V-5	24'	12/27/2024		X		Grab	1	X X X				
V-5	25'	12/27/2024		X		Grab	1	X X X				
V-5	26'	12/27/2024		X		Grab	1	X X X				
V-5	27'	12/27/2024		X		Grab	1	X X X				
V-5	28'	12/27/2024		X		Grab	1	X X X				
V-5	29'	12/27/2024		X		Grab	1	X X X				
V-5	30'	12/27/2024		X		Grab	1	X X X				
V-5	31'	12/27/2024		X		Grab	1	X X X				
Sample Comments												



Chain of Custody

Work Order No: H247771

Page 3 of 4

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP
Brownfields	<input type="checkbox"/> RRC
Superfund	<input type="checkbox"/>
State of Project:	
Reporting Level:	<input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> P-UST/JUST <input type="checkbox"/> RRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Manager:	Ethan Sessums	Bill to: (if different)	Ray Ramos
Company Name:	NTG Environmental	Company Name:	BTX Oil Producers
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	essessums@ntglobal.com

ANALYSIS REQUEST					
Preservative Codes					
Project Name:	9418 JV-P Vaca Draw Battery	Turn Around	None: NO	DI Water: H ₂ O	
Project Number:	249317	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Cool: Cool	MeOH: Me	
Project Location:	Lea County, NM	Pres. Code:	HCl: HC	HNO ₃ : HN	
Sampler's Name:	Nick Hart	Due Date:	H ₂ SO ₄ : H ₂	NaOH: Na	
PO #:		TAT starts the day received by the lab, if received by 4:30pm	H ₃ PO ₄ : HP		
SAMPLE RECEIPT		Temp Blank:	NaHSO ₄ : NABIS		
Received Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes <input checked="" type="radio"/> No	Na ₂ S ₂ O ₃ : NaSO ₃		
Cooler Custody Seals:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Thermometer ID:	Zn Acetate+NaOH: Zn		
Sample Custody Seals:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Correction Factor:	NaOH+Ascorbic Acid: SACP		
Total Containers:	48	Temperature Reading:			
		Corrected Temperature:			
Sample Comments					
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water
V-6	3'	12/27/2024		X	Grab
V-7	Surface	12/27/2024		X	Grab
V-7	1'	12/27/2024		X	Grab
V-7	2'	12/27/2024		X	Grab
H-1	0-6"	12/27/2024		X	Grab
H-2	0-6"	12/27/2024		X	Grab
H-3	0-6"	12/27/2024		X	Grab
H-4	0-6"	12/27/2024		X	Grab
H-5	0-6"	12/27/2024		X	Grab
H-6	0-6"	12/27/2024		X	Grab

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Weller</i>	<i>Weller</i>	12-27-24 12:02			
3		4			
5		6			



NTG
ENVIRONMENTAL

Chain of Custody

Work Order No:

Page 4 of 4

Page 37 of 37

Project Manager:	Ethan Sessums	Bill to: (if different)	Ray Ramos
Company Name:	NTG Environmental	Company Name:	BTA Oil Producers
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntgglobal.com

Work Order Comments	
Program: US/JPST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level	<input type="checkbox"/> II <input type="checkbox"/> Level III <input type="checkbox"/> P/ST/JUST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	<input type="checkbox"/> EDD <input type="checkbox"/> Adapt <input type="checkbox"/> Other:

Project Name:		Turn Around		ANALYSIS REQUEST	
Project Number:	9418 JV-P Vacu Draw Battery	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code	
Project Location	Lea County, NM	Due Date:			
Sampler's Name:	Nick Hart	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	-0.6°C		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	0.88		
Total Containers:	16131	Corrected Temperature:	0.2°C		
Parameters					
TPH 8015					
BTEX 8021B					
Chloride 4500					
HOLD					

Preservative Codes	None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me	
HCL: HC	HNO ₃ : HN	
H ₂ SO ₄ : H ₂	NaOH: Na	
H ₃ PO ₄ : HP		
NaHSO ₄ : NABS		
Na ₂ S ₂ O ₃ : NaSO ₃		
Zn Acetate+NaOH: Zn		
NaOH+Ascorbic Acid: SAPC		

Additional Comments:

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Additional Comments:

APPENDIX E

CARMONA RESOURCES

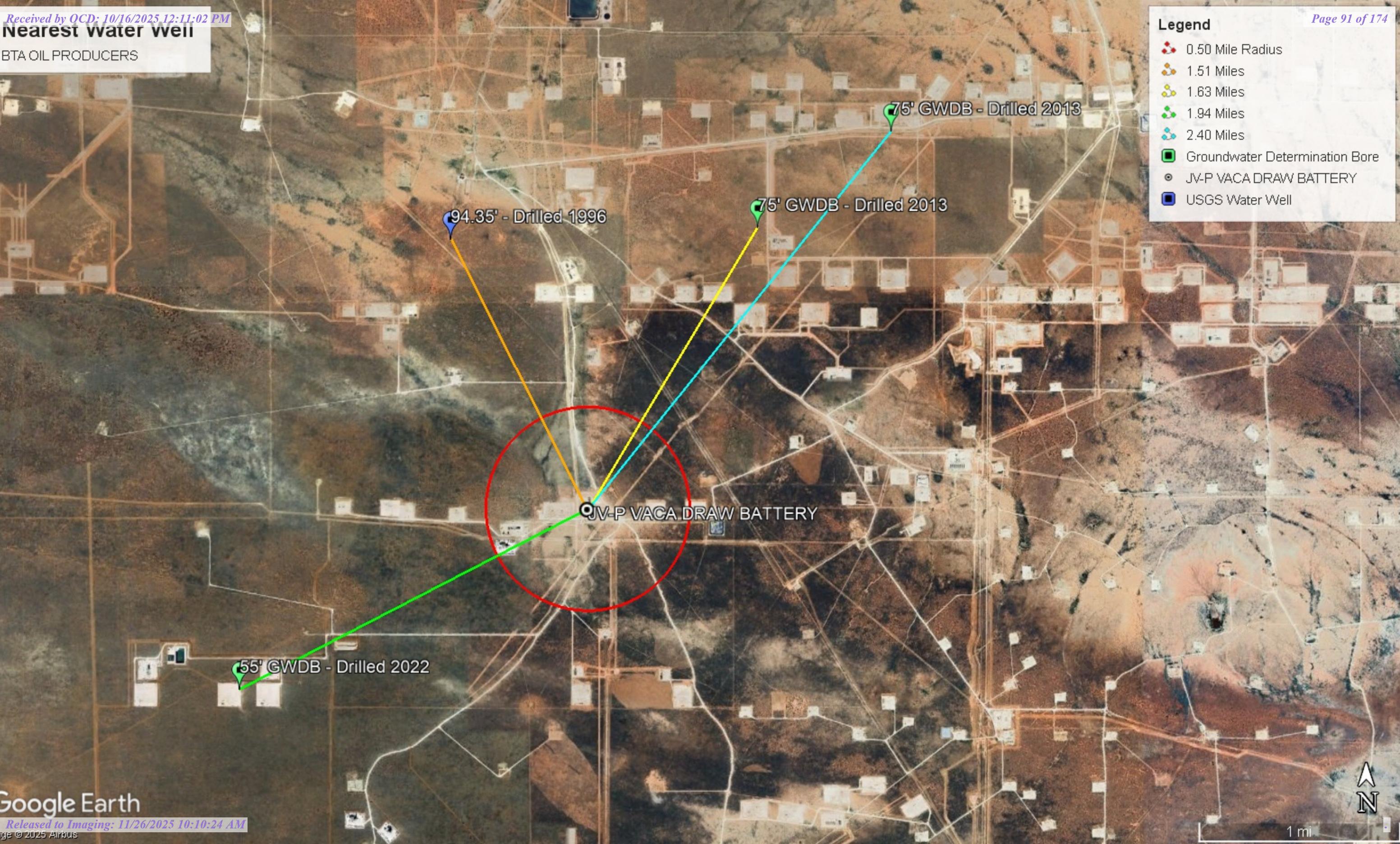


Nearest water well

BTA OIL PRODUCERS

Legend

- 0.50 Mile Radius
- 1.51 Miles
- 1.63 Miles
- 1.94 Miles
- 2.40 Miles
- Groundwater Determination Bore
- JV-P VACA DRAW BATTERY
- USGS Water Well



Legend

- JV-P VACA DRAW BATTERY
- Low

● JV-P VACA DRAW BATTERY



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	(meters)		(In feet)	
														Well Depth	Depth Water	Water Column	
C_03603 POD6		CUB	LE	SW	NW	SW	35	24S	33E	636749.3	3560447.2		2609				
C_02564		CUB	LE	NE	SE	NE	33	24S	33E	634839.0	3560923.0 *		2787	120			
C_02563		CUB	LE	NW	SE	NE	33	24S	33E	634639.0	3560923.0 *		2836	120			
C_02311		CUB	LE	NE	SW	NE	33	24S	33E	634391.1	3560877.7		2872	120	70	50	
C_02310		CUB	LE	NE	SE	NE	33	24S	33E	634419.7	3560893.5		2877	120	70	50	
C_03603 POD5		CUB	LE	SW	SW	NE	35	24S	33E	636745.0	3560767.5		2887				
C_04627 POD1		CUB	LE	SW	SW	SE	08	25S	33E	632665.4	3556725.4		3129				
C_04699 POD1		CUB	LE	NE	NW	SE	22	25S	33E	635709.0	3554978.3		3232	80			
C_03603 POD3		CUB	LE	SE	NW	NW	35	24S	33E	636889.9	3561092.9		3243				
C_03603 POD4		CUB	LE	SW	NE	SE	35	24S	33E	637789.1	3560461.3		3271				
C_02373 CLW317846	O	CUB	LE	NE	NW	NW	13	25S	33E	638518.0	3556544.0 *		3505	625	185	440	
C_02312		CUB	LE	NW	NE	NW	05	25S	33E	632291.6	3559772.1		3508	150	90	60	
C_03603 POD2		CUB	LE	SW	NW	NE	35	24S	33E	637384.0	3561167.3		3556				
C_02373 S		CUB	LE	NW	NE	NW	13	25S	33E	638721.0	3556549.0 *		3683	625	185	440	
C_03603 POD1		CUB	LE	SW	NE	NE	35	24S	33E	637804.9	3561225.4		3849				
C_03600 POD7		CUB	LE	SW	NW	SW	26	24S	33E	636726.2	3561968.5		3988				

Average Depth to Water: **120 feet**Minimum Depth: **70 feet**Maximum Depth: **185 feet****Record Count: 16****UTM Filters (in meters):****Easting:** 635427.00**Northing:** 3558198.00**Radius:** 4000

* UTM location was derived from PLSS - see Help

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.



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- Due to a lapse in government funding, the majority of USGS websites will not be updated except to provide important public safety information. Websites displaying real-time water data will be updated with limited support. For more information please see www.doi.gov/shutdown.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

! Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 321017103343201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload**USGS 321017103343201 24S.33E.33.23231**

Lea County, New Mexico

Latitude 32°10'17", Longitude 103°34'32" NAD27

Land-surface elevation 3,475 feet above NAVD88

This well is completed in the Other aquifers (N99990THER) national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1954-03-17		D	62610		3380.19	NGVD29	1		Z		A
1954-03-17		D	62611		3381.85	NAVD88	1		Z		A
1954-03-17		D	72019	93.15			1		Z		A
1976-01-22		D	62610		3381.29	NGVD29	1		Z		A
1976-01-22		D	62611		3382.95	NAVD88	1		Z		A
1976-01-22		D	72019	92.05			1		Z		A
1981-03-20		D	62610		3380.53	NGVD29	1		Z		A
1981-03-20		D	62611		3382.19	NAVD88	1		Z		A
1981-03-20		D	72019	92.81			1		Z		A
1986-03-11		D	62610		3378.77	NGVD29	1		Z		A
1986-03-11		D	62611		3380.43	NAVD88	1		Z		A
1986-03-11		D	72019	94.57			1		Z		A
1991-06-06		D	62610		3378.72	NGVD29	1		Z		A
1991-06-06		D	62611		3380.38	NAVD88	1		Z		A
1991-06-06		D	72019	94.62			1		Z		A
1996-03-01		D	62610		3378.99	NGVD29	1		S		A
1996-03-01		D	62611		3380.65	NAVD88	1		S		A
1996-03-01		D	72019	94.35			1		S		A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for New Mexico: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-10-13 10:25:28 EDT

0.38 0.29 nadww02





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

1. GENERAL AND WELL LOCATION		OSE POD NUMBER (WELL NUMBER)			OSE FILE NUMBER (OPTIONAL)		
		BH 29			C3603; 518404		
		WELL OWNER NAME(S)			PHONE (OPTIONAL)		
		INTERCONTINENTAL POTASH CORP					
WELL OWNER MAILING ADDRESS		CITY			STATE	ZIP	
600 W. BENDER BLVD.		HOBBS			NM	88240	
WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
	LATITUDE	32	10				20.0
	LONGITUDE	103	32	58.5	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
T24S; R 33E; SECTION 35							
LICENSE NUMBER		NAME OF LICENSED DRILLER			NAME OF WELL DRILLING COMPANY		
WD-1186		RODNEY HAMMER			ENVIRO-DRILL, INC.		
DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)		
01-13-13	01-13-13			75'	N/A		
COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		
DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input checked="" type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: AUGER							
DEPTH (feet bgl)	BORE HOLE	CASING MATERIAL AND/OR GRADE		CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	
FROM	TO	DIAM (inches)	(include each casing string, and note sections of screen)			SLOT SIZE (inches)	
0	75	8"	N/A		N/A	N/A	
DEPTH (feet bgl)		BORE HOLE	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL			AMOUNT (cubic feet)	
FROM	TO	DIAM. (inches)				METHOD OF PLACEMENT	
FOR OSE INTERNAL USE							
FILE NUMBER		POD NUMBER		WR-20 WELL RECORD & LOG (Version 06/08/2012)			
C - 3603		6		TRN NUMBER 518404			
LOCATION		T 24S - R 33E - Sec 35.313		PAGE 1 OF 2			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3603	POD NUMBER	6	TRN NUMBER	
LOCATION	T24S - R33E - SEC. 35.313				PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)			WELL TAG ID NO. N/A		OSE FILE NO(S). C-4627			
	WELL OWNER NAME(S) Devon Energy			PHONE (OPTIONAL) 575-748-1838					
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy			CITY Artesia		STATE NM	ZIP 88210		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	32	MINUTES 8	SECONDS 20.92	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	35	36.25	W	* DATUM REQUIRED: WGS 84		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SE Sec.8 T25S R33S NMPM								
	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 6/7/2022		DRILLING ENDED 6/7/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)	N/A	DATE STATIC MEASURED 6/13/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:								
DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS <input type="checkbox"/> INSTALLED				
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	55	±6.5	Boring-HSA		--	--	--	--	
2. DRILLING & CASING INFORMATION									
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								
3. ANNULAR MATERIAL									
OSE DIT JUN 18 2022 PM 3:10									

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. <u>C-4627-POD 1</u>	POD NO. <u>1</u>	TRN NO. <u>726174</u>
LOCATION <u>25.33.08.334</u>	WELL TAG ID NO. <u></u>	PAGE 1 OF 2

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4627-201

POD NO.

TRN NO. 726 174

DATA

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

DATE

LOCATION

WELL TAGGING

PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726174
File Nbr: C 04627
Well File Nbr: C 04627 POD1

Jun. 18, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/18/2022, stating that it had been completed on 06/07/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink that reads "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

June 8, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4627 Pod1 at Flagler 8 Fed 20

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4627 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is fluid and cursive, with "Lucas" on the top line and "Middleton" on the bottom line.

Lucas Middleton

Enclosures: as noted above

DSE DII JUN 16 2022 PM3:10



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

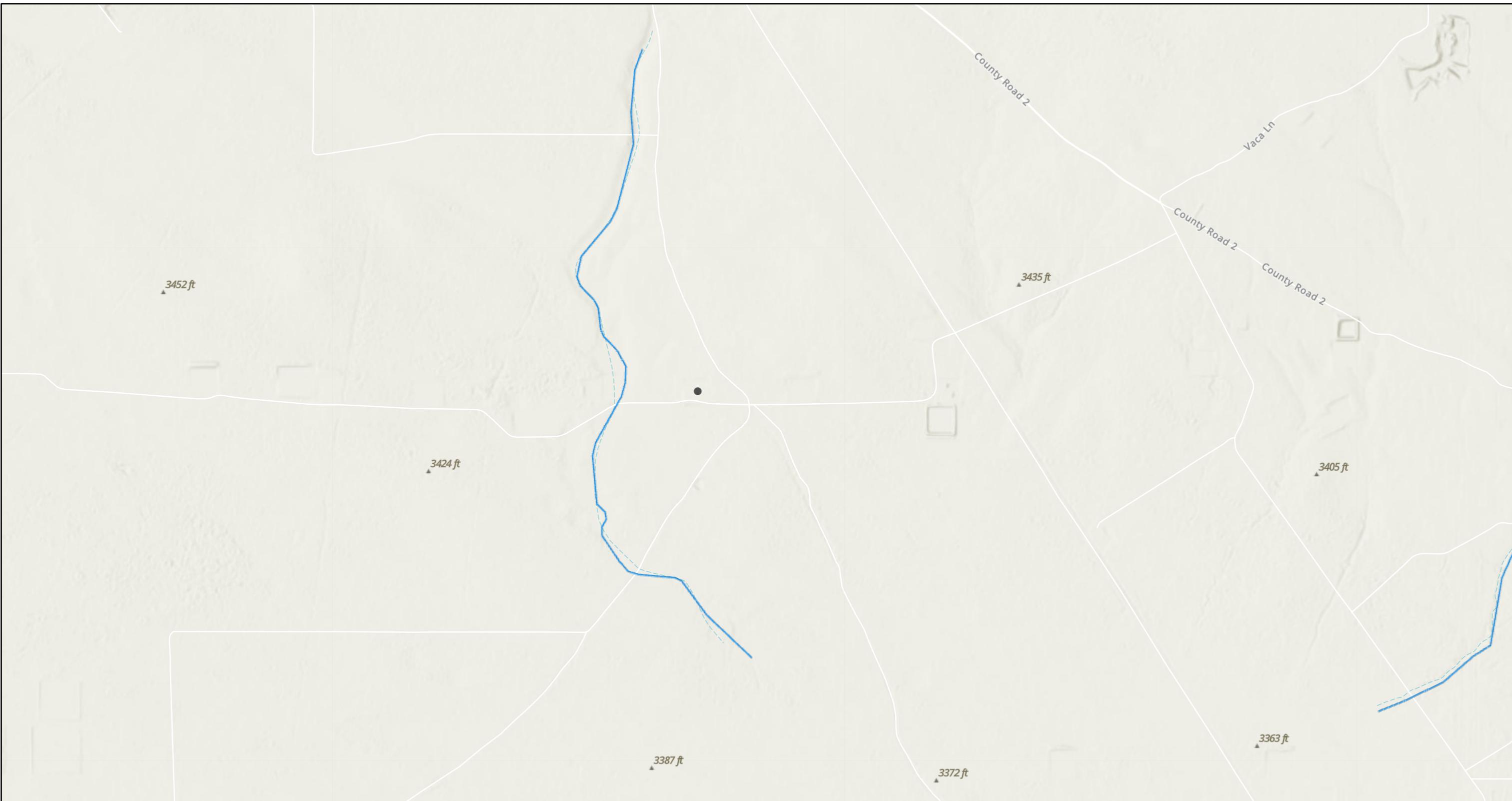
1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) BH 24			OSE FILE NUMBER(S) C3603; 518404 JAN 30 2013 P 11.01				
	WELL OWNER NAME(S) INTERCONTINENTAL POTASH CORP			PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS 600 W. BENDER BLVD.			CITY HOBBS	STATE NM	ZIP 88240		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	10	MINUTES 44.8	SECONDS N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	32	17.8	W		
	* DATUM REQUIRED: WGS 84							
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE T24S; R 33E; SECTION 35							
	LICENSE NUMBER WD-1186		NAME OF LICENSED DRILLER RODNEY HAMMER			NAME OF WELL DRILLING COMPANY ENVIRO-DRILL, INC.		
	DRILLING STARTED 01-10-13	DRILLING ENDED 01-10-13	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 75'		DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input checked="" type="radio"/> ARTESIAN <input checked="" type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)		STATIC WATER LEVEL IN COMPLETED WELL (FT)					
DRILLING FLUID: <input checked="" type="radio"/> AIR <input checked="" type="radio"/> MUD		ADDITIVES - SPECIFY:						
DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input checked="" type="radio"/> HAMMER <input checked="" type="radio"/> CABLE TOOL <input checked="" type="radio"/> OTHER - SPECIFY: AUGER								
DEPTH (feet bgf)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
FROM 0	TO 75	8"	N/A		N/A	N/A	N/A	N/A
DEPTH (feet bgf)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL			AMOUNT (cubic feet)	METHOD OF PLACEMENT	
FROM	TO							
FOR OSE INTERNAL USE								
FILE NUMBER C-3603			POD NUMBER 1			WR-20 WELL RECORD & LOG (Version 06/08/2012) TRN NUMBER 518404		
LOCATION T 24S - R 33E - Sec 35, 223						PAGE 1 OF 2		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3603	POD NUMBER	1	TRN NUMBER	
LOCATION	T 24S - R 33E - SEC 35, 223			PAGE 2 OF 2	

JV-P VACA DRAW BATTERY



10/13/2025, 8:47:22 AM

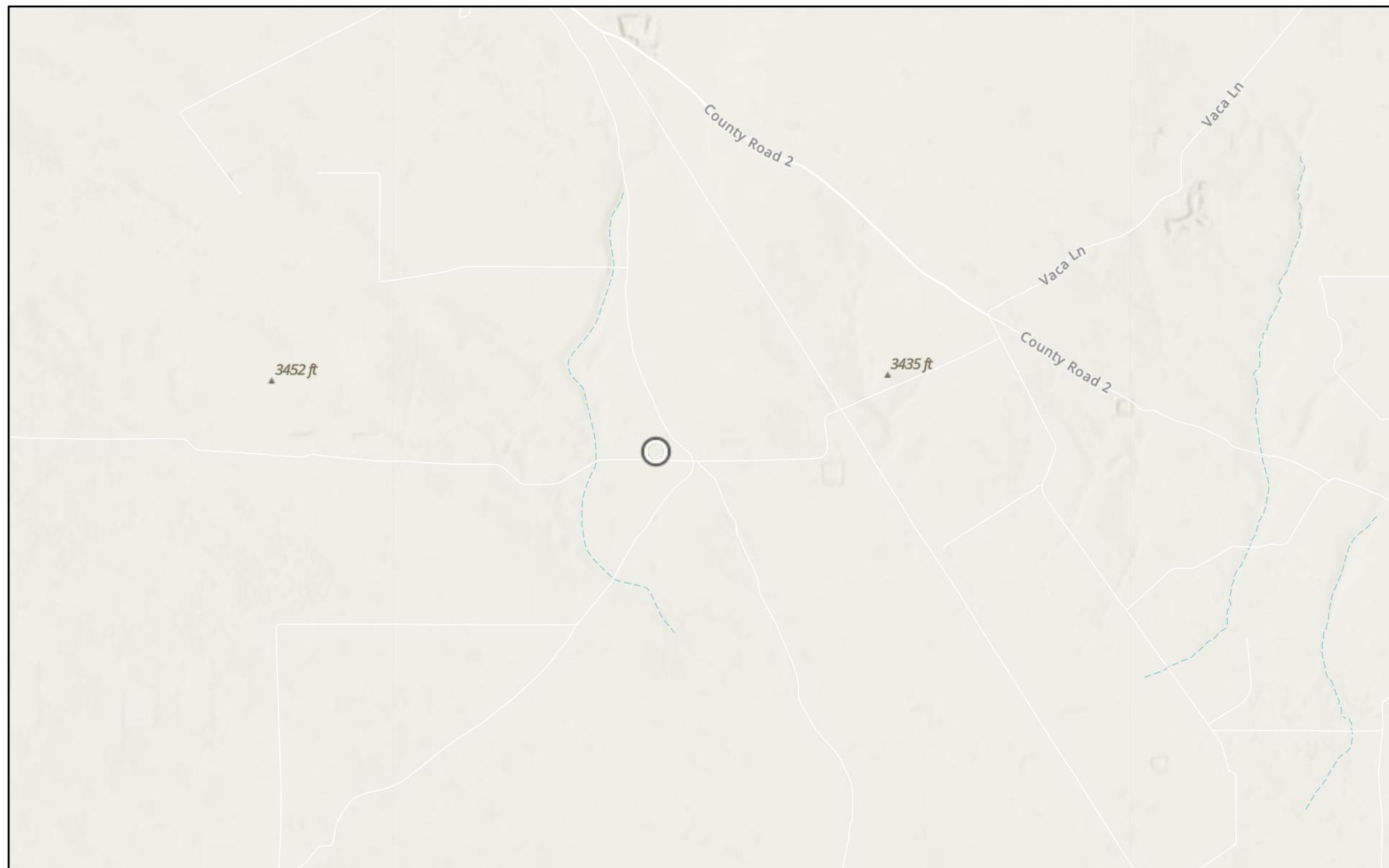
1:18,056

OSE Streams

0 0.17 0.35 0.7 mi
0 0.3 0.6 1.2 km

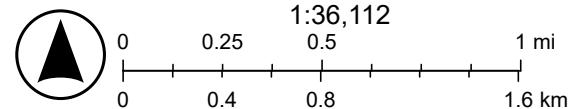
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

JV-P VACA DRAW BATTERY



10/13/2025

World_Hillshade



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

APPENDIX F

CARMONA RESOURCES





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

October 15, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: 9418 JV-P VACA DRAW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/14/25 15:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: H - 1 (0-0.5') (H256449-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/15/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	189	94.3	200	3.48		
DRO >C10-C28*	13.8	10.0	10/15/2025	ND	193	96.6	200	2.62		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 81.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: H - 2 (0-0.5') (H256449-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/15/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	189	94.3	200	3.48		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	193	96.6	200	2.62		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 86.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: H - 3 (0-0.5') (H256449-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	189	94.3	200	3.48		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	193	96.6	200	2.62		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 79.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: H - 4 (0-0.5') (H256449-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	201	101	200	7.04		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	7.46		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 79.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H256049

Page 7 of 7

Project Manager:	Ashton Thielke	Bill to: (if different)	Noah Tinker
Company Name:	Camrona Resources	Company Name:	BTA Oil Producers, LLC
Address:	310 W Wall St Ste 500	Address:	104 S Pecos St
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ntinker@btaoil.com

Work Order Comments		Page <u>1</u> of <u>1</u>				
Program: USIT/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> IRC	<input type="checkbox"/> Superfund	<input type="checkbox"/>	
State of Project:						
Reporting Level	<input type="checkbox"/> Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP	<input type="checkbox"/> Level IV	<input type="checkbox"/>
Deliverables:	<input type="checkbox"/> EDD	<input type="checkbox"/> ADaPT	<input type="checkbox"/> Other:			

12:11:02 PM

Relinquished by: (Signature) John J. Murphy No Labels

Relinquished by: (Signature)

Date/Time

四

Date/Time

subject of world

Oppen

10/14/2015/15a

Comments:



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

October 15, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: 9418 JV-P VACA DRAW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/14/25 15:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 1 (0.5') (H256451-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22	
Toluene*		<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13	
Ethylbenzene*		<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744	
Total Xylenes*		<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681	
Total BTEX		<0.300	0.300	10/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		128	16.0	10/15/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	10/15/2025	ND	201	101	200	7.04	
DRO >C10-C28*		<10.0	10.0	10/15/2025	ND	222	111	200	7.46	
EXT DRO >C28-C36		<10.0	10.0	10/15/2025	ND					

Surrogate: 1-Chlorooctane 69.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 2 (0.5') (H256451-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	201	101	200	7.04		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	7.46		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 80.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 3 (0.5') (H256451-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2025	ND	432	108	400	3.77		
TPH 8015M										

Analyte		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	201	101	200	7.04		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	7.46		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 81.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 4 (0.5') (H256451-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	216	108	200	0.373		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	2.10		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 82.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 5 (0.5') (H256451-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	216	108	200	0.373		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	2.10		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 78.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 6 (0.5') (H256451-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	216	108	200	0.373		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	2.10		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.1 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 7 (0.5') (H256451-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/15/2025	ND	432	108	400	3.77		
TPH 8015M	mg/kg		Analyzed By: MS							

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	216	108	200	0.373	
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.3 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 8 (0.5') (H256451-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2025	ND	432	108	400	3.77		
TPH 8015M										

Analyte		Result		Reporting Limit		Analyzed		Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0		10.0		10/15/2025		ND		216		108	200	0.373	
DRO >C10-C28*	<10.0		10.0		10/15/2025		ND		222		111	200	2.10	
EXT DRO >C28-C36	<10.0		10.0		10/15/2025		ND							

Surrogate: 1-Chlorooctane 87.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.5 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 9 (0.5') (H256451-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/15/2025	ND	432	108	400	3.77		
TPH 8015M	mg/kg									

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	205	103	200	7.20	
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	216	108	200	0.718	
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.4 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 10 (0.5') (H256451-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2025	ND	432	108	400	3.77		
TPH 8015M	mg/kg		Analyzed By: MS							

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	205	103	200	7.20	
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	216	108	200	0.718	
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.9 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 11 (0.5') (H256451-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/15/2025	ND	432	108	400	3.77		
TPH 8015M										

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	205	103	200	7.20	
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	216	108	200	0.718	
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.7 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 12 (0.5') (H256451-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	205	103	200	7.20		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	216	108	200	0.718		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 80.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.7 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 13 (0.5') (H256451-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	205	103	200	7.20		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	216	108	200	0.718		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 68.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.7 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 14 (0.5') (H256451-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 65.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 15 (0.5') (H256451-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 64.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 63.1 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 16 (0.5') (H256451-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 67.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.9 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 17 (0.5') (H256451-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 67.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.6 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 18 (0.5') (H256451-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 66.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.2 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 19 (0.5') (H256451-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 67.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.8 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 20 (0.5') (H256451-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 72.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.9 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 21 (0.5') (H256451-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 74.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.3 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 22 (0.5') (H256451-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 67.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 23 (0.5') (H256451-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 68.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 24 (0.5') (H256451-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 65.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 63.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 25 (0.5') (H256451-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 60.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 59.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 26 (0.5') (H256451-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 70.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.1 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 27 (0.5') (H256451-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 69.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.7 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 28 (0.5') (H256451-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 64.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.9 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 29 (0.5') (H256451-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 74.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 30 (0.5') (H256451-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 70.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 31 (0.5') (H256451-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 64.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 32 (0.5') (H256451-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 70.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.6 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 33 (0.5') (H256451-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	169	84.7	200	2.36		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	165	82.7	200	5.03		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 64.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 63.3 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 34 (0.5') (H256451-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/14/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 81.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 35 (0.5') (H256451-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	2.06	103	2.00	7.57		
Toluene*	<0.050	0.050	10/15/2025	ND	2.08	104	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	6.25	104	6.00	3.10		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 76.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.5 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 36 (0.5') (H256451-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2025	ND	432	108	400	0.00		
TPH 8015M										

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25	
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 37 (0.5') (H256451-37)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 80.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.7 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 38 (0.5') (H256451-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 64.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 58.0 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 39 (0.5') (H256451-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/15/2025	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 53.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 46.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 40 (0.5') (H256451-40)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 91.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 41 (0.5') (H256451-41)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 78.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: CS - 42 (0.5') (H256451-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2025	ND	1.83	91.4	2.00	3.77		
Toluene*	<0.050	0.050	10/15/2025	ND	1.91	95.6	2.00	1.22		
Ethylbenzene*	<0.050	0.050	10/15/2025	ND	1.91	95.4	2.00	0.357		
Total Xylenes*	<0.150	0.150	10/15/2025	ND	5.94	99.0	6.00	0.253		
Total BTEX	<0.300	0.300	10/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2025	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	200	100	200	8.25		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	204	102	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 87.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 123456

Page 46 of 49

Project Manager:	Ashton Thielke	Bill to: (if different)	Noah Tinker
Company Name:	Carmona Resources	Company Name:	BTA Oil Producers, LLC
Address:	310 W Wall St Ste 500	Address:	104 S Pecos St
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ntinker@blataoil.com

Work Order Comments				
Program: UST/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RRC	<input type="checkbox"/> Operfund
State of Project:				
Reporting Level:	<input type="checkbox"/> Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> STUST	<input type="checkbox"/> RRP
Deliverables:	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>
Other:				

ANALYSIS REQUEST				Preservative Codes	
Project Name:	9418 JV-P Vaca Draw Battery	Turn Around	Routine	Pres. Code	
Project Number:	2897		<input type="checkbox"/> Rush		
Project Location:	Lea County, New Mexico	Due Date:	24 Hour		
Sampler's Name:	KR				
PO #:					
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #140	Parameters	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: +0.3%	Temperature Reading: 51.0	BTEX 8021B	
Cooler/Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature: 49.7		TPH 8015M (GRO + DRO + MRO)	
Total Containers:				Chloride 4500	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Sample Comments
CS-11 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-12 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-13 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-14 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-15 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-16 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-17 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-18 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-19 (0.5')	10/14/2025	X	Comp	1	X	X	
CS-20 (0.5')	10/14/2025	X	Comp	1	X	X	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>K. Tinker</i>	10/14/2025	<i>DALE COOPER</i>	10/14/2025

Chain of Custody

Work Order No: 123456

Page 160 of 174

Page 47 of 49

Project Manager:	Ashton Thielke	Bill to (if different):	Noah Tinker
Company Name:	Carmona Resources	Company Name:	BTA Oil Producers, LLC
Address:	310 W Wall St Ste 500	Address:	104 S Pecos St.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ntinker@btaloil.com

Program: UST/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RRC	<input type="checkbox"/> Operfund
State of Project:				
Reporting Level:	<input type="checkbox"/> Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> STUST	<input type="checkbox"/> RRP
Deliverables:	<input type="checkbox"/> EDD	<input type="checkbox"/>	<input type="checkbox"/> ADAPT	<input type="checkbox"/> Other:

Project Name:	9418 JV-P Vaca Draw Battery	Turn Around	ANALYSIS REQUEST	Preservative Codes
Project Number:	2897	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	
Project Location:	Lea County, New Mexico	Due Date:	24 Hour	
Sampler's Name:	KR	Pres. Code:		

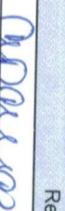
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	H1140	Correction Factor:	TO -3%
Cooler Custody Seal:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	45.0	Corrected Temperature:	45.0

BTEX 8021B
TPH 8015M (GRO + DRO + MRO)
Chloride 4500

Hold	NaOH: Na
H ₂ SO ₄ : H ₂	
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₃ : NaSO ₃	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Sample Comments
CS-21 (0.5')	10/14/2025		X		Comp	1	X X X
CS-22 (0.5')	10/14/2025		X		Comp	1	X X X
CS-23 (0.5')	10/14/2025		X		Comp	1	X X X
CS-24 (0.5')	10/14/2025		X		Comp	1	X X X
CS-25 (0.5')	10/14/2025		X		Comp	1	X X X
CS-26 (0.5')	10/14/2025		X		Comp	1	X X X
CS-27 (0.5')	10/14/2025		X		Comp	1	X X X
CS-28 (0.5')	10/14/2025		X		Comp	1	X X X
CS-29 (0.5')	10/14/2025		X		Comp	1	X X X
CS-30 (0.5')	10/14/2025		X		Comp	1	X X X

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/14/2025 1524		10/14/2025 1524

Chain of Custody

Work Order No: 1425051

Page 48 of 49

Project Manager:	Ashton Thielke	Bill to: (if different)	Noah Tinker
Company Name:	Carmona Resources	Company Name:	BTA Oil Producers, LLC
Address:	310 W Wall St Ste 500	Address:	104 S Pecos St.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ntinker@btaoil.com

Work Order Comments		Page <u>4</u> of <u>4</u>
Program: UST/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields
State of Project:	<input type="checkbox"/> IIRC	<input type="checkbox"/> Operfund
Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST
Deliverables: EDD	<input type="checkbox"/>	<input type="checkbox"/> RRP
	<input type="checkbox"/>	<input type="checkbox"/> Level IV
	<input type="checkbox"/>	<input type="checkbox"/> ADAPT
	<input type="checkbox"/>	Other:

Project Name:	9418 JV-P Vaca Draw Battery	Turn Around	
Project Number:	2897	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush
Project Location	Lea County, New Mexico	Due Date:	24 Hour
Sampler's Name:	KR	Pres. Code:	
PO #:			
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: <u>1111D</u>	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: <u>+0.3°</u>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading: <u>4.0</u>	
Total Containers:		Corrected Temperature: <u>4.0</u>	

ANALYSIS REQUEST							Preservative Codes	
							None: NO	DI Water: H ₂ O
							Cool: Cool	MeOH: Me
							HCl: HC	HNO ₃ : HN
							H ₂ SO ₄ : H ₂	NaOH: Na
							H ₃ PO ₄ : HP	
							NaHSO ₄ : NABIS	
							Na ₂ S ₂ O ₃ : NaSO ₃	
							Zn Acetate+NaOH: Zn	
							NaOH+Ascorbic Acid: SAPC	
Sample Identification							Sample Comments	
CS-31 (0.5')	10/14/2025	X	Soil	Water	Grab/ Comp	# of Cont		
CS-32 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-33 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-34 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-35 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-36 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-37 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-38 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-39 (0.5')	10/14/2025	X		Comp	1	X X X		
CS-40 (0.5')	10/14/2025	X		Comp	1	X X X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>John Tinker</i>	10/14/2025 10:14:50 AM	<i>John Tinker</i>	10/14/2025 10:14:50 AM

Chain of Custody

Page 162 of 174

Work Order No: W-28245

Page 5 of

Work Order Comments

Project Manager:	Ashton Thielke
Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500
City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988
Email:	mtinker@btadoll.com

Program: UST/PST	<input type="checkbox"/>
PRP	<input type="checkbox"/>
Brownfields	<input type="checkbox"/>
ERC	<input type="checkbox"/>
Perfund	<input type="checkbox"/>
Reporting: Level II	<input type="checkbox"/>
Level III	<input type="checkbox"/>
ST/JUST	<input type="checkbox"/>
RRP	<input type="checkbox"/>
Level IV	<input type="checkbox"/>

Deliverables: EDD	<input type="checkbox"/>
Adapt	<input type="checkbox"/>
Other	<input type="checkbox"/>

Sample Comments

Project Name: 9418 JV-P Vaca Draw Battery

Turn Around: Routine Rush

Pres. Code:

ANALYSIS REQUEST

Preservative Codes

Received Intact:	Yes <input checked="" type="radio"/> No <input type="radio"/>
Cooler/Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>
Sample Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>
Total Containers:	4.0

Temp Blank:	Yes <input checked="" type="radio"/> No <input type="radio"/>
Thermometer ID:	440
Correction Factor:	10.3
Temperature Reading:	4.0
Corrected Temperature:	4.0

BTEX 8021B
TPH 8015M (GRO + DRO + MRO)
Chloride 4500

Hold

NaHSO₄

NABIS

Na₂S₂O₃

NaSO₃

Zn Acetate+NaOH

Zn

NaOH+Ascorbic Acid

SAPC

None: NO

Cool: Cool

MeOH: Me

HCl: HC

H₂SO₄: H₂

H₃PO₄: HP

NaOH: Na

HNO₃: HN

Na₂CO₃: Na₂CO₃

Na₂SO₄: Na₂SO₄

Na₃PO₄: Na₃PO₄

Na₄SiO₄: Na₄SiO₄

Na₂SiO₃: Na₂SiO₃

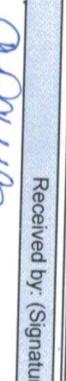
Na₂SiO₄: Na₂SiO₄

Page 49 of 49

Received by: OCD: 10/16/2025 12:11:02 PM

Relinquished by: (Signature) 

Date/Time

Received by: (Signature) 

Date/Time

Comments:

Released to Imaging: 11/26/2025 10:10:24 AM



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

October 15, 2025

ASHTON THIELKE
CARMONA RESOURCES
310 W WALL ST, SUITE 500
MIDLAND, TX 79701

RE: 9418 JV-P VACA DRAW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/14/25 15:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 10/14/2025 Sampling Date: 10/14/2025
 Reported: 10/15/2025 Sampling Type: Soil
 Project Name: 9418 JV-P VACA DRAW BATTERY Sampling Condition: Cool & Intact
 Project Number: 2897 Sample Received By: Alyssa Parras
 Project Location: BTA - LEA CO NM

Sample ID: BACKFILL SAMPLE (H256450-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2025	ND	2.06	103	2.00	4.22		
Toluene*	<0.050	0.050	10/14/2025	ND	1.96	97.8	2.00	3.13		
Ethylbenzene*	<0.050	0.050	10/14/2025	ND	1.97	98.5	2.00	0.744		
Total Xylenes*	<0.150	0.150	10/14/2025	ND	5.91	98.4	6.00	0.681		
Total BTEX	<0.300	0.300	10/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/15/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2025	ND	201	101	200	7.04		
DRO >C10-C28*	<10.0	10.0	10/15/2025	ND	222	111	200	7.46		
EXT DRO >C28-C36	<10.0	10.0	10/15/2025	ND						

Surrogate: 1-Chlorooctane 57.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 54.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No.

185(46)

Page 1 of 1

Page 4 of 4

Project Manager:	Ashton Thielke	Bill to: (if different)	Noah Tinker
Company Name:	Camrona Resources	Company Name:	BTA Oil Producers, LLC
Address:	310 W Wall St Ste 500	Address:	104 S Pecos St.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ntinker@btailoil.com

Work Order Comments	
Program: US/TIPST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADA/PT <input type="checkbox"/> Other:

Comments:

Relinquished by: (Signature)

NO. 19005

Received by OCD: 10/16/2025 12:11:02 PM

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QUESTIONS

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

Action 516202

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nJXK1611133725
Incident Name	NJXK1611133725 9418 JV-P VACA DRAW BATTERY @ FKJ1518152426
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fkj1518152426] 9418 JV-P Vaca Draw Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	9418 JV-P VACA DRAW BATTERY
Date Release Discovered	04/03/2016
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 34 BBL Recovered: 30 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Not answered.

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QUESTIONS, Page 2

Action 516202

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 10/16/2025
--	---

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QUESTIONS, Page 3

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Action 516202

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>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.</i>	
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	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	4240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	115.2
GRO+DRO (EPA SW-846 Method 8015M)	67.7
BTEX (EPA SW-846 Method 8021B or 8260B)	2.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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	10/14/2025
On what date will (or did) the final sampling or liner inspection occur	10/14/2025
On what date will (or was) the remediation complete(d)	10/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	8022
What is the estimated volume (in cubic yards) that will be remediated	149
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 516202

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
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: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 10/16/2025
--	---

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

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QUESTIONS, Page 5

Action 516202

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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QUESTIONS, Page 6

Action 516202

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	514676
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2025
What was the (estimated) number of samples that were to be gathered	48
What was the sampling surface area in square feet	8500

Remediation Closure Request	
<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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	8022
What was the total volume (cubic yards) remediated	149
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Area was mechanically scraped down to 0.5' based off of the remediation work plan. Composite confirmation floor samples were collected and horizontal samples were collected to replace sidewall samples due to the excavation being less than 1 foot deep, the area was backfilled with clean material to surface grade.

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: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 10/16/2025
--	---

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QUESTIONS, Page 7

Action 516202

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 516202

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516202
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	11/26/2025