



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.

NJXK161133725

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

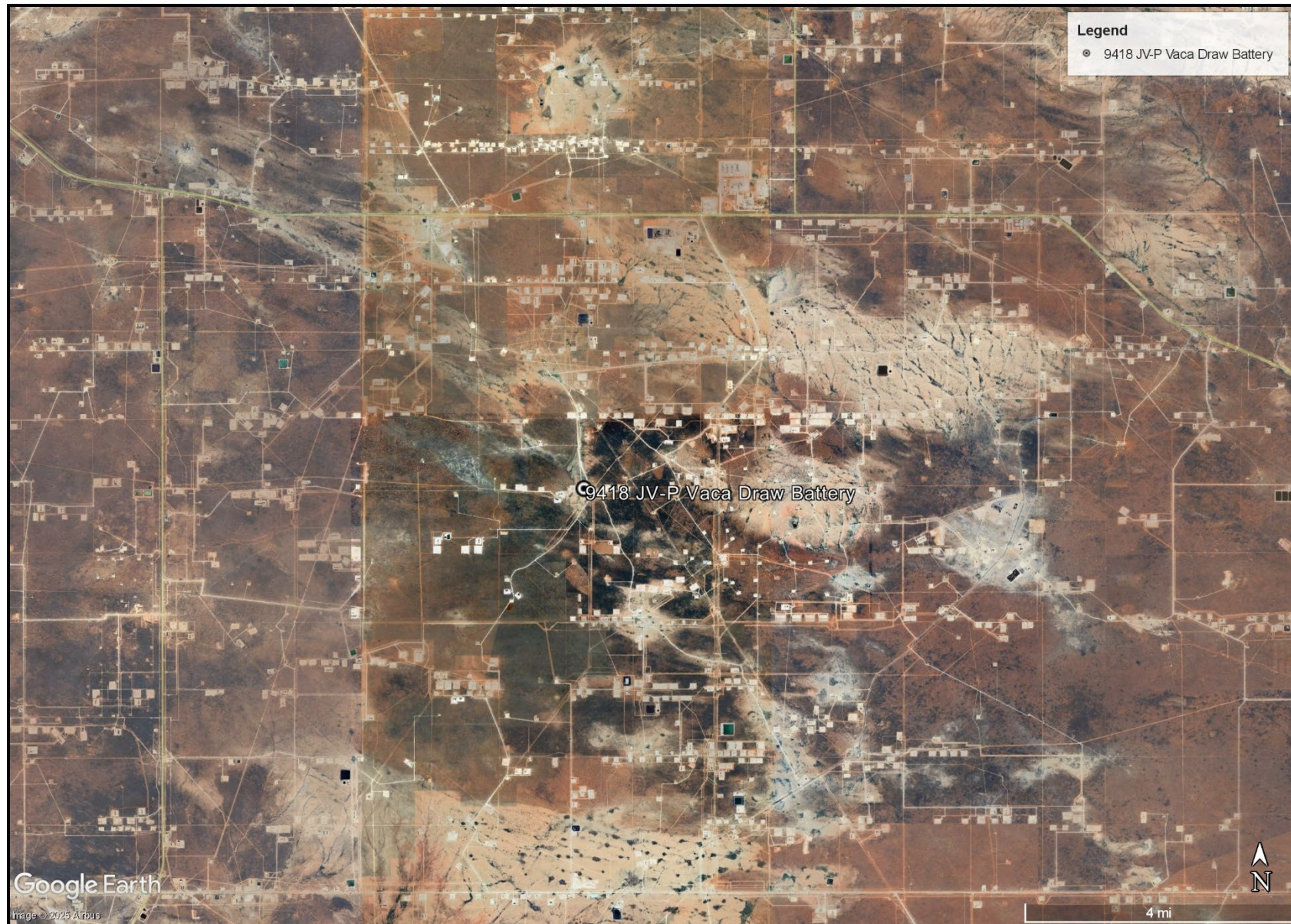
Ashton Thielke
Environmental Manager

Riley Plogger
Project Manager

FIGURES

CARMONA RESOURCES

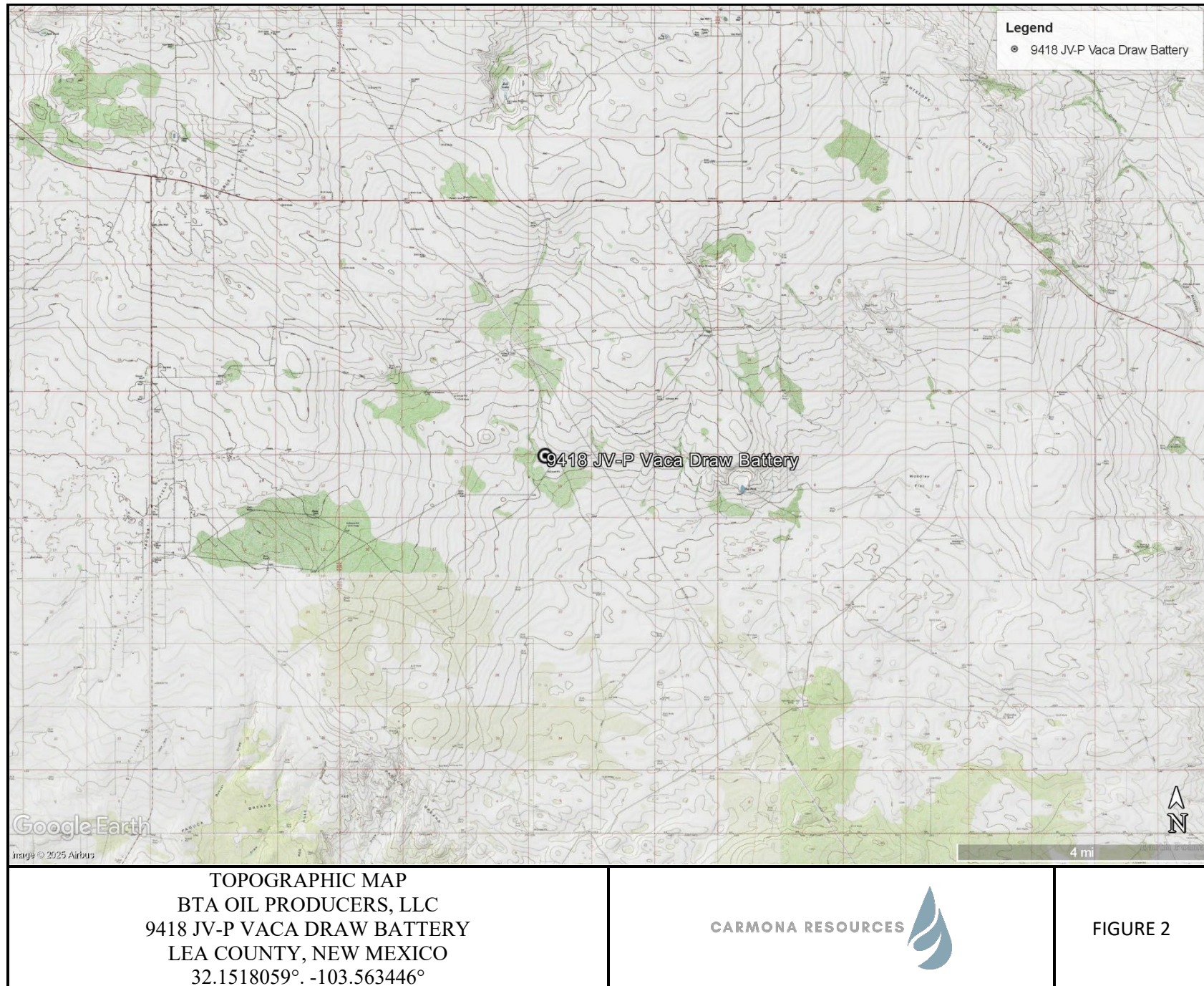




OVERVIEW MAP
BTA OIL PRODUCERS, LLC
9418 JV-P VACA DRAW BATTERY
LEA COUNTY, NEW MEXICO
32.1518059°. -103.563446°



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)	Ethylbenzene (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)	Ethylbenzene (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

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

RECEIVED

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

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

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.*

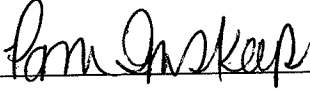

At approximately 12 pm, Saturday April 3, 2016, a passing Chevron employee passed by the location and observed a release. Our operations manager was contacted. The pumper immediately went to the battery and discovered that a gasket had given way at the separator, allowing a release of approx. 35 bbls 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	Approval Date:	04/20/2016	Expiration Date:
Title:	Regulatory Administrator			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
				Attached <input type="checkbox"/> IRP 4255

* Attach Additional Sheets If Necessary

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 "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

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
 Reported: 04/07/2016
 Project Name: VACA 4H CTB
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/06/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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, SM4500Cl-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		Analyzed By: MS						
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
 Reported: 04/07/2016
 Project Name: VACA 4H CTB
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/06/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: #2 (H600731-02)

BTX 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 BTX	9.25	0.300	04/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 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		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	83.3	10.0	04/07/2016	ND	178	89.0	200	1.81	
DRO >C10-C28	956	10.0	04/07/2016	ND	170	85.0	200	4.37	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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Caley 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
 Reported: 04/07/2016
 Project Name: VACA 4H CTB
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/06/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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		mg/kg		Analyzed By: MS						
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
 Reported: 04/07/2016
 Project Name: VACA 4H CTB
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/06/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: #4 (H600731-04)

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

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	

mg/kg			Analyzed By: MS						
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 cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

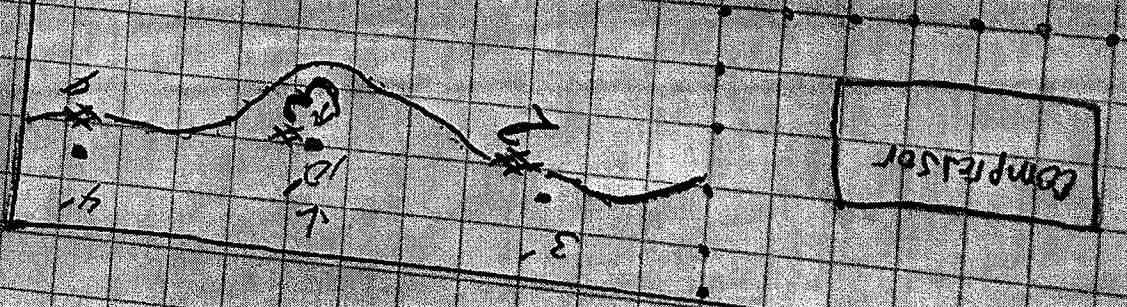
**101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476**

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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

Vaca 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

RECEIVED

Form C-141
Revised March 17, 1999

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

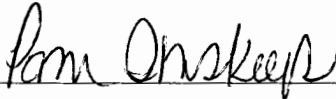
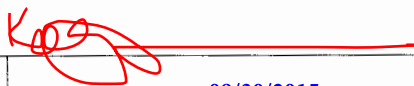
Describe Cause of Problem and Remedial Action Taken.*

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

* Attach Additional Sheets If Necessary

pKJ1518155399
nKJ1518155255

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

RECEIVED

Form C-141
Revised March 17, 1999

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	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	10	25S	33E	190	North	330	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?	If YES, To Whom?				
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	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?	If YES, Volume Impacting the Watercourse.				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

If a Watercourse was Impacted, Describe Fully.*

N/A

REVIEWED

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

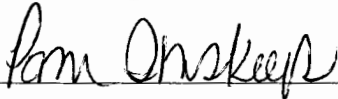

Describe Cause of Problem and Remedial Action Taken.*

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: 	OIL CONSERVATION DIVISION		
Printed Name: Pam Inskeep	Approved by District Supervisor: 		
Title: Regulatory Administrator	Approval Date: 06/30/2015	Expiration Date: 09/30/2015	
Date: 06/21/2015 Phone: (432) 682-3753	Conditions of Approval: Site samples required. Delineate and remediate as per MNOCD guides. Geotag photographs of remediation required.	Attached <input type="checkbox"/> 260297 IRP-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	
<i>Please answer all the questions in this group.</i>	
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.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

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)

Creating a Better
Environment
For Oil & Gas
Operations

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.

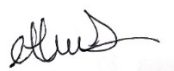
Proposed Work Plan

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
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	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
V-2	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
V-3	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
V-4	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:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- 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).

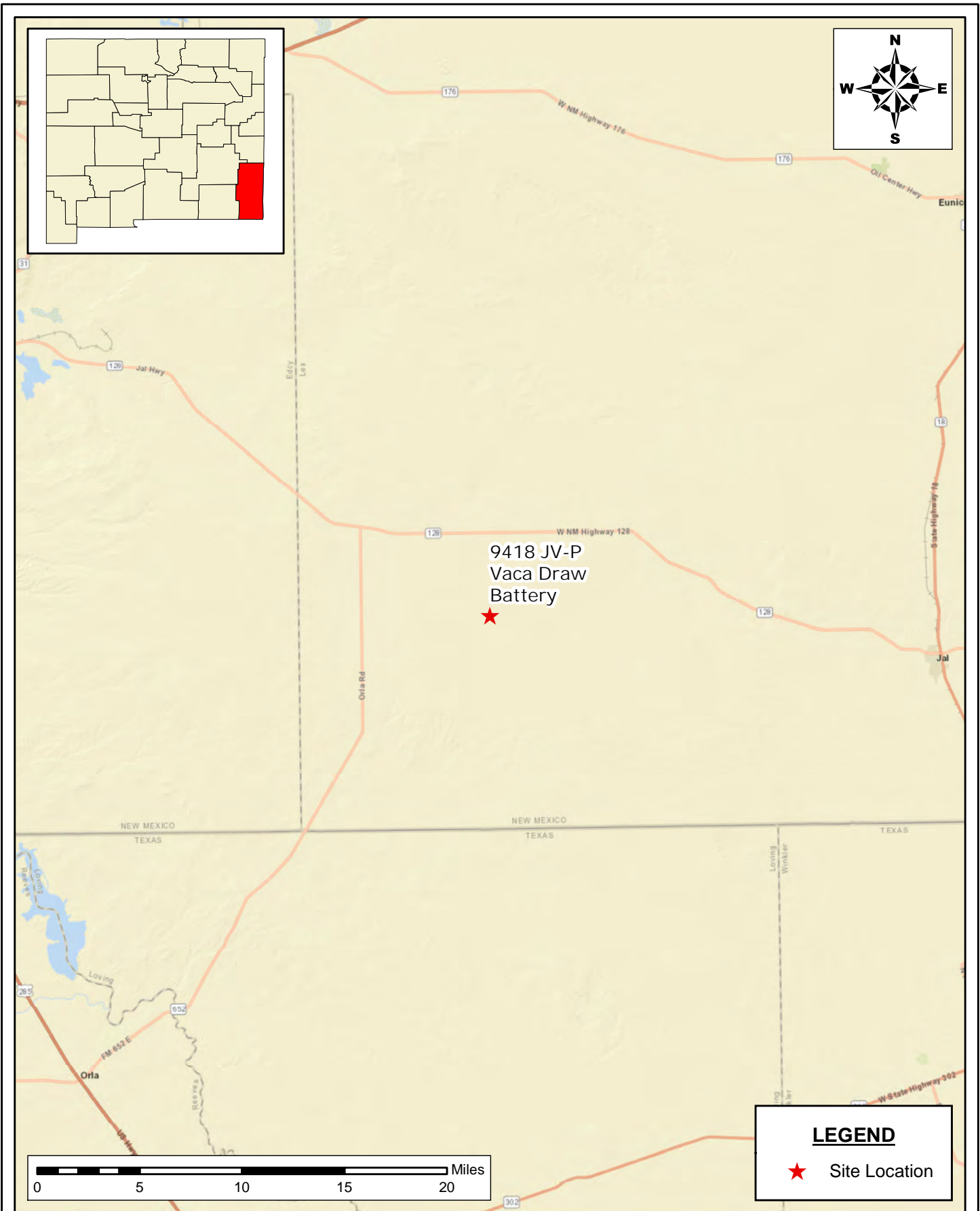
9. --- Not Analyzed

SP-1

Sample Point Excavated

Figures

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\BTA\SC\249317 - 9418 JV-P Vaca Draw Battery\7- Figures\GIS\Figure_1_SL_SC_REMED_WORKPLAN.mxd



SITE LOCATION MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
BTA OIL PRODUCERS, LLC
9418 JV-P VACA DRAW BATTERY
LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/15/2025 PROJECT #: 249317

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com



NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

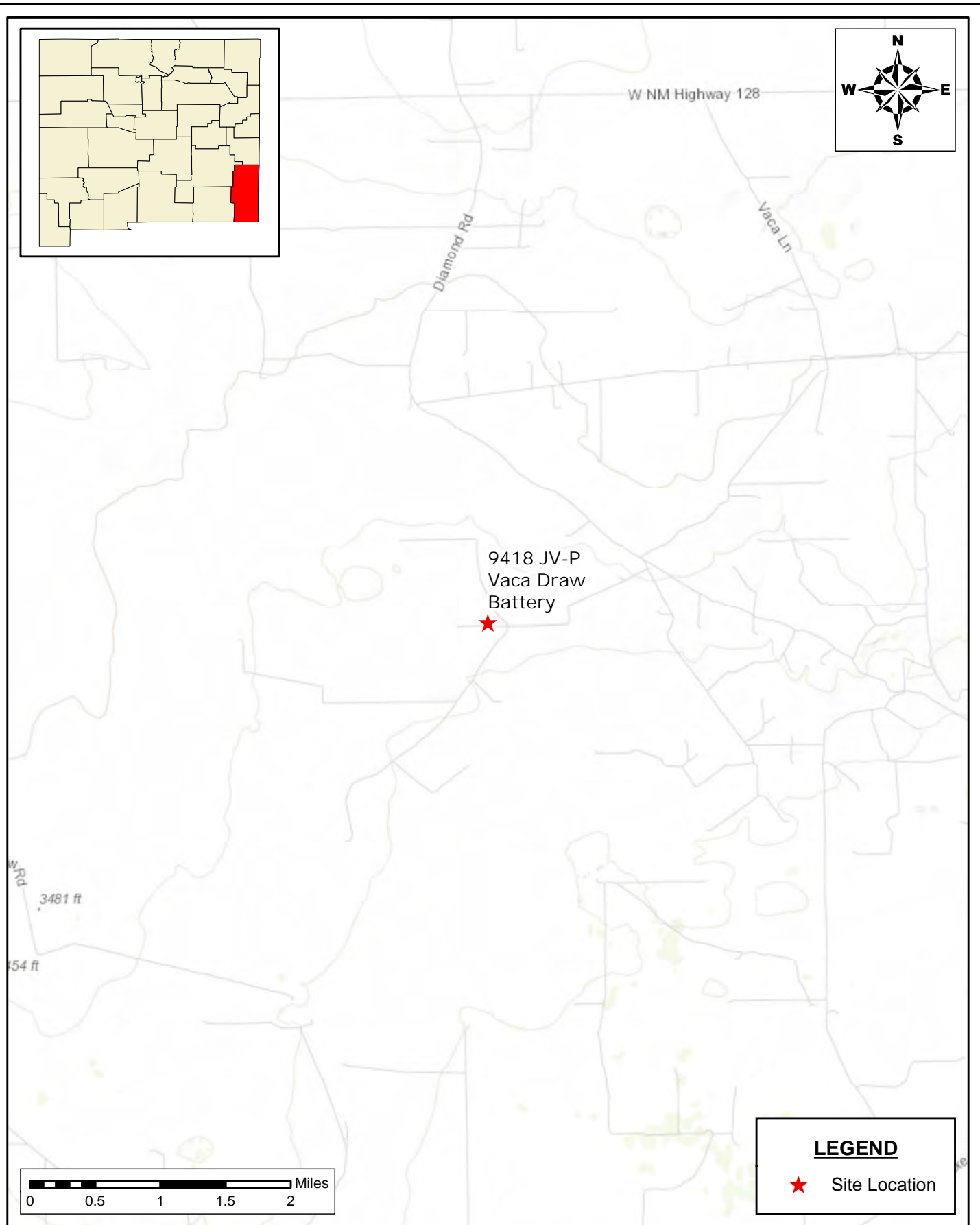
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\BTA\SC\249317 - 9418 JV-P Vaca Draw Battery\7- Figures\GIS\Figure_2_TOPO_SC_REMED_WORKPLAN.mxd



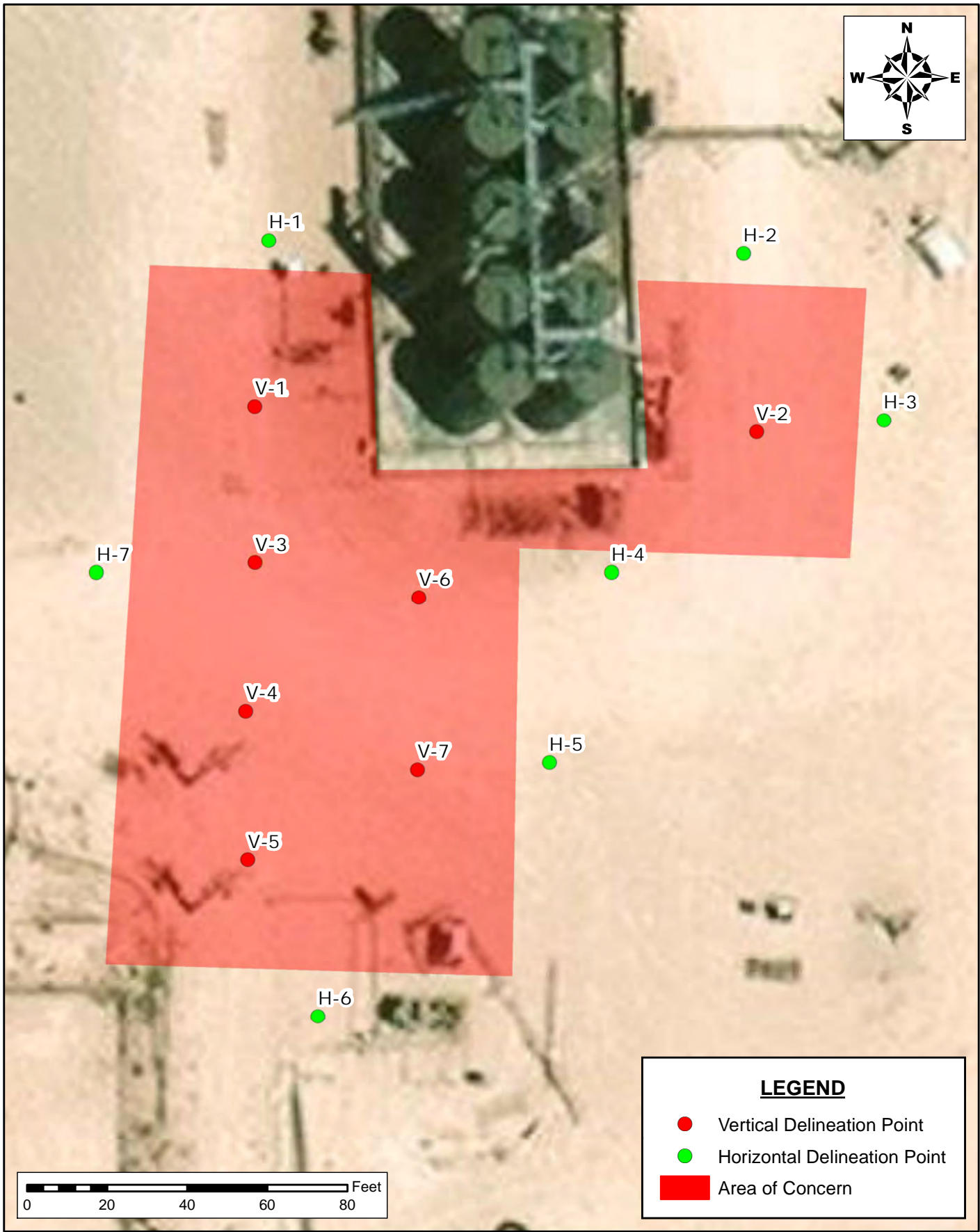
TOPOGRAPHIC MAP SITE CHARACTERIZATION AND REMEDIATION WORKPLAN BTA OIL PRODUCERS, LLC 9418 JV-P VACA DRAW BATTERY LEA COUNTY, NEW MEXICO		
SCALE: As Shown	Date: 1/15/2025	PROJECT #: 249317

 New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviroinmental.com
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NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983
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DRAWING NUMBER: FIGURE 2
SHEET NUMBER: 1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\BTA\SC\249317 - 9418 JV-P Vaca Draw Battery\7- Figures\GIS\Figure_3_IA_SC_REMED_WORKPLAN.mxd



DELINEATION SAMPLE MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
BTA OIL PRODUCERS, LLC
9418 JV-P VACA DRAW BATTERY
LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 1/15/2025

PROJECT #: 249317



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



Proposed Excavation Map

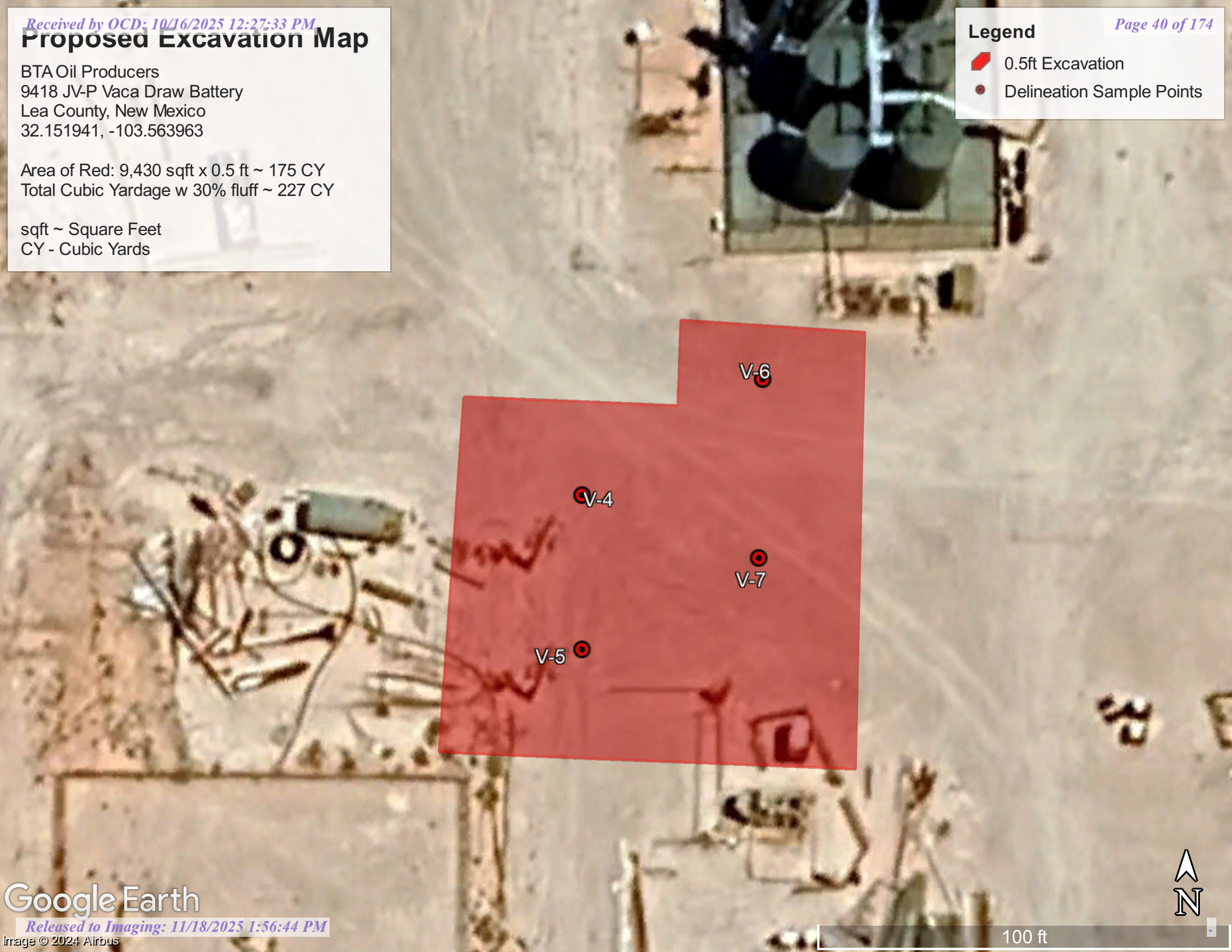
BTA Oil Producers
9418 JV-P Vaca Draw Battery
Lea County, New Mexico
32.151941, -103.563963

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)						
Depth to Groundwater (ft)		Closure Criteria (mg/kg)				
		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 that 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

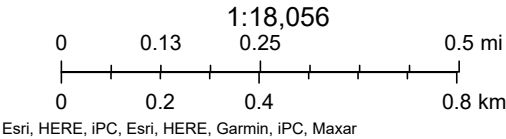
OSE District Boundary
- Water Right Regulations

Closure Area

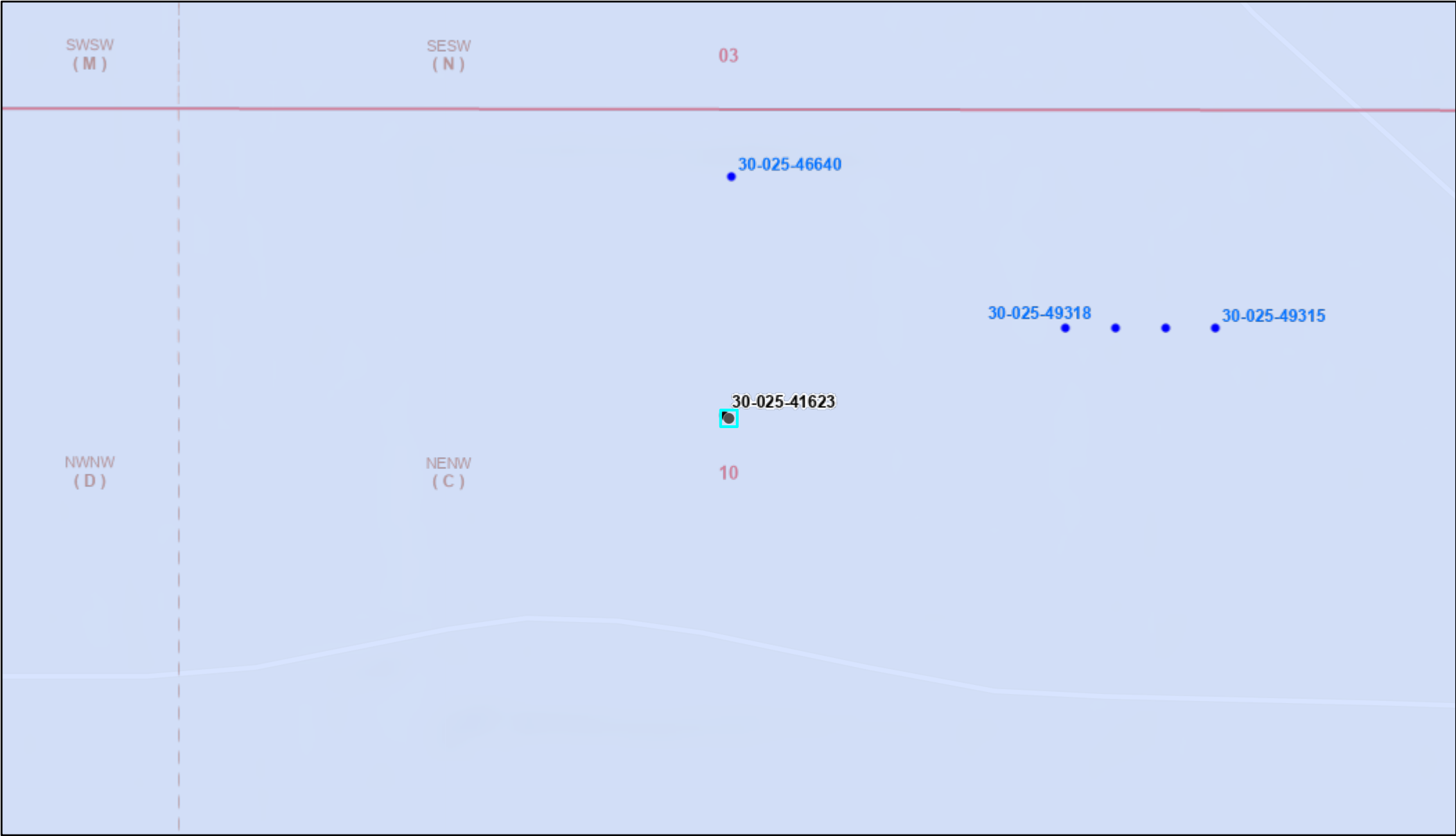
New Mexico State Trust Lands

Both Estates

NHD Flowlines
Stream River




Karst Potential Map



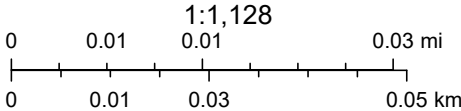
11/8/2024, 12:37:25 PM

Wells - Large Scale Karst Occurrence Potential

 PLSS First Division

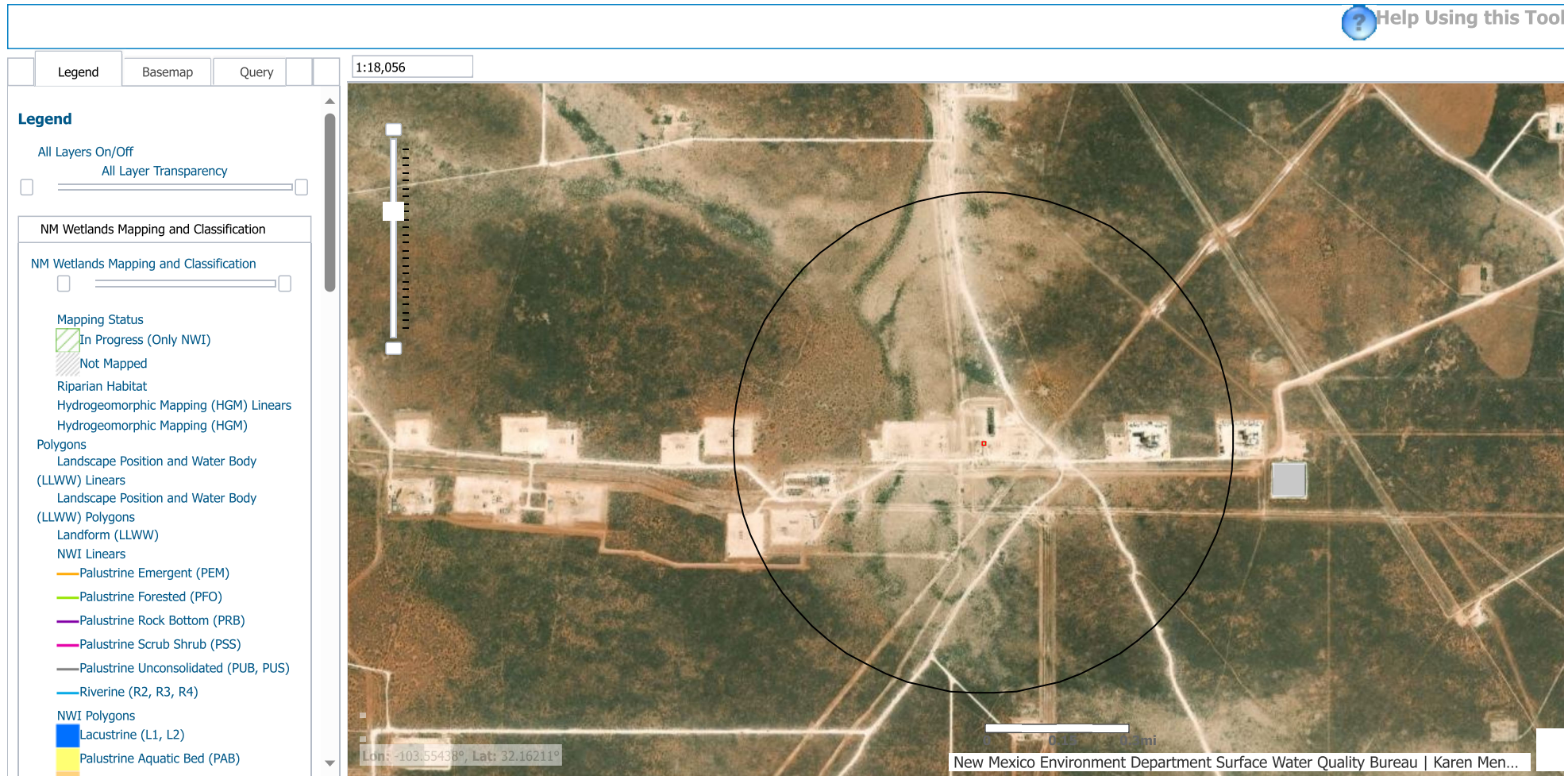
 Oil, Active  Low

 Oil, New  PLSS Second Division



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,




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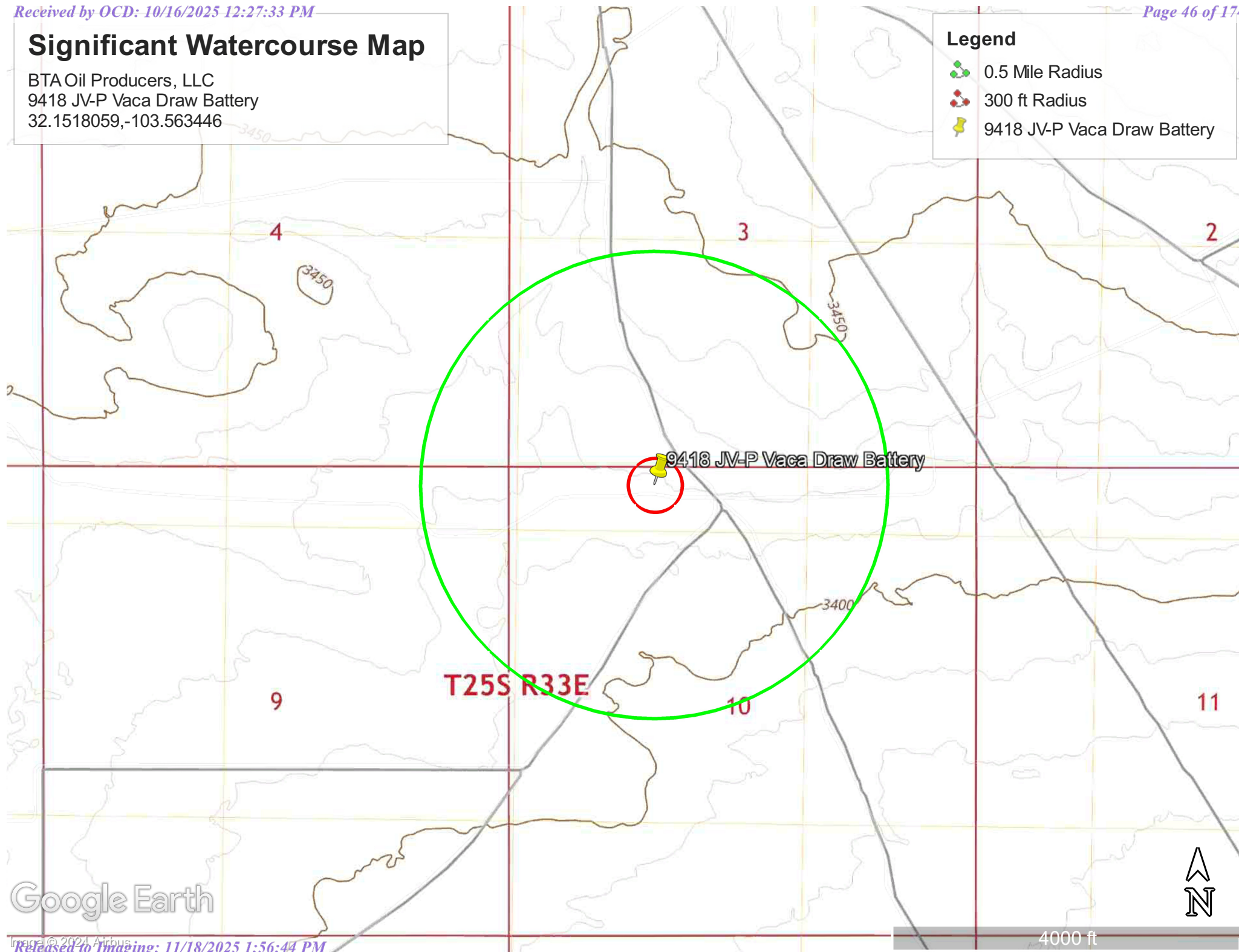


Significant Watercourse Map

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



Google Earth



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 FIRMMette



103°34'7"W 32°9'22"N



1:6,000

103°33'30"W 32°8'51"N

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
OTHER AREAS OF FLOOD HAZARD		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
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation 17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		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:**

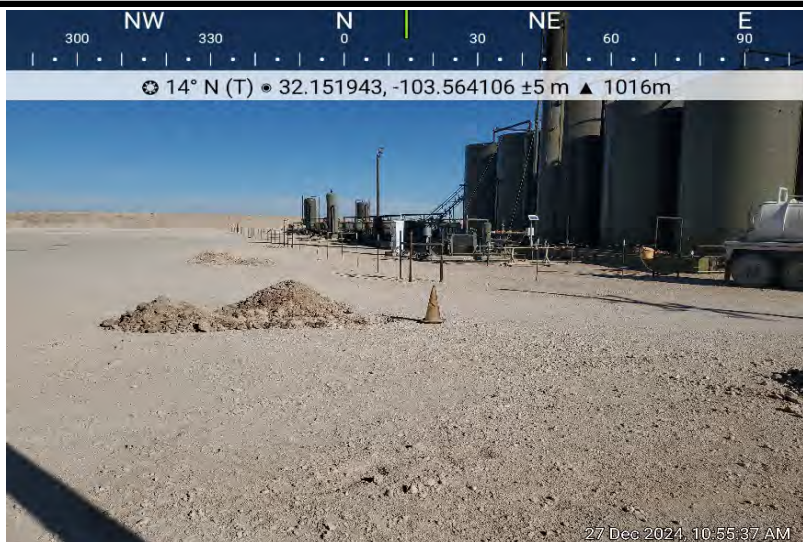
View of Initial Assessment Activities

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

View of Initial Assessment Activities

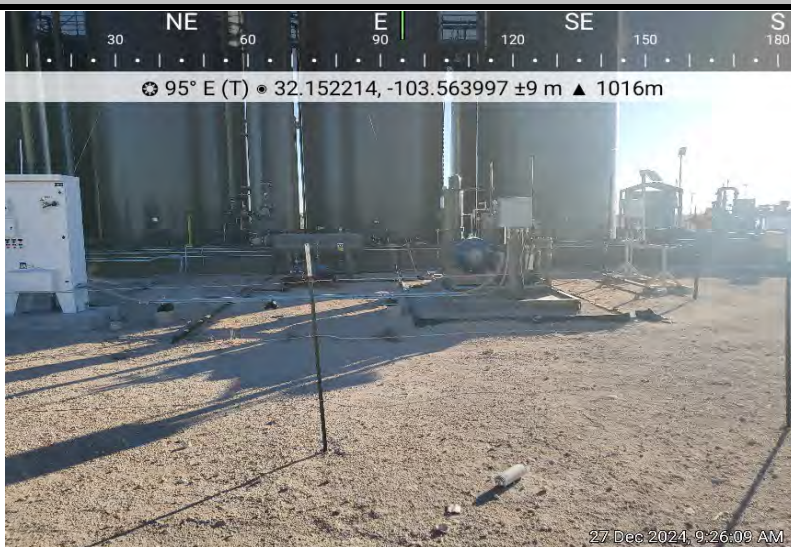
**Photograph No. 3****Facility:** 9418 JV-P Vaca Draw Battery**County:** Lea County, New Mexico**Description:**

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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

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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, SM4500CI-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

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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 - 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, SM4500CI-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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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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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 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, SM4500CI-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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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 ' (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, SM4500CI-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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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
 Reported: 01/02/2025
 Project Name: 9418 JV-P VACA DRAW BATTERY
 Project Number: 249317
 Project Location: BTA - LEA CO NM

Sampling Date: 12/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, SM4500CI-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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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 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, SM4500CI-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, SM4500CI-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		mg/kg		Analyzed By: MS					
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



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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 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
 Reported: 01/02/2025
 Project Name: 9418 JV-P VACA DRAW BATTERY
 Project Number: 249317
 Project Location: BTA - LEA CO NM

Sampling Date: 12/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, SM4500CI-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				S-04	
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					

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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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, SM4500CI-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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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 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, SM4500CI-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



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 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, SM4500CI-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



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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 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, SM4500CI-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, SM4500CI-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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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 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, SM4500CI-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, SM4500CI-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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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



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 - 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, SM4500CI-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



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 - 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, SM4500CI-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



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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 - 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, SM4500CI-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, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H247771

Page 1 of 4

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@ndglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> 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 <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		9418 JV-P Vaca Draw Battery		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	249317	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush													None: NO	DI Water: H ₂ O			
Project Location	Lea County, NM		Due Date:													Cool: Cool	MeOH: Me			
Sampler's Name:	Nick Hart		TAT starts the day received by the lab, if received by 4:30pm												HCL: HC	HNO ₃ : HN				
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na				
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												H ₃ PO ₄ : HP	
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:	#140												NaHSO ₄ : NABIS				
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor:	-0.6°C												Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Temperature Reading:	0.8°C												Zn Acetate+NaOH: Zn				
Total Containers:	31		Corrected Temperature:	0.2°C												NaOH+Ascorbic Acid: SAPC				
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments												
V-1	Surface	12/27/2024		X		Grab	1	X	X	X										
V-1	1'	12/27/2024		X		Grab	1	X	X	X										
V-1	2'	12/27/2024		X		Grab	1	X	X	X										
V-2	Surface	12/27/2024		X		Grab	1	X	X	X										
V-2	1'	12/27/2024		X		Grab	1	X	X	X										
V-2	2'	12/27/2024		X		Grab	1	X	X	X										
V-2	3'	12/27/2024		X		Grab	1	X	X	X										
V-3	Surface	12/27/2024		X		Grab	1	X	X	X										
V-3	1'	12/27/2024		X		Grab	1	X	X	X										
V-3	2'	12/27/2024		X		Grab	1	X	X	X										

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <u>Maura</u>	<u>Maura</u>	12-27-24 1230			
3					
5					



Chain of Custody

H247771

Page 2 of 4

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

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"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Nienker	Shirley	12-27-24 1:30			



Chain of Custody

Work Order No:

H24771

Page 3 of 4

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: 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"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

ANALYSIS REQUEST						
						Pres. Code
Project Name:		9418 JV- Vacca Draw Battery		Turn Around		
Project Number:		249317		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		
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						
Received Intact:		Temp Blank:		Yes <input checked="" type="radio"/> No <input type="radio"/>		
Cooler Custody Seals:		Yes <input type="radio"/> No <input checked="" type="radio"/> N/A		Thermometer ID:		#E140
Sample Custody Seals:		Yes <input type="radio"/> No <input checked="" type="radio"/> N/A		Correction Factor:		-0.6°C
Total Containers:			#B 31		Temperature Reading:	0.8°C
				Corrected Temperature:		0.2°C
Parameters						
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
TPH 8015						
BTEx 8021B						
Chloride 4500						
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: S APC						
HOLD						
Sample Comments						

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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



Chain of Custody

Work Order No: 6247771

Page 4 of 4

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@ntglobal.com

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"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		9418 JV-F Vacca Draw Battery		Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number:		249317		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush												None: NO	
Project Location		Lea County, NM		Due Date:												Cool: Cool	
Sampler's Name:		Nick Hart		TAT starts the day received by the lab, if received by 4:30pm												MeOH: Me	
PO #:																HCL: HC	
																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	

[illegible]

Additional Comments:

Notice: Signature of this document is relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	12-27-24 1230	2		
3			4		
5			6		

APPENDIX E

CARMONA RESOURCES

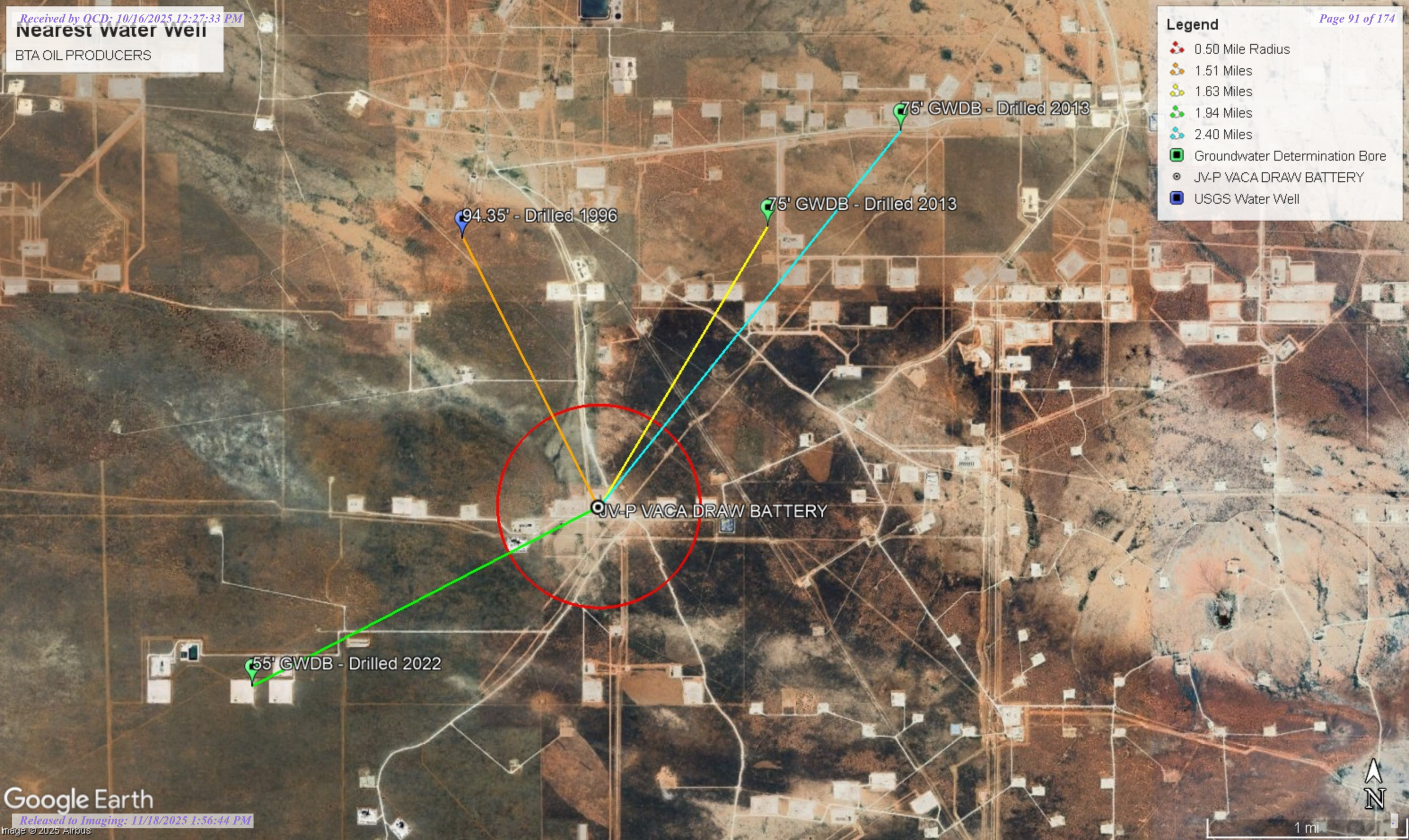


Nearest water well

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



1 mi

Low Karst

BTA OIL PRODUCERS

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	(meters)	(In feet)		
													Distance	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: Groundwater Geographic Area: New Mexico GO

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 (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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](#)
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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) BH 29				OSE FILE NUMBER C3603; 518404			
	WELL OWNER NAME(S) INTERCONTINENTAL POTASH CORP				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 600 W. BENDER BLVD.				CITY HOBBS			
					STATE NM			
					ZIP 88240			
2. DRILLING & CASING INFORMATION	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 10	SECONDS 20.0	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	32	58.5	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 01-13-13	DRILLING ENDED 01-13-13	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 75'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input checked="" type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)			
DRILLING FLUID: <input type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:								
DRILLING METHOD: <input type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input checked="" type="radio"/> OTHER - SPECIFY: AUGER								
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	75	8"	N/A	N/A	N/A		

FOR OSE INTERNAL USE

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

FILE NUMBER C-3603	POD NUMBER 6	TRN NUMBER 518404
LOCATION T24S-R 33E-Sec 35.313		PAGE 1 OF 2

STATE ENGINE OFFICE
#02871
ESTIMATED FUEL (gpm) 2013
TESTED 11:30
DISCHARGE ME
TESTING PERIOD 11:03

Released to Imaging: 11/18/2025 1:56:44 PM



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 * DATUM REQUIRED: WGS 84			
		LONGITUDE 103	35	36.25 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SE Sec.8 T25S R33S NMPM								
2. DRILLING & CASING INFORMATION	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 INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		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)
	0 55		±6.5	Boring-HSA	--	--	--	--
	3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT

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

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO					
	0	7	7	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y ✓ N		
	7	24	17	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y ✓ N		
	24	55	31	Caliche, with Fine-grained sand, well consolidated, 7.5 YR 7/4, Pink	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 0.00		
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
		MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 26 Flagler 8 Fed 20 <div style="text-align: right;">QSE DTI JUN 16 2022 PM3:10</div>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"><div> SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>Jackie D. Atkins DATE</div><div>6/16/2022</div></div>						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	C-4627-POD 1	POD NO.	1
		TRN NO.	726174
LOCATION	25 33 08.334	WELL TAG ID NO.	—
		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, appearing to read "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, appearing to read "Lucas Middleton". The signature is fluid and cursive.

Lucas Middleton

Enclosures: as noted above

OSE 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			
	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 32	MINUTES 10	SECONDS 44.8 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								
2. DRILLING & CASING INFORMATION	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 type="radio"/> ARTESIAN <input checked="" type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)							STATIC WATER LEVEL IN COMPLETED WELL (FT)
	DRILLING FLUID: <input type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input checked="" type="radio"/> OTHER - SPECIFY: AUGER							
	DEPTH (feet bgl) FROM TO		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)
	0	75	8"	N/A	N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)		METHOD OF PLACEMENT

FOR OSE INTERNAL USE

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

FILE NUMBER C-3603	POD NUMBER 1	TRN NUMBER 518404
LOCATION T24S-R33E-Sec 35.223		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL					
DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
FROM	TO				
0	2	2	BROWN SILTY SAND, LOOSE	C Y <input checked="" type="radio"/> N	N/A
2	23	21	CALICHE WHITE SILTY SAND, VERY DENSE	C Y <input checked="" type="radio"/> N	N/A
23	40	17	SHALE GREEN SILTY SAND, VERY DENSE	C Y <input checked="" type="radio"/> N	N/A
40	75	5	SHALE RED SILTY SAND, VERY DENSE	C Y <input checked="" type="radio"/> N	N/A
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
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				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
				C Y <input type="radio"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:				TOTAL ESTIMATED	
<input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY:				WELL YIELD (gpm):	
5. TEST; RIG SUPERVISION					
WELL TEST		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION:					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
6. SIGNATURE					
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:					
		Rodney Hammer		1-23-13	
		SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	C-3603	POD NUMBER	1
LOCATION	T24S-R33E-sec 35.223		TRN NUMBER
			PAGE 2 OF 2

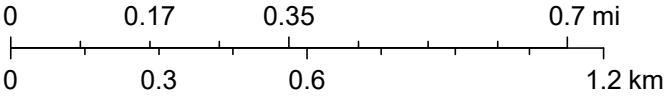
JV-P VACA DRAW BATTERY



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

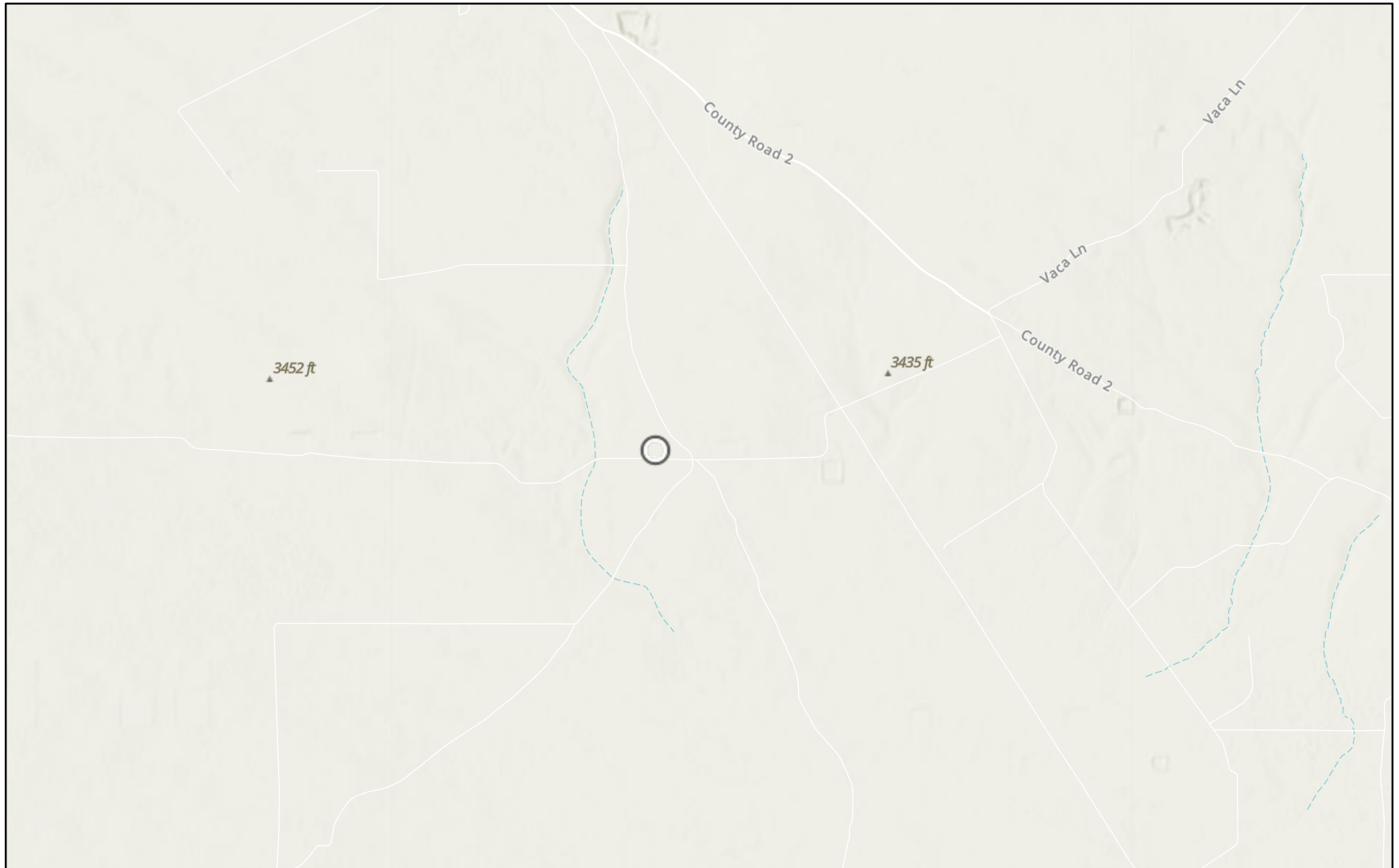
— OSE Streams

1:18,056



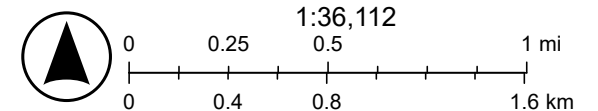
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

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". The signature is written in a cursive, flowing style.

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

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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 - 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

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:

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

Received: 10/14/2025
 Reported: 10/15/2025
 Project Name: 9418 JV-P VACA DRAW BATTERY
 Project Number: 2897
 Project Location: BTA - LEA CO NM

Sampling Date: 10/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

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

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:

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

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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Work Order No: 4856049

Page 7 of 7

Released to Imaging: 11/18/2025 1:56:44 PM



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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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

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:

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

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:

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		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



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 - 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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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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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		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 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		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 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		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 78.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.7 % 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 - 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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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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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 - 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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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 - 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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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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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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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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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 - 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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Analytical Results For:

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

Received: 10/14/2025
 Reported: 10/15/2025
 Project Name: 9418 JV-P VACA DRAW BATTERY
 Project Number: 2897
 Project Location: BTA - LEA CO NM

Sampling Date: 10/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

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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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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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		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 85.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.6 % 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 - 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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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
 Reported: 10/15/2025
 Project Name: 9418 JV-P VACA DRAW BATTERY
 Project Number: 2897
 Project Location: BTA - LEA CO NM

Sampling Date: 10/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

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



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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 - 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



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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
 Reported: 10/15/2025
 Project Name: 9418 JV-P VACA DRAW BATTERY
 Project Number: 2897
 Project Location: BTA - LEA CO NM

Sampling Date: 10/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

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, SM4500CI-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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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, SM4500CI-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



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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

Chain of Custody

Work Order No: HA2045

Page 45 of 49

Released to Imaging: 11/18/2025 1:56:44 PM

Chain of Custody

Work Order No: 1050451

Page 2 of 2

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

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Pertund <input type="checkbox"/>	
State of Project:	
Reporting Level: 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"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	9418 JV-P Vaca Draw Battery	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2897																	None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico	Due Date:	24 Hour															Cool: Cool	MeOH: Me
Sampler's Name:	KR																	HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/	# of	TPH 8												Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	10/14/25/1544

Chain of Custody

Work Order No: 123456789

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:	ninker@btaoil.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Deepfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <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: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:		9418 JV- Vacca Draw Battery		Turn Around		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code		ANALYSIS REQUEST												Preservative Codes											
Project Number:		2897																None: NO		DI Water: H ₂ O													
Project Location:		Lea County, New Mexico		Due Date:		24 Hour												Cool: Cool		MeOH: Me													
Sampler's Name:		KR																HCL: HC		HNO ₃ : HN													
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na													
SAMPLE RECEIPT				Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP									
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																		NaHSO ₄ : NABIS									
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor:																		Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading:																		Zn Acetate+NaOH: Zn									
Total Containers:						Corrected Temperature:																		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

[Signature]

[Signature]

10/14/25/1524

Chain of Custody

Work Order No: 14545

Page 4 of 4

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Chain of Custody

Work Order No: H250451

Project Manager:	Ashton Thielke	Bill to: (if different)	Noah Tinker
Company Name:	Carmona Resources	Company Name:	BITA 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@bitaoil.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Pertund <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"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	9418 JV-P Vaca Draw Battery	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2897																None: NO	DI Water: H ₂ O			
Project Location:	Lea County, New Mexico	Due Date:	24 Hour														Cool: Cool	MeOH: Me			
Sampler's Name:	KR																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
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												H ₃ PO ₄ : HP	
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn				
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-41 (0.5')	10/14/2025		X		Comp	1	X	X	X												
CS-42 (0.5')	10/14/2025		X		Comp	1	X	X	X												

Comments:

Relinquished by: (Signature)

Norm Lopez

Date/Time

Received by: (Signature)

APR 10

Date/Time

10/14/2025



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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 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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*=Accredited Analyte

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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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Work Order No: 485645D

Work Order Comments	
Program: UST/ST	<input type="checkbox"/> RRP <input type="checkbox"/> brownfields <input type="checkbox"/> IRC <input type="checkbox"/> Jperfund <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"/> ADAPT <input type="checkbox"/> Other:

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

QUESTIONS

Action 516218

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nKJ1518155255
Incident Name	NKJ1518155255 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	06/30/2015
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 Valve Crude Oil Released: 45 BBL Recovered: 40 BBL Lost: 5 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 516218

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	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

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

The source of the release has been stopped	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	Not answered.

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

Action 516218

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	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
GRO+DRO (EPA SW-846 Method 8015M)	67.8
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 516218

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	Not answered.
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
<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>	
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
<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 5

Action 516218

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	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 516218

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	514678
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 then 1 foot deep, the area was backfilled with clean material to surface grade.
<i>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>	
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

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, Page 7

Action 516218

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 516218

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 516218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NKJ1518155255 9418 JV-P VACA DRAW BATTERY, thank you. This Remediation Closure Report is approved.	11/18/2025