



nAPP2521500382

Release Assessment and Closure

Adeline ALN Federal CTB

Section 6, Township 24 South, Range 31 East

County: Eddy

Vertex File Number: 25A-04460

Prepared for:

EOG Resources, Inc.

Prepared by:

Vertex Resource Services Inc.

Date:

September 2025

EOG Resources, Inc.
Adeline ALN Federal CTB

Release Assessment and Closure
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Release Assessment and Closure
Adeline ALN Federal CTB
Section 6, Township 24 South, Range 31 East
County: Eddy

Prepared for:
EOG Resources, Inc.
5509 Champions Drive.
Midland, Texas 79706

New Mexico Oil Conservation Division
508 West Texas Avenue
Artesia, New Mexico 88210

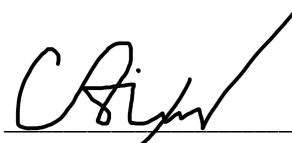
Prepared by:
Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad, New Mexico 88220



Sharon Minnix, B.Sc.
ENVIRONMENTAL TECHNICIAN, REPORTING

September 15, 2025

Date



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

September 15, 2025

Date

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1.0 Introduction

EOG Resources, Inc retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a produced water release August 2, 2025, at Adeline ALN Federal CTB (hereafter referred to as the “site”). A notification of release was reported to the New Mexico Oil Conservation Division (NMOCD) on August 3, 2025. Incident ID number nAPP2521500382 was assigned to this incident.

This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of this release, with the understanding that reclamation of the release site was completed following remediation activities as per NMAC 19.15.29.13.

2.0 Incident Description

The release occurred on August 2, 2025, due to illegal dumping being discovered on the lease road flowing off location at the site. The incident involved the release of approximately 28 barrels (bbl.) of produced water. Approximately 4 bbl. of free fluid was recovered during initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 24 miles east of Loving, New Mexico. The legal location for the site is Section 6, Township 24 South and Range 31 East in Eddy County, New Mexico. The release area is located on federal property. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area in the pasture on or in proximity to the constructed pad (Figure 1).

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site’s surface geology primarily comprises Qep – eolian and piedmont deposits (Holocene to middle Pleistocene), and the soil at the site is characterized as fine sands (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Additional soil characteristics include a drainage class of excessively drained with a runoff class of very high. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The surrounding landscape is associated with plains and alluvial fans with elevations ranging between 3,000 and 4,100 feet. The climate is semiarid with average annual precipitation ranging between 10 and 14 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be black gramma and dropseeds. Grasses with shrubs and half-shrubs dominate the historical plant community (United States

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Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

4.0 Closure Criteria Determination

The nearest depth to groundwater reference is a New Mexico Office of the State Engineer exploratory borehole that was established by XTO Energy, Inc on August 9, 2022. The borehole is approximately 0.95 miles away from the site. It was recorded as a dry hole at 110 feet below ground surface (bgs). Documentation related to the depth to groundwater reference is included in Appendix A.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 0.11 miles west of the site (United States Fish and Wildlife Service, 2025).

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

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Table 1. Closure Criteria Determination			
Site Name: Adeline ALN Fed CTB			
Spill Coordinates: 32.247611, -103.818833		X: 611270	Y: 3568494
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	<50'	feet
	Distance between release and nearest DTGW reference	5,004	feet
		0.95	miles
	Date of nearest DTGW reference measurement	09/02/2025	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	586	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	42,745	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	28,733	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	6,005	feet
	ii) Within 1000 feet of any fresh water well or spring	71,924	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	feet
7	Within 300 feet of a wetland	6,005	feet
8	Within the area overlying a subsurface mine	No	feet
	Distance between release and nearest registered mine	44,191	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	21,120	feet
10	Within a 100-year Floodplain	>500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	7,456	feet
11	Soil Type	TF	
12	Ecological Classification	Sandy	
13	Geology	Qep/Qp	
NMAC 19.15.29.12 E (Table 1) Closure Criteria		<50'	<50' 51-100' >100'

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

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

DTGW – Depth to groundwater

bgs – Below ground surface

TDS – total dissolved solids

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

BTEX – benzene, toluene, ethylbenzene, and xylenes

5.0 Remedial Actions Taken

Delineation of the release area was completed on August 14, 2025, which identified the area of the release specified in the initial C-141 Report and estimated the approximate volume of the release. The impacted area was determined to be approximately 1,298 square feet. Daily Field Reports (DFRs) documenting delineation activities are included in Appendix B.

Remediation efforts began on August 28, 2025, and were finalized on September 3, 2025. Vertex personnel supervised the excavation of impacted soils. Field screening was completed with a total of 10 sample points and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dextsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and silver nitrate titration (chlorides). Soils were first removed to a depth of 0.5 feet bgs to determine if any exceedances remained via composite sampling. Further excavation at sample point BH25-07, BH25-08, and BH25-06 was completed to 1.25 feet bgs after lab results determined that the 1-foot borehole sample exceeded closure criteria. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. DFRs documenting final remediation before backfill is presented in Appendix B.

Notification that confirmatory samples were being collected was provided to the NMOCD on August 25, 2025. Confirmatory composite samples were collected from the base and walls of the excavation, each representative of no more than 200 square foot increments. A total of 10 samples and 2 composite backfill samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix C. All confirmatory samples collected and analyzed were below closure criteria for the site.

6.0 Closure Request

The release area was fully delineated, remediated, and backfilled with clean locally sourced soil. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release location “less than 50 feet to groundwater”. Based on these findings EOG Resources, Inc. requests that this release be closed.

7.0 Land Reclamation

The Land Reclamation for the site (surface reclamation) is detailed below. This section outlines the principles that were used during the surface reclamation phase for the site. The boundaries of the reclamation area matched to the area depicted on Figure 2. The DFR detailing seeding is provided in Appendix B.

7.1 End Land Use and Capability

The land use surrounding the site is defined as natural; therefore, the end land use would be natural land. A natural area is described as: away from human habitation and activities, where the primary concern is the protection of ecological receptors. The site was reclaimed so that the capability of the land matches that of the areas immediately surrounding the site, which consists of rangeland.

7.2 Soil Replacement

Surface reclamation included determination of background topsoil depth as site conditions are required to meet pre-existing conditions. Reclamation of the location was completed after backfill operations. Clean, locally sourced topsoil and caliche were imported to the site to backfill the excavation (Table 4). The entire reclamation area was fenced with orange plastic mesh.

7.3 Restoration of Drainage

Currently, the site consists of a mostly-level pasture area. The site was contoured to match the surrounding topography as near as practicable to restore natural drainage. Any compaction on-site was addressed by de-compaction to an approximate depth of 12 inches. All de-compaction activities were conducted post-backfill procedures and pre-seeding to maximize seed to soil contact and promote vegetation establishment.

7.4 Erosion Control

There are currently no erosion concerns on-site, and the use of erosion control devices at this location is not anticipated; however, erosion control devices will be installed at the discretion of the on-site environmental inspector.

7.5 Re-vegetation

7.5.1 Seeding

A seed mix suitable for the site and surrounding area was used and applied at appropriate rates. Seed establishment and re-vegetation will be monitored, bi-annually, to determine success. A Bureau of Land Management (BLM) # 2 seed mix consisting of bristlegrass plains (*Setaria vulpiseta*) – 48.86%, dropseed sand (*Sporobolus cryptandrus*) – 23.57%, lovegrass sand “Bend” (*Eragrotis trichodes*) – 23.20% which resulted in a purity of 95.73% and inert matter of 4.26% in

a 1lb bag. BLM seed mix #2 was obtained and administered by Vertex personnel for the site and applied by hand broadcasting at approximately 8 PLS/acre, double the recommended rate of 4 PLS/acre. The area was first prepared by loosening and leveling the soil with a rake, followed by evenly scattering the seed, and using the back of the rake to gently work in the seeds into the top 1/8 inch of the soil. This approach was selected to ensure greater coverage and improve the likelihood of successful revegetation. Photograph documentation of the excavation area after backfilling and seeding was completed is included in Appendix B.

7.5.2 Reclamation Standards

Reclamation success will meet requirements outlined in Chapter 6 of The Gold Book (United States Department of the Interior and U.S. Department of Agriculture, 2007) which states that “a self-sustaining, vigorous, diverse, native (or otherwise approved) plant community is established on site, with a density sufficient to control erosion and non-native plant invasion and to re-establish wildlife habitat or forage production”.

7.6 Weed Management

The site will be monitored for vegetative growth throughout the year. Should noxious vegetation be identified on-site, a control program will be implemented and managed as required.

Weed management programs will identify weed species of concern and utilize effective control methods. These methods include but are not limited to chemical (herbicide) control, mechanical (mowing) control or biological control as approved by governing regulatory agencies.

8.0 Monitoring Program

Tri-annual inspections will be conducted during the growing season, to monitor site progression and assess the need for additional best management practices (BMPs). Inspections will include photographs of the site and BMPs will be implemented.

9.0 Final Summary

Reclamation of the release has been completed. Vertex will monitor the site for vegetative growth with the specifications listed in Section 8. During the tri-annual inspections, if site conditions are at or nearing background conditions with 70% coverage, the final reclamation/re-vegetation report will be completed. The report will provide a summary of the vegetation establishment, a summary and interpretation of monitoring data collected, interpretation of historical monitoring data, and suggested corrective actions if applicable.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or cdixon@vertexresource.com.

10.0 References

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Adeline ALN Federal CTB

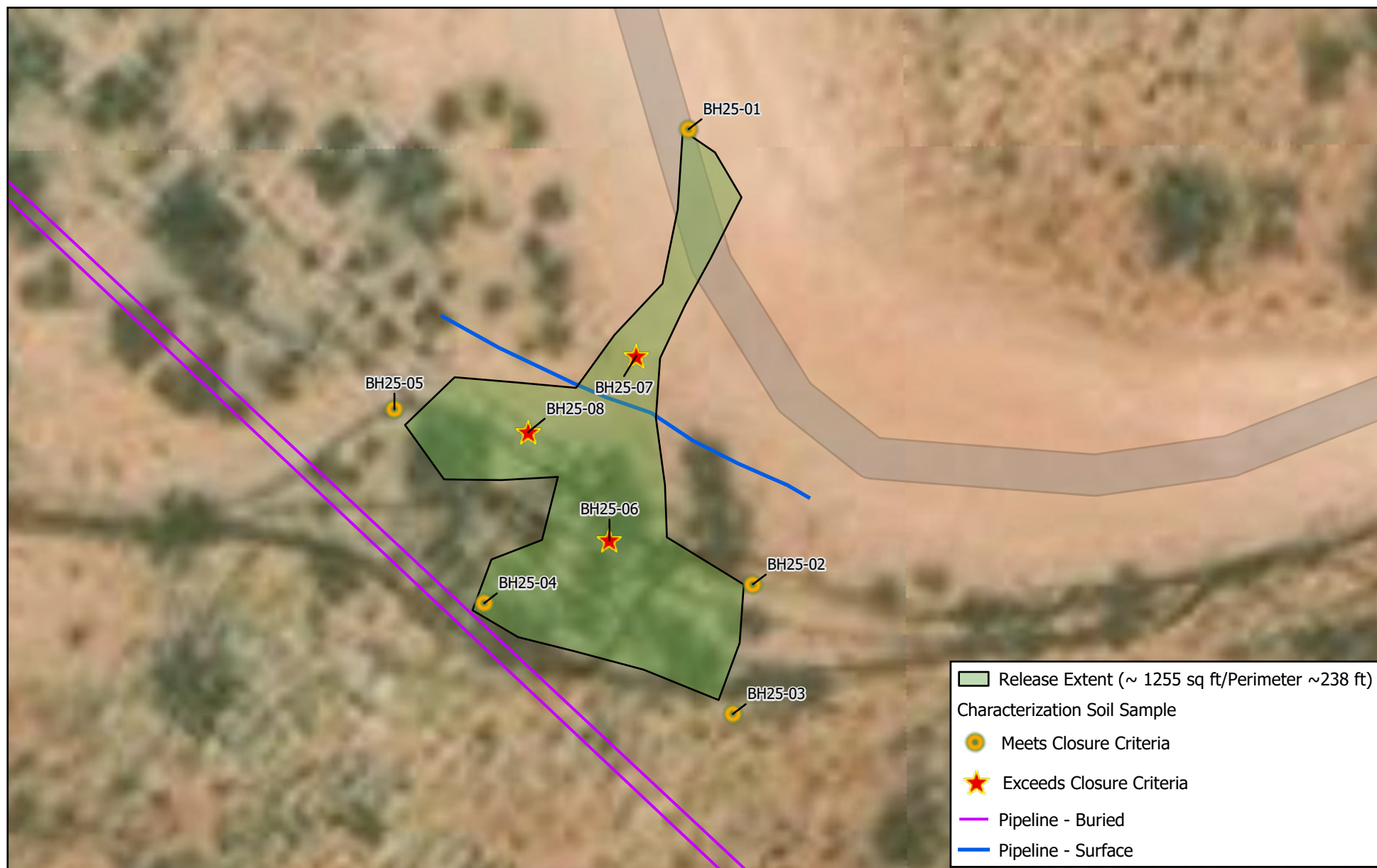
Release Assessment and Closure
September 2025

11.0 Limitations

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

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

FIGURES



0 10 20 ft

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
Lat/Long: 32.247538°N, 103.818823°W

Date: Aug 29/25

**Characterization Sampling Site Schematic
Adeline ALN Federal CTB**

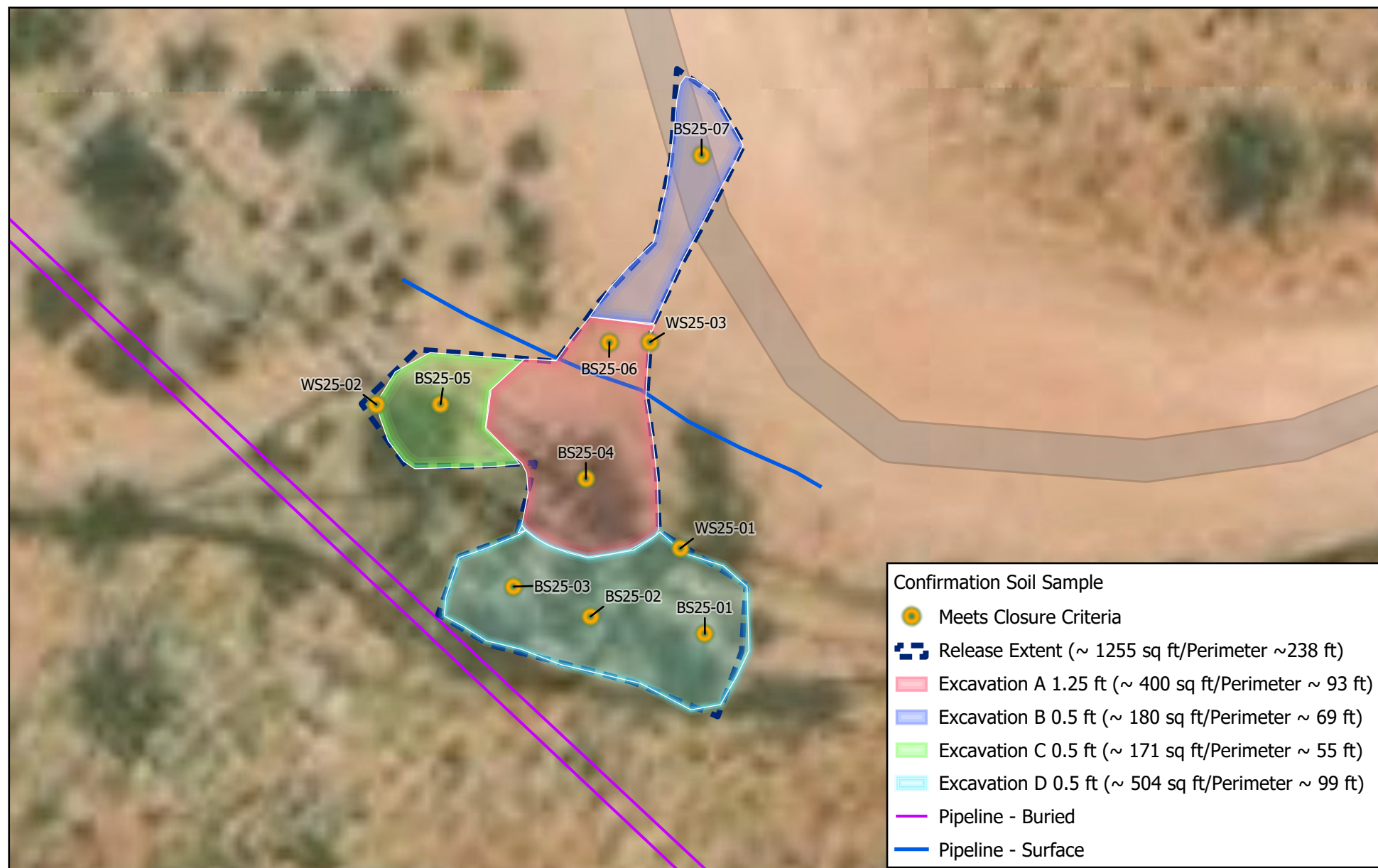
FIGURE:

1

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

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.



0 10 20 ft
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
Lat/Long: 32.247531°N, 103.818821°W

Date: Aug 29/25



Confirmation Sampling Site Schematic Adeline ALN Federal CTB

FIGURE:

2



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

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

TABLES

Client Name: EOG Resources Inc.
 Site Name: Adeline ALN Federal CTB
 NM OCD Tracking #: nAPP2521500832
 Project #: 25A-04460
 Lab Report: H255087

Table 3. Initial Characterization Sample Field Screen and Laboratory Results													
Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (petroFlag)	Chloride Concentration	Volatile		Extractable					
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Depth to Groundwater ≤ 50 feet bgs													
BH25-01	0	August 13, 2025	-	8	465	ND	ND	ND	ND	ND	ND	ND	192
BH25-01	1	August 13, 2025	-	-	625	ND	ND	ND	ND	ND	ND	ND	ND
BH25-02	0	August 13, 2025	-	37	202	ND	ND	ND	ND	ND	ND	ND	ND
BH25-02	1	August 13, 2025	-	-	223	ND	ND	ND	ND	ND	ND	ND	ND
BH25-03	0	August 13, 2025	-	67	218	ND	ND	ND	ND	ND	ND	ND	ND
BH25-03	1	August 13, 2025	-	-	230	ND	ND	ND	ND	ND	ND	ND	ND
BH25-04	0	August 13, 2025	-	26	225	ND	ND	ND	ND	ND	ND	ND	ND
BH25-04	1	August 13, 2025	-	-	168	ND	ND	ND	ND	ND	ND	ND	ND
BH25-05	0	August 13, 2025	-	10	280	ND	ND	ND	ND	ND	ND	ND	ND
BH25-05	1	August 13, 2025	-	-	158	ND	ND	ND	ND	ND	ND	ND	ND
BH25-06	0	August 13, 2025	-	-	4,930	ND	ND	ND	97.7	ND	97.7	97.7	3,780
BH25-06	1	August 13, 2025	-	-	2,778	ND	ND	ND	ND	ND	ND	ND	1,650
BH25-06	1.5	August 14, 2025	-	-	295	ND	ND	ND	ND	ND	ND	ND	304
BH25-06	2	August 14, 2025	-	-	0	-	-	-	-	-	-	-	-
BH25-06	2.5	August 14, 2025	-	-	0	ND	ND	ND	ND	ND	ND	ND	96
BH25-07	0	August 13, 2025	-	12	1,418	ND	ND	ND	13.1	ND	13.1	13.1	832
BH25-07	1	August 13, 2025	-	-	578	ND	ND	ND	ND	ND	ND	ND	272
BH25-08	0	August 13, 2025	-	16	2,640	ND	ND	ND	ND	ND	ND	ND	1,780
BH25-08	1	August 13, 2025	-	-	563	ND	ND	ND	ND	ND	ND	ND	336

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and green shaded indicates exceedance outside of NM OCD Reclamation Criteria (off-pad)

Client Name: EOG Resources Inc.
 Site Name: Adeline ALN Fed CTB
 NM OCD Tracking #: nAPP2521500382
 Project #: 25A-04460
 Lab Reports: H255412 and H255466

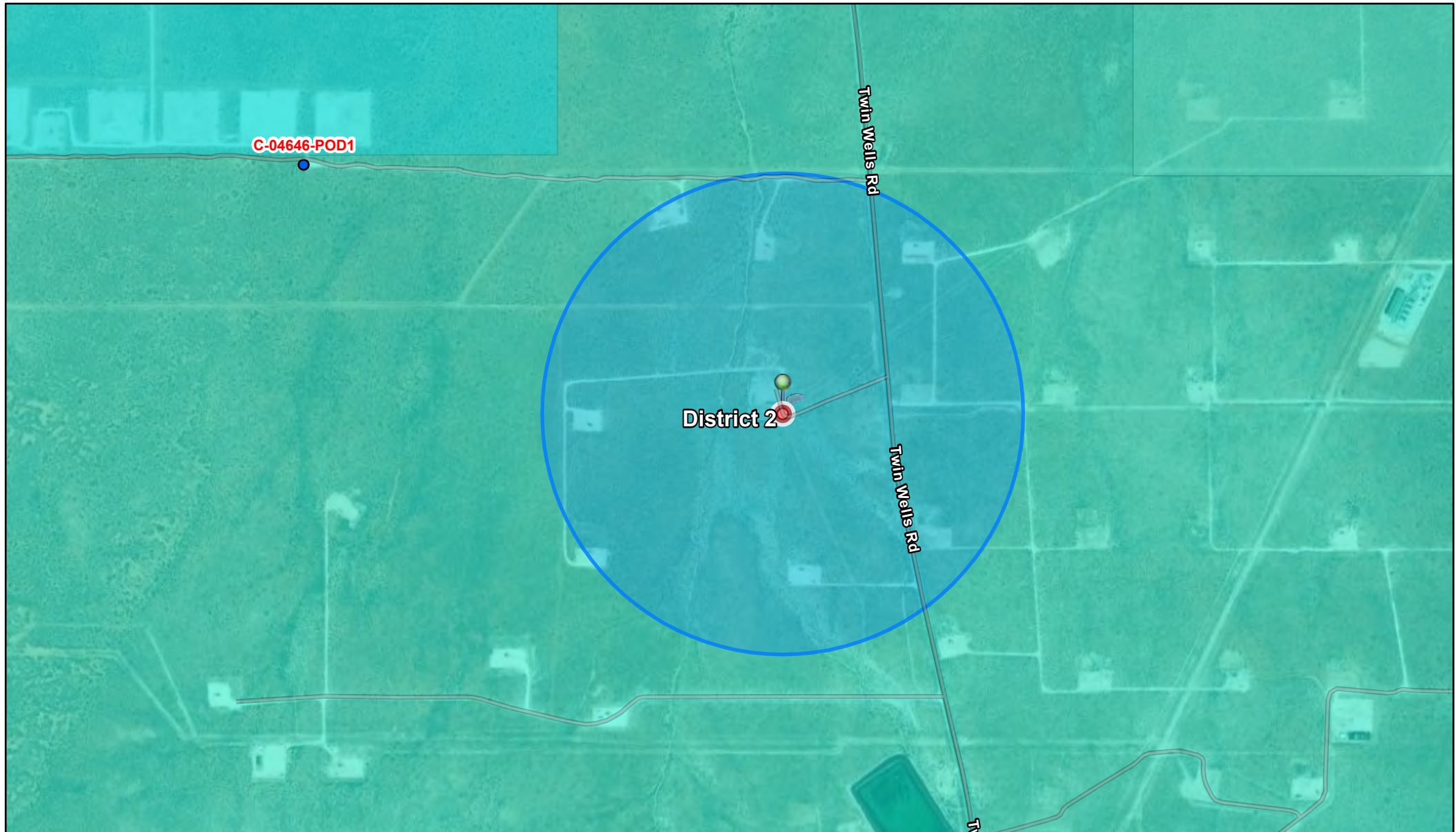
Table 4. Confirmatory Sample Field Screen and Laboratory Results

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Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable					
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Depth to Groundwater ≤ 50 feet bgs													
Base Samples													
BS25-01	0.5	August 28, 2025	-	17	480	ND	ND	ND	ND	ND	ND	ND	352
BS25-02	0.5	August 28, 2025	-	43	475	ND	ND	ND	ND	ND	ND	ND	160
BS25-03	0.5	August 28, 2025	-	37	410	ND	ND	ND	ND	ND	ND	ND	96
BS25-04	1.25	August 28, 2025	-	17	480	ND	ND	ND	ND	ND	ND	ND	144
BS25-05	0.5	August 28, 2025	-	71	520	ND	ND	ND	ND	ND	ND	ND	240
BS25-06	1.25	August 28, 2025	-	28	362	ND	ND	ND	ND	ND	ND	ND	128
BS25-07	0.5	August 28, 2025	-	32	520	ND	ND	ND	ND	ND	ND	ND	224
Wall Samples													
WS25-01	0-0.5	August 28, 2025	-	71	580	ND	ND	ND	ND	ND	ND	ND	192
WS25-02	0-0.5	August 28, 2025	-	39	475	ND	ND	ND	ND	ND	ND	ND	208
WS25-03	0-1.25	August 28, 2025	-	16	-	ND	ND	ND	ND	ND	ND	ND	48
Backfill Samples													
Backfill-01	0ft	September 3, 2025	-	-	138	ND	ND	ND	ND	ND	ND	ND	96
Backfill-02	0ft	September 3, 2025	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

APPENDIX A – Closure Criteria Research Documentation



9/2/2025, 10:57:56 AM

GIS WATERS PODs



Active

Water Right Regulations



Artesian Plan Area

OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

Both Estates

World Imagery

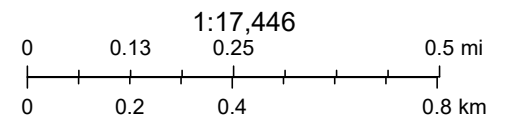
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

4.8m Resolution Metadata



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE

quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04646 POD1	NW	NW	NE	01	24S	30E	609909.0	3569179.8	

* UTM location was derived from PLSS - see Help

Driller License:

1184

Driller Company:

WEST TEXAS WATER WELL SERVICE

Driller Name:

RUSSELL SOUTHERLAND

Drill Start Date:

2022-08-09

Drill Finish Date:

2022-08-09

Plug Date:

Log File Date:

2022-09-15

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

110

Depth Water:

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.



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OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

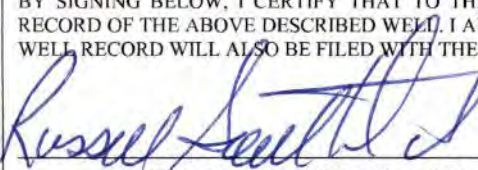
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4646-POD1		WELL TAG ID NO. —		OSE FILE NO(S). C-4646		
	WELL OWNER NAME(S) XTO ENERGY INC				PHONE (OPTIONAL) 575-200-0729		
	WELL OWNER MAILING ADDRESS 3104 E GREENE ST				CITY CARLSBAD	STATE NM	
					ZIP 88220		
1. GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 15	SECONDS 14.15	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE -103	49	59.52	W		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND		NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 08/09/2022	DRILLING ENDED 08/09/2022	DEPTH OF COMPLETED WELL (FT) 110	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES – SPECIFY:						
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:						
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
				NO CASING IN HOLE			
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					
				N/A			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4646-POD1	POD NO. 1	TRN NO. 727924
LOCATION men. 24.30.01.121	WELL TAG ID NO.	PAGE 1 OF 2

OSE 07 SEP 15 2022 PM 1:36

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	10		RED SAND	Y ✓ N	
	10	15		CALICHIE	Y ✓ N	
	15	20		RED SANDSTONE	Y ✓ N	
	20	50		RED CLAY	Y ✓ N	
	50	90		RED CLAY W/SAND STREAKS	Y ✓ N	
	90	110		RED SANDY CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER – SPECIFY: DRY HOLE					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:					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
						
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE
	RUSSELL SOUTHERLAND					08/09/2022

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-4646 POD 1	POD NO.	1
LOCATION	Mon 24.30.01.13.1	TRN NO.	727924
		WELL TAG ID NO.	

PAGE 2 OF 2

05E ON SEP 15 2022 PM 1:35

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: 727924
File Nbr: C 04646
Well File Nbr: C 04646 POD1

Sep. 15, 2022

GARRETT GREEN
XTO ENERY, INC
3104 E GREENE ST
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 06/17/2022.

The Well Record was received in this office on 09/15/2022, stating that it had been completed on 08/09/2022, 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 06/17/2023.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



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: 727924
File Nbr: C 04646
Well File Nbr: C 04646 POD1

Sep. 15, 2022

TACOMA MORRISSEY
ENSOLUM
601 N MARIENFIELD ST STE 400
MIDLAND, TX 79701

Greetings:

The above numbered permit was issued in your name on 06/17/2022.

The Well Record was received in this office on 09/15/2022, stating that it had been completed on 08/09/2022, 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 06/17/2023.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



Site is 586 ft to nearest watercourse



September 2, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

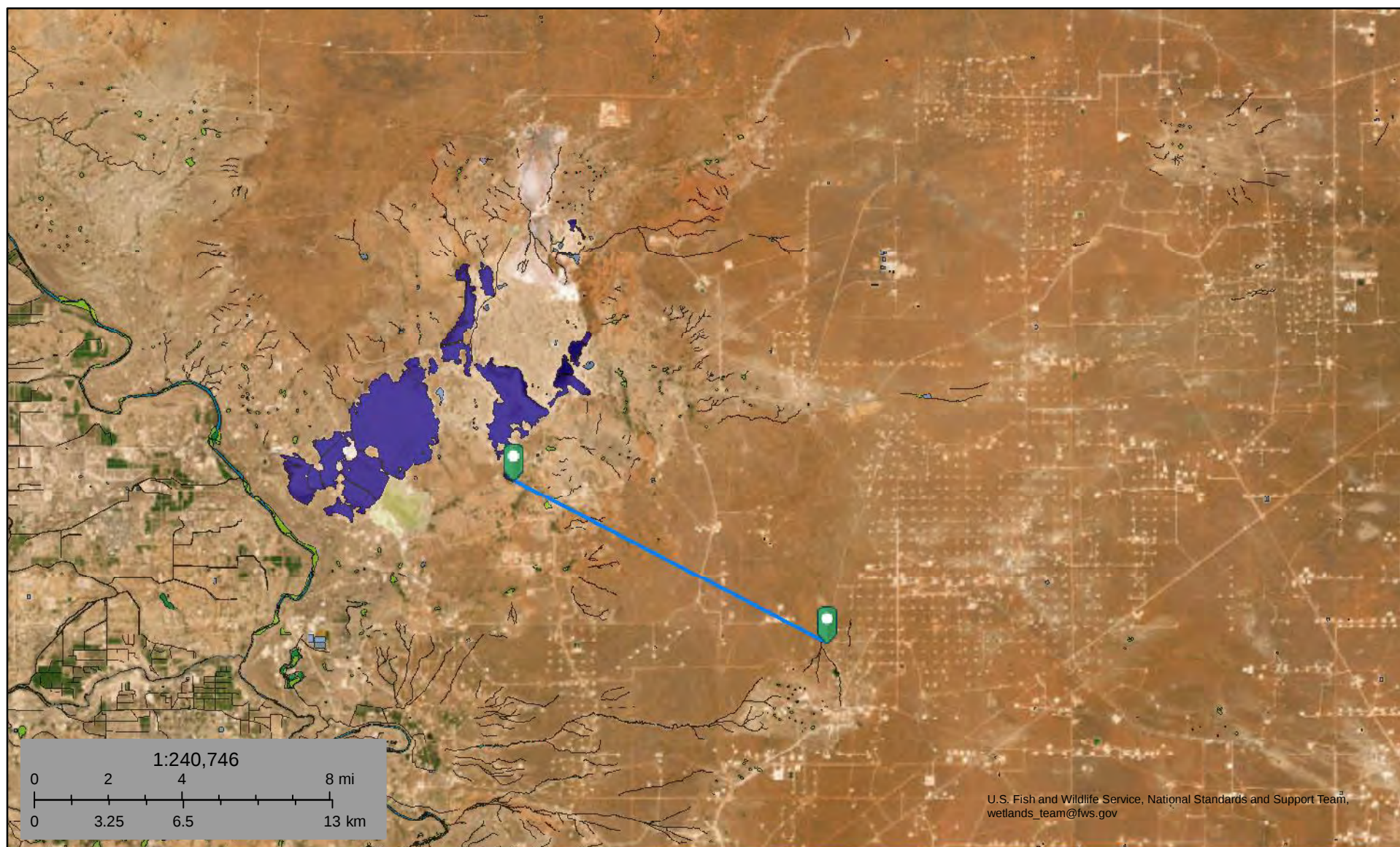
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- 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.



Site is 42,745ft to nearest lake



September 2, 2025

Wetlands

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

Adeline ALN Fed CTB

Site is 28,732.83ft (5.44 miles) away from nearest resident

Legend

 Residence

Residence

Residence

Google Earth

Image © 2025 Airbus

32.247611, -103.818833

10 km

Image © 2025 Airbus



9/2/2025, 11:23:16 AM

Water Right Regulations

Artesian Plan Area

OSE District Boundary

New Mexico State Trust Lands

Both Estates

World Imagery

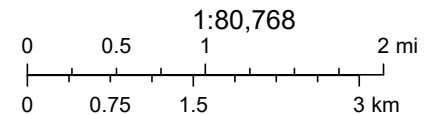
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

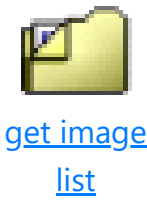
Citations

19m Resolution Metadata



Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Water Right Summary



WR File Number:	C 03960	Subbasin:	C	Cross Reference:
Primary Purpose:	STK 72-12-1 LIVESTOCK WATERING			
Primary Status:	PMT Permit			
Total Acres:		Subfile:		Header:
Total Diversion:	3.000	Cause/Case:		
Owner:	BUREAU OF LAND MANAGEMENT	Owner Class:	Owner	
Contact:	STEVE DALY			

Documents on File

(acre-ft)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
_get images	588952	72121	2016-06-15	PMT	LOG	C 03960 POD1	T		3.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 03960 POD1		Shallow	NW	SW	NE	21	24S	30E	605061.9	3563712.7		

* 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.

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03960 POD1	NW	SW	NE	21	24S	30E	605061.9	3563712.7	

* UTM location was derived from PLSS - see Help

Driller License:	1753	Driller Company:	VANGUARD WELL RESOURCES, LLC		
Driller Name:	JACOBO FRIESSEN				
Drill Start Date:	2016-11-12	Drill Finish Date:	2016-11-12	Plug Date:	
Log File Date:	2016-11-17	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	6.00	Depth Well:	475	Depth Water:	250

Water Bearing Stratifications:

Top	Bottom	Description
182	250	Sandstone/Gravel/Conglomerate
402	460	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
250	290
395	435

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.

9/2/25 11:21 AM MST

Point of Diversion Summary

Adeline ALN Fed CTB

Site is 71,923.72ft (13.62 miles) from Salt Lake Spring

 Salt Lake Springs

 32.247611, -103.818833

 Salt Lake



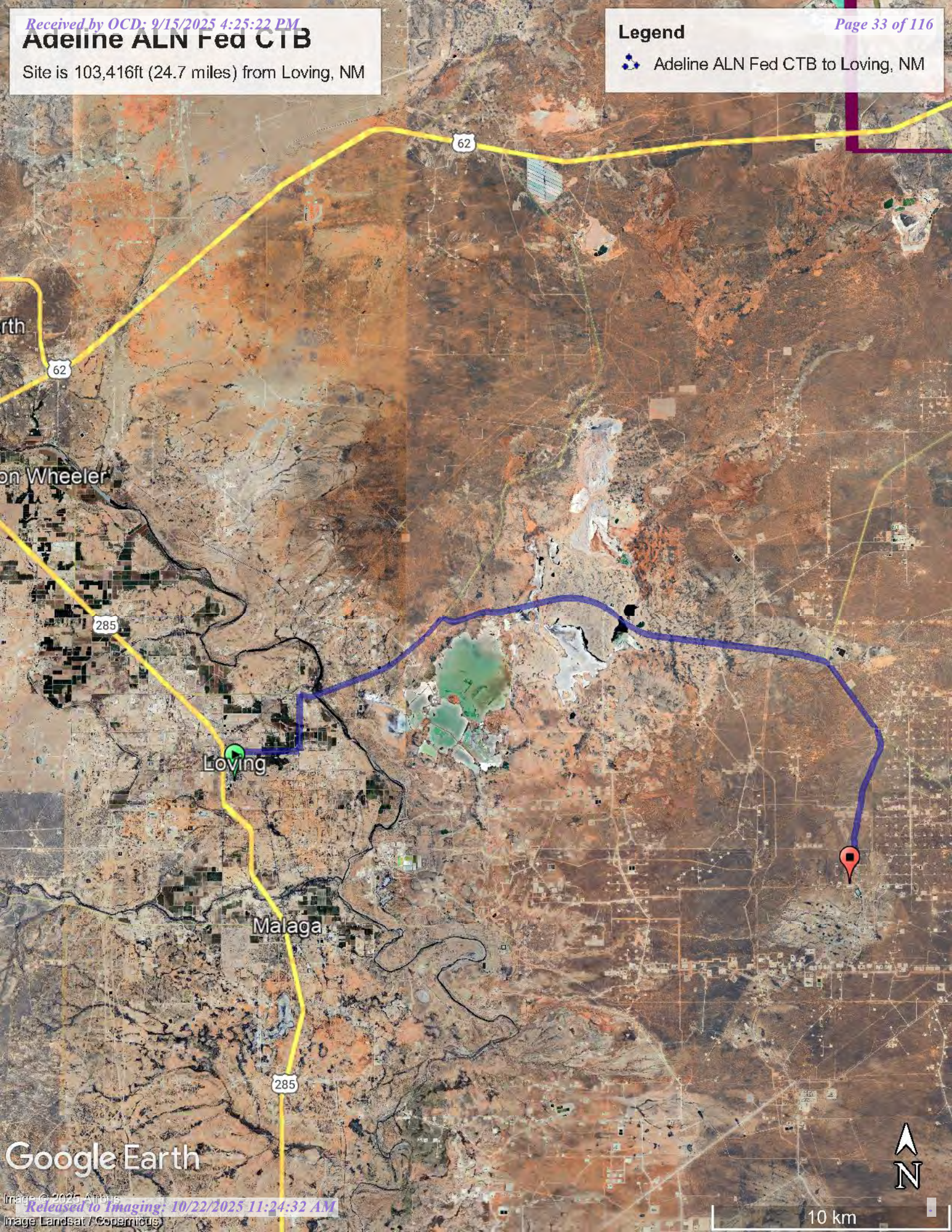
9 km

Adeline ALN Fed CTB

Site is 103,416ft (24.7 miles) from Loving, NM

Legend

 Adeline ALN Fed CTB to Loving, NM

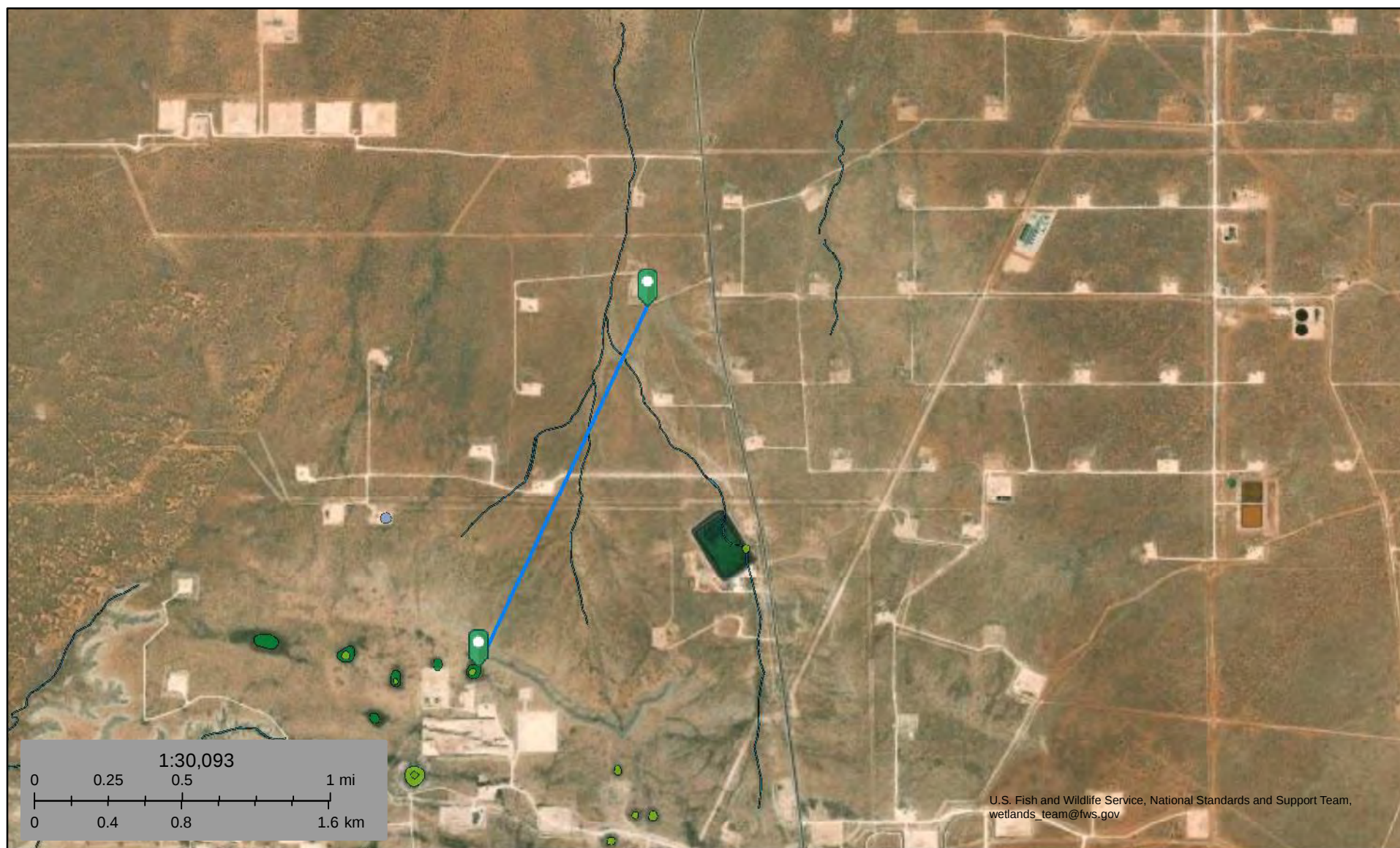


Google Earth

10 km



Site is 6004.7ft to nearest wetland



September 2, 2025

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.

Adeline ALN Fed CTB is 44,191ft (8.37 mi) to nearest underground mine



9/2/2025, 4:01:57 PM

1:144,448

Registered Mines

x Aggregate, Stone etc.

x Aggregate, Stone etc.

Potash

Land Ownership

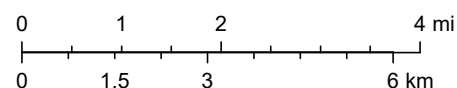
BLM

DOE

P

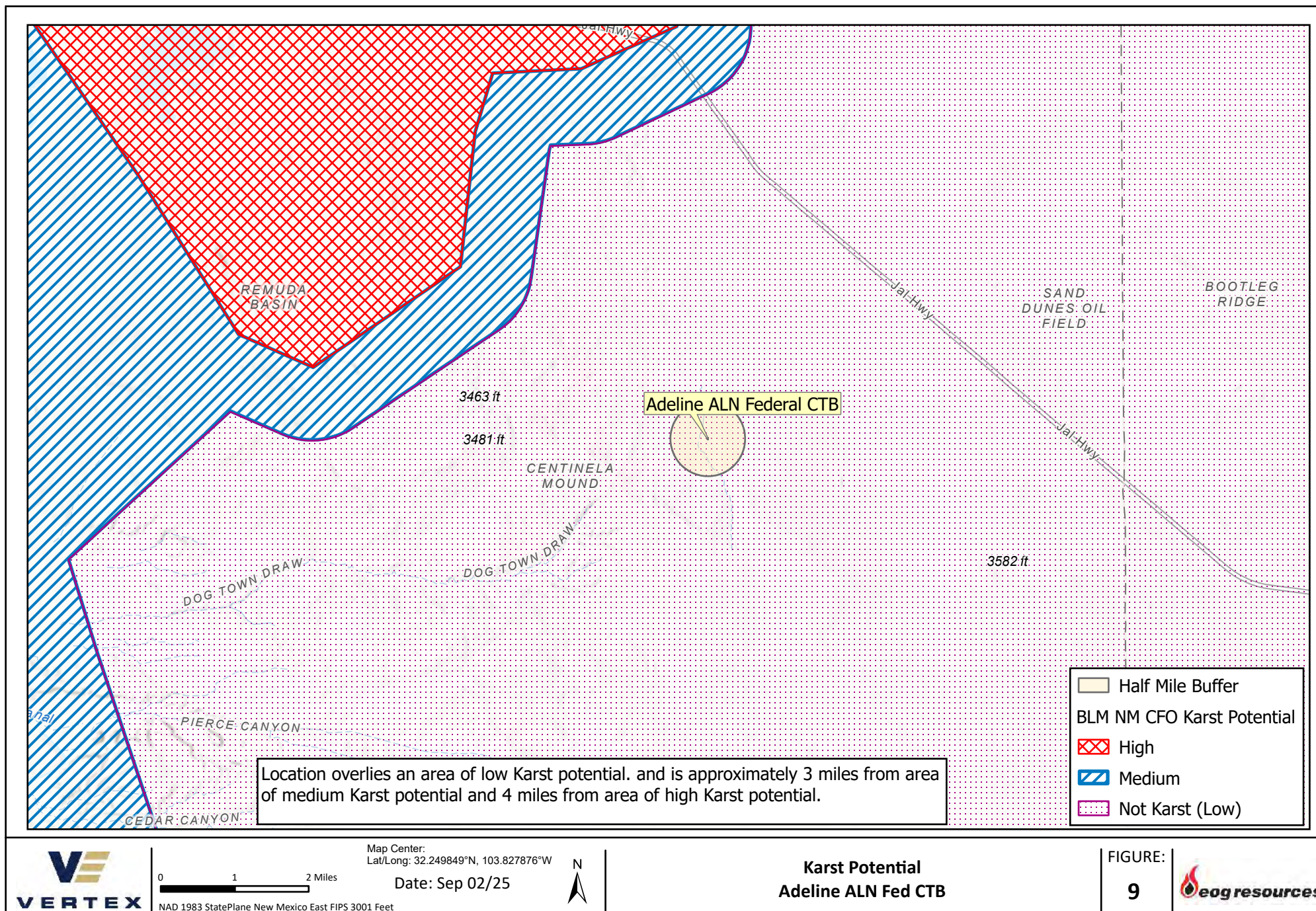
S

PLSS Townships



U.S. BLM, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, BLM

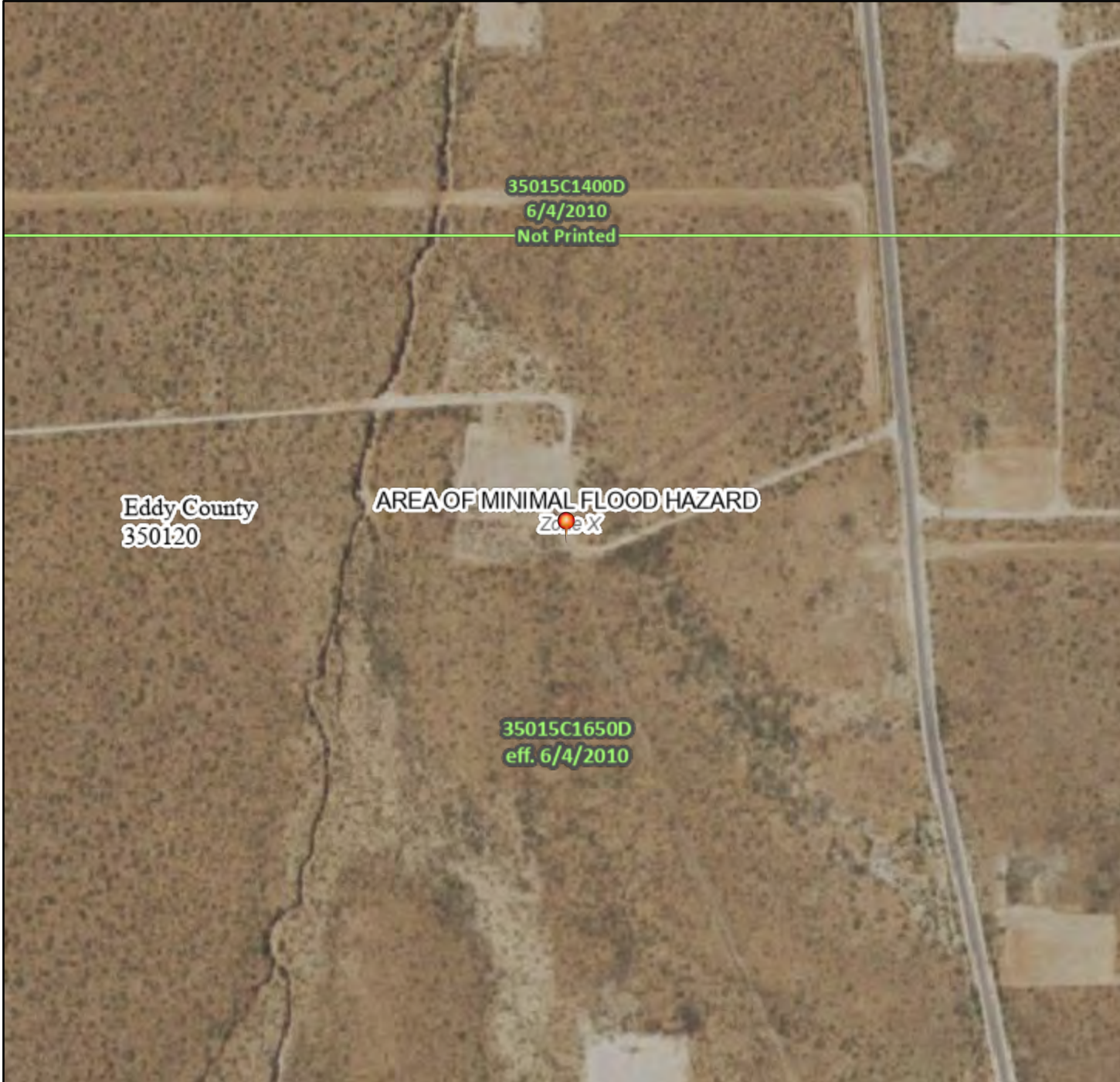
EMNRD MMD GIS Coordinator



National Flood Hazard Layer FIRMette



103°49'27"W 32°15'7"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°48'49"W 32°14'36"N

Released to Imaging: 10/22/2025 10:24:32 AM

Basemap Imagery Source: USGS National Map 2023

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 9/2/2025 at 6:33 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.

Site is 7456.30ft (1.41 miles) from FEMA Flood Zone A

- Adeline ALN Fed CTB
- Feature 1

32.247611, -103.818833

Google Earth

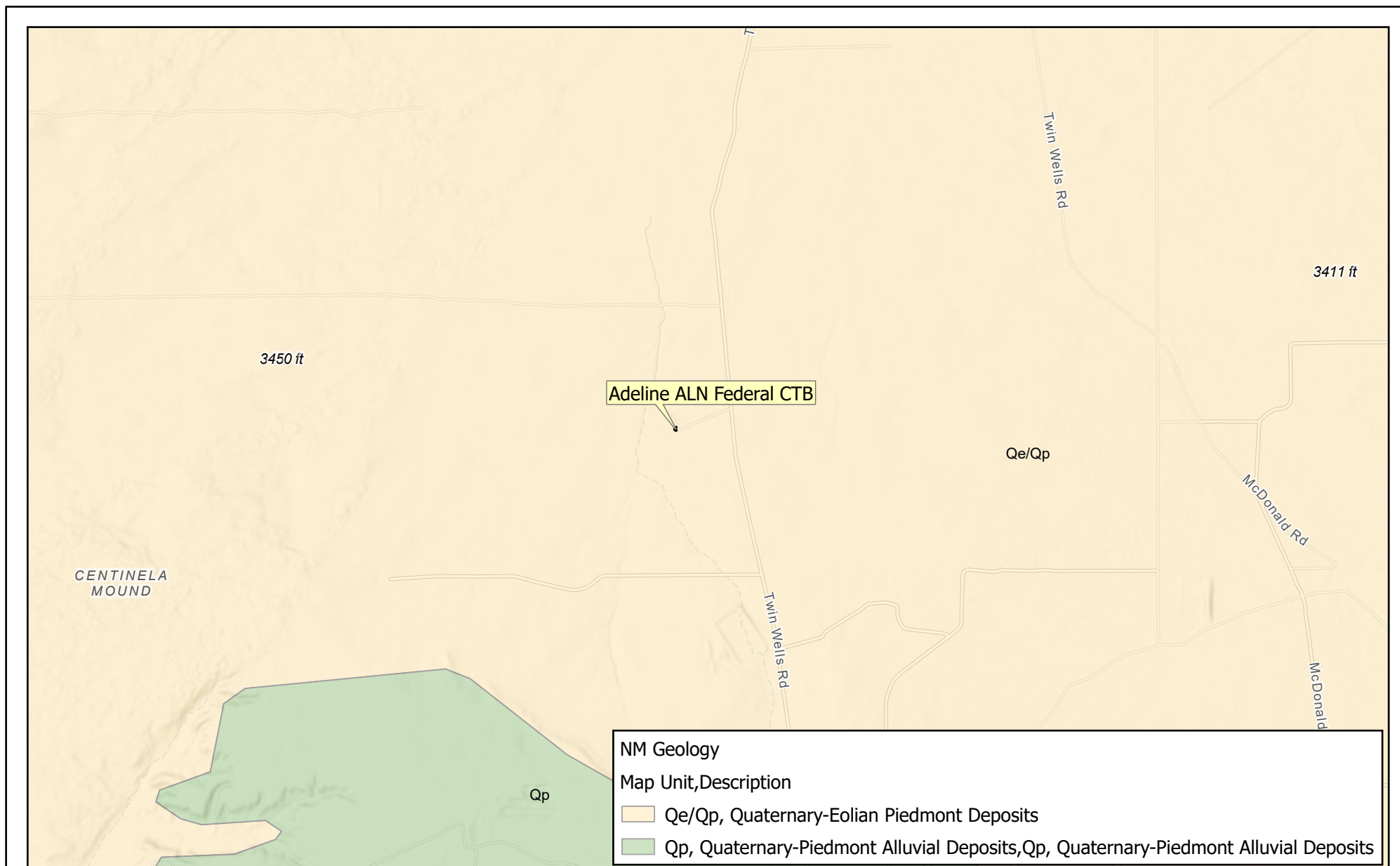
Image © 2025 Airbus

Sand Dunes South Corridor Central...



Custom Soil Resource Report

Eddy Area, New Mexico**TF—Tonuco loamy fine sand, 0 to 3 percent slopes****Map Unit Setting***National map unit symbol:* 1w61*Elevation:* 3,000 to 4,100 feet*Mean annual precipitation:* 10 to 14 inches*Mean annual air temperature:* 60 to 64 degrees F*Frost-free period:* 200 to 217 days*Farmland classification:* Not prime farmland**Map Unit Composition***Tonuco and similar soils:* 98 percent*Minor components:* 2 percent*Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Tonuco****Setting***Landform:* Plains, alluvial fans*Landform position (three-dimensional):* Rise*Down-slope shape:* Convex, linear*Across-slope shape:* Linear*Parent material:* Mixed alluvium and/or eolian sands**Typical profile***H1 - 0 to 5 inches:* loamy fine sand*H2 - 5 to 15 inches:* loamy fine sand*H3 - 15 to 19 inches:* indurated**Properties and qualities***Slope:* 0 to 3 percent*Depth to restrictive feature:* 6 to 20 inches to petrocalcic*Drainage class:* Excessively drained*Runoff class:* Very high*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water supply, 0 to 60 inches:* Very low (about 1.3 inches)**Interpretive groups***Land capability classification (irrigated):* None specified*Land capability classification (nonirrigated):* 7e*Hydrologic Soil Group:* D*Ecological site:* R070BD004NM - Sandy*Hydric soil rating:* No**Minor Components****Tonuco***Percent of map unit:* 1 percent



Map Center:
Lat/Long: 32.246612°N, 103.816998°W

Date: Sep 02/25

N

Geologic Map
Adeline ALN Fed CTB

FIGURE: **13**

0 1,500 3,000 ft

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

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

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

APPENDIX B – Daily Field and Sampling Reports

Daily Site Visit Report



Field Notes

13:14 JSA has been filled out by Vertex Env Tech

13:14 Purpose of today's visit is to delineate and field screen samples acquired

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: Southeast



BH25-01 has been acquired at 0ft and 1ft using a hand auger

Viewing Direction: Southwest



BH25-07 has been acquired at 0ft and 1ft using a hand auger

Viewing Direction: Northeast



Areas where boreholes samples will be acquired from have been swept with a line locator

Viewing Direction: Southwest



BH25-02 has been acquired at 0ft and 1ft using a hand auger



Daily Site Visit Report

Viewing Direction: Northwest  Description Photo - 3 Viewing Direction: Northwest Date: 09-13-2025 Time: 11:45:44 Location: 32° 54' 00" N, 109° 54' 00" W Elevation: 3250 ft Description: BH25-03 has been acquired at 0ft and 1ft using a hand auger	Viewing Direction: Southwest  Description Photo - 4 Viewing Direction: Southwest Date: 09-13-2025 Time: 11:45:44 Location: 32° 54' 00" N, 109° 54' 00" W Elevation: 3250 ft Description: BH25-04 has been acquired at 0ft and 1ft using a hand auger
Viewing Direction: Southeast  Description Photo - 7 Viewing Direction: Southeast Date: 09-13-2025 Time: 11:45:44 Location: 32° 54' 00" N, 109° 54' 00" W Elevation: 3250 ft Description: BH25-08 has been acquired at 0ft and 1ft using a hand auger	Viewing Direction: Southeast  Description Photo - 8 Viewing Direction: Southeast Date: 09-13-2025 Time: 11:45:44 Location: 32° 54' 00" N, 109° 54' 00" W Elevation: 3250 ft Description: BH25-05 has been acquired at 0ft and 1ft using a hand auger



Daily Site Visit Report

Viewing Direction: Northwest Photo 11 Date/Time: 9/13/2025 11:11:28 AM Position: 022.2707°N, 109.8187°W Altitude: 1045m Camera: 1045m Azimuth: 340.0° Orientation: 022.2707°N, 109.8187°W View: 11 Description: Photo 11 Viewing Direction: Northwest Photo: Southwest corner overlooking area of delineation Created: 9/13/2025 11:11:28 AM Lat: 022.2707°N, Long: 109.8187°W Southeast corner overlooking area of delineation	Viewing Direction: Southeast Photo 12 Date/Time: 9/13/2025 11:11:28 AM Position: 022.2707°N, 109.8187°W Altitude: 1045m Camera: 1045m Azimuth: 340.0° Orientation: 022.2707°N, 109.8187°W View: 12 Description: Photo 12 Viewing Direction: Southeast Photo: Southwest corner overlooking area of delineation Created: 9/13/2025 11:11:28 AM Lat: 022.2707°N, Long: 109.8187°W Southwest corner overlooking area of delineation
Viewing Direction: Northeast Photo 13 Date/Time: 9/13/2025 11:11:28 AM Position: 022.2707°N, 109.8187°W Altitude: 1045m Camera: 1045m Azimuth: 340.0° Orientation: 022.2707°N, 109.8187°W View: 13 Description: Photo 13 Viewing Direction: Northeast Photo: Southwest corner overlooking area of delineation Created: 9/13/2025 11:11:28 AM Lat: 022.2707°N, Long: 109.8187°W South end overlooking delineation area	Viewing Direction: Southeast Photo 14 Date/Time: 9/13/2025 11:11:28 AM Position: 022.2707°N, 109.8187°W Altitude: 1045m Camera: 1045m Azimuth: 340.0° Orientation: 022.2707°N, 109.8187°W View: 14 Description: Photo 14 Viewing Direction: Northeast Photo: Southwest corner overlooking area of delineation Created: 9/13/2025 11:11:28 AM Lat: 022.2707°N, Long: 109.8187°W North end overlooking delineation area

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:

A handwritten signature in black ink, appearing to read 'Sharon Minnix', written over a horizontal line. The word 'Signature' is faintly visible below the line.



Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Incident ID #:	<u></u>
Site Location Name:	<u>Adeline ALN Federal CTB</u>	API #:	<u></u>
Inspection Date:	<u>8/14/2025</u>		<u></u>

Summary of Times

Arrived at Site	<u>8/14/2025 1:18 PM</u>
Departed Site	<u>8/14/2025 2:53 PM</u>

Field Notes

14:39 JSA has been filled out by Vertex Env Tech

14:39 Collect a vertical at BH25-06

14:45 Boreholes have been covered up.

Next Steps & Recommendations

1 Send samples to the lab

Daily Site Visit Report



Site Photos

Viewing Direction: Southwest



Site view of the East end of the release

Viewing Direction: Northwest



Site view of site area from the southeast corner. BH25-06 is where auger is at in this image.

Viewing Direction: Northeast



Site view of the south end of the release

Viewing Direction: East



Site view of the south end looking at the release



Daily Site Visit Report

Viewing Direction: Southeast



Site view of the Southwest corner overlooking the release

Viewing Direction: West



BH25-06 at 2.5 ft

Viewing Direction: Southwest



West end of the site overlooking the release

Viewing Direction: Southeast



West end of the site overlooking the release



Daily Site Visit Report



Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:

A handwritten signature in black ink, appearing to read 'Sharon Minnix', written over a horizontal line. Below the line, the word 'Signature' is printed in a small, light font.



Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Incident ID #:	<u></u>
Site Location Name:	<u>Adeline ALN Federal CTB</u>	API #:	<u></u>
Inspection Date:	<u>8/28/2025</u>		<u></u>

Summary of Times

Arrived at Site	<u>8/28/2025 7:37 AM</u>
Departed Site	<u>8/28/2025 5:25 PM</u>

Field Notes

- 8:19** JSA has been filled out by everyone on site
- 8:20** Area has been marked for proposed excavation depth
- 8:20** 7 base samples and 2 wall samples will be collected

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: Northeast



Site view of area before excavation begins from the Southwest corner.

Viewing Direction: Northeast



Site view of area before excavation begins from the South end.

Viewing Direction: Northeast



Site view of area before excavation begins from the Southeast corner looking west

Viewing Direction: Northeast



Site view of area before excavation begins from the Southeast corner looking East.



Daily Site Visit Report

Viewing Direction: Southwest



Site view of area before excavation north end looking towards the south.

Viewing Direction: Southeast



Site view of excavation area. Image taken from the North end where spill went into the road. Excavation at 0.5ft in this area.



Daily Site Visit Report

Viewing Direction: Southeast



Site view of excavation area. Image taken from the North end where spill went into the road looking towards the Southeast. Excavation at 0.5ft and 1.25ft. Excavation at 1.25ft is circled in green and marked with a green "X" in the middle, while surrounding area is at 0.5ft.

Viewing Direction: Southeast



Site view of excavation area. Image taken from the North end where spill went into the road looking towards the Southeast corner where excavation is at 0.5ft.



Daily Site Visit Report

Viewing Direction: Southeast



Site view of excavation area. Image taken from the North end where spill went into the road looking towards the Southeast. Excavation at 0.5ft and 1.25ft. Area has been surrounded by fencing.

Viewing Direction: Southwest



Site view of excavation area. Image taken from the North end where spill went into the road looking towards the Southwest. Excavation at 0.5ft and 1.25ft. Area has been surrounded by fencing.



Daily Site Visit Report

Viewing Direction: Northwest



Site view of excavation area. Image taken from the North end where spill went into the road looking towards the Southeast. Excavation at 0.5ft and 1.25ft. Area has been surrounded by fencing. Excavation at 1.25ft is circled in green and marked with a green "X" in the middle, while surrounding area is at 0.5ft.

Viewing Direction: Northwest



Site view of excavation area. Image taken from the East end looking towards the Northwest. Excavation at 0.5ft and 1.25ft. Area has been surrounded by fencing. Excavation at 1.25ft is circled in green and marked with a green "X" in the middle, while surrounding area is at 0.5ft.



Daily Site Visit Report

Viewing Direction: Southeast



Site view of excavation area. Image taken from the east end looking towards the southwest. Excavation at 0.5ft and 1.25ft. Area has been surrounded by fencing. Excavation at 1.25ft is circled in green and marked with a green "X" in the middle, while surrounding area is at 0.5ft.

Viewing Direction: Southeast



Image to show the change in topography in the excavation. Material present makes it difficult to see the change. Area marked in X is at 1.25ft. Area not marked is at 0.5ft

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:


Signature



Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Incident ID #:	<u></u>
Site Location Name:	<u>Adeline ALN Federal CTB</u>	API #:	<u></u>
Inspection Date:	<u>9/5/2025</u>		<u></u>

Summary of Times

Arrived at Site	<u>9/5/2025 10:54 AM</u>
Departed Site	<u>9/5/2025 1:00 PM</u>

Field Notes

12:45 JSA has been filled out

12:45 Site visit purpose: to rake and hand broadcast the seed mix in the pasture section of the release

12:46 Seed mix used and spread on site is BLM #2

12:47 Area has been raked and seeded. Overcast for the day shows a slight chance of rain which will help the seed sprout sooner

12:52 Vegetation near release is still alive despite it looking squished and dead in the images below.

Next Steps & Recommendations

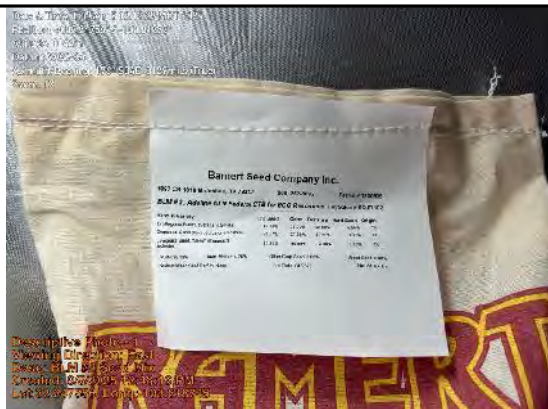
1

Daily Site Visit Report



Site Photos

Viewing Direction: Southeast



BLM #2 Seed Mix

Viewing Direction: Southeast



BLM #2 seed mix bag that contains enough seed to cover one acre

Viewing Direction: Northwest



Area has been raked and seeds have been spread out evenly throughout site. Close up view of seeds

Viewing Direction: Southeast



Area has been raked and seeds have been spread out evenly throughout site. Close up view of seeds



Daily Site Visit Report

Viewing Direction: Northwest  View 4: Time: 9/15/2025 4:25:22 PM Position: 33.025468° N, 102.01838° W Altitude: 1160m Date: 9/15/2025 Time: 16:25:22 Scale: 1:1000000 Description: View 4: Southeast end viewing the site towards the west. Site has been backfilled, raked, and hand seeded. Southeast end viewing the site towards the west. Site has been backfilled, raked, and hand seeded.	Viewing Direction: Northwest  View 4: Time: 9/15/2025 4:25:22 PM Position: 33.025468° N, 102.01838° W Altitude: 1160m Date: 9/15/2025 Time: 16:25:22 Scale: 1:1000000 Description: View 4: Southeast corner viewing the site towards the north corner. Site has been backfilled, raked, and hand seeded. Southeast corner viewing the site towards the north corner. Site has been backfilled, raked, and hand seeded.
Viewing Direction: Southwest  View 4: Time: 9/15/2025 4:25:22 PM Position: 33.025468° N, 102.01838° W Altitude: 1160m Date: 9/15/2025 Time: 16:25:22 Scale: 1:1000000 Description: View 4: Northeast corner viewing the site towards the south end. Site has been backfilled, raked, and hand seeded. Northeast corner viewing the site towards the south end. Site has been backfilled, raked, and hand seeded.	Viewing Direction: Northwest  View 4: Time: 9/15/2025 4:25:22 PM Position: 33.025468° N, 102.01838° W Altitude: 1160m Date: 9/15/2025 Time: 16:25:22 Scale: 1:1000000 Description: View 4: Northeast corner viewing the site towards the southwest corner. Site has been backfilled, raked, and hand seeded. Northeast corner viewing the site towards the southwest corner. Site has been backfilled, raked, and hand seeded.



Daily Site Visit Report

Viewing Direction: Northwest



Southeast corner viewing the site towards the north corner. Image shows area where road has been backfilled. Road was backfilled with caliche and no topsoil. Site has been backfilled, raked, and hand seeded.

Viewing Direction: Southeast



Northwest corner viewing the site towards the southeast end. Site has been backfilled, raked, and hand seeded.



Daily Site Visit Report

Viewing Direction: Southwest



Northwest corner viewing the southwest corner. Site has been backfilled, raked, and hand seeded.

Viewing Direction: Southeast



Northwest corner viewing the site towards the northeast corner towards the road. Site has been backfilled, raked, and hand seeded.

Viewing Direction: Southeast



West end viewing the east end. Site has been backfilled, raked, and hand seeded.

Viewing Direction: Southwest



North corner viewing the site towards the south. Site has been backfilled, raked, and hand seeded.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:

A handwritten signature in black ink, appearing to read 'Sharon Minnix', written over a horizontal line. Below the line, the word 'Signature' is printed in a small, light gray font.

APPENDIX C – Laboratory Data Reports and Chain of Custody Forms



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

August 21, 2025

CHANCE DIXON

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: ADELINE ALN FEDERAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/15/25 12:21.

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:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 01 AT 0 FT (H255087-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	192	16.0	08/18/2025	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	08/15/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 01 AT 1FT (H255087-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 02 AT 0FT (H255087-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 02 AT 1FT (H255087-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 03 AT 0FT (H255087-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	<16.0	16.0	08/18/2025	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	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 03 AT 1FT (H255087-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	<16.0	16.0	08/18/2025	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	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 04 AT 0FT (H255087-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	08/18/2025	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	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 04 AT 1FT (H255087-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	<16.0	16.0	08/18/2025	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	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 05 AT 0FT (H255087-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	<16.0	16.0	08/18/2025	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	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 05 AT 1FT (H255087-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEx	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	<16.0	16.0	08/18/2025	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	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 06 AT 0FT (H255087-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3780	16.0	08/18/2025	ND	432	108	400	7.69	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*	<10.0	10.0	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	97.7	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 06 AT 1FT (H255087-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEx	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	08/18/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 07 AT 0FT (H255087-13)

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	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/18/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	13.1	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 07 AT 1FT (H255087-14)

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	08/18/2025	ND	1.81	90.6	2.00	5.16		
Toluene*	<0.050	0.050	08/18/2025	ND	1.81	90.6	2.00	5.87		
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.80	89.9	2.00	5.42		
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.46	91.0	6.00	5.90		
Total BTEX	<0.300	0.300	08/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/18/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 08 AT 0FT (H255087-15)

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	08/19/2025	ND	1.73	86.7	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56		
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24		
Total BTEX	<0.300	0.300	08/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1780	16.0	08/18/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	210	105	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	189	94.6	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 08 AT 1FT (H255087-16)

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	08/19/2025	ND	1.73	86.7	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56		
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24		
Total BTEX	<0.300	0.300	08/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/18/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	179	89.7	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	175	87.5	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 06 AT 1.5FT (H255087-17)

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	08/19/2025	ND	1.73	86.7	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56		
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24		
Total BTEX	<0.300	0.300	08/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/18/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	179	89.7	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	175	87.5	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/15/2025
 Reported: 08/21/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH25 - 06 AT 2.5FT (H255087-18)

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	08/19/2025	ND	1.73	86.7	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56		
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24		
Total BTEX	<0.300	0.300	08/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500CI-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	08/18/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2025	ND	179	89.7	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/16/2025	ND	175	87.5	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	08/16/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resources Project Manager: Chance Dixon Address: 3101 Boyd Dr City: Carlsbad State: NM Zip: 88220 Phone #: 575.725.5001 Fax #: Project #: 25A-04460 Project Owner: EOG Resources Inc. Project Name: Adeline ALN Federal CTB Project Location: 32.2476111,-103.818833 Sampler Name: Sharon Minnix				BILL TO P.O. #: Company: EOG Resources Inc Attn: Chase Settle Address: 5509 Champions Dr City: Midland State: TX Zip: 79706 Phone #: 575.703.6537 Fax #:				ANALYSIS REQUEST																
FOR LAB USE ONLY																								
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	BTX	CL	TPH								
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :													
#255087		BH25-01 at 0ft		X			X				✓	8.13.25	8:00	X	X	X								
1		BH25-01 at 1ft		X			X					8.13.25	8:30	X	X	X								
2		BH25-02 at 0ft		X			X					8.13.25	9:00	X	X	X								
3		BH25-02 at 1ft		X			X					8.13.25	9:30	X	X	X								
4		BH25-03 at 0ft		X			X					8.13.25	10:00	X	X	X								
5		BH25-03 at 1ft		X			X					8.13.25	10:30	X	X	X								
6		BH25-04 at 0ft		X			x					8.13.25	11:00	X	X	X								
7		BH25-04 at 1ft		X			X					8.13.25	11:30	X	X	X								
8		BH25-05 at 0ft		X			X					8.13.25	12:00	X	X	X								
9		BH25-05 at 1ft		X			x					8.13.25	12:30	X	✓	X								
10																								

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Relinquished By: Date: 8-16-25 Time: 12:21 Date: Time:		Received By: Date: Time:		Verbal Result: ☐ Yes ☒ No Add'l Phone #: All Results are emailed. Please provide Email address: CC. Chance Dixon (CSixon@vertexresource.com), Permian@vertexresource.com, and Sharon Minnix (SMinnix@vertexresource.com) for final report. REMARKS: Bill to EOG Resources Inc. ATTN: Chase Settles	
--	--	--------------------------------	--	--	--

Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C = 0.12 Corrected Temp. °C = 0.22		Sample Condition Cool Intact ☒ Yes ☐ No		CHECKED BY: (Initials) 		Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #113 +140 Correction Factor -0.5°C +0.3		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☒ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C	
--	--	---	--	---	--	----------------------------	--	--	--	--	--

FORM-006 R 3.2 10/07/21



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resources				BILL TO				ANALYSIS REQUEST											
Project Manager: Chance Dixon				P.O. #:															
Address: 3101 Boyd Dr				Company: EOG Resources Inc															
City: Carlsbad State: NM Zip: 88220				Attn: Chase Settle															
Phone #: 575.725.5001 Fax #:				Address: 5509 Champions Dr															
Project #: 25A-04460 Project Owner: EOG Resources Inc.				City: Midland															
Project Name: Adeline ALN Federal CTB				State: TX Zip: 79706															
Project Location: 32.2476111,-103.818833				Phone #: 575.703.6537															
Sampler Name: Sharon Minnix				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		BTEX CL TPH									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								ACID/BASE:	ICE / COOL	OTHER :
H255087	BH25-06 at 0ft	X				X							8.13.25	13:00	X	X	X		
11	BH25-06 at 1ft	X				X							8.13.25	13:30	X	X	X		
12	BH25-07 at 0ft	X				X							8.13.25	14:00	X	X	X		
13	BH25-07 at 1ft	X				X							8.13.25	14:30	X	X	X		
14	BH25-08 at 0ft	X				X							8.13.25	15:30	X	X	X		
15	BH25-08 at 1ft	X				X							8.13.25	16:00	X	X	X		
16																			

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Relinquished By:	Date: 8.15.25 Time: 12:21	Received By:	Verbal Result: ☐ Yes ☒ No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C -0.1 Corrected Temp. °C -0.2	Sample Condition Cool Intact ☒ Yes ☐ No	CC: Chance Dixon (CSixon@vertexresource.com), Permian@vertexresource.com, and Sharon Minnix (SMinnix@vertexresource.com) for final report.
		CHECKED BY: (Initials)	REMARKS:
			Bill to EOG Resources Inc. ATTN: Chase Settles
			Turnaround Time: Standard ☒ Rush ☐
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No
			Thermometer ID 113-#140 Correction Factor -0.5°C +0.3°C
			Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resources				BILL TO				ANALYSIS REQUEST													
Project Manager: Chance Dixon				P.O. #:																	
Address: 3101 Boyd Dr				Company: EOG Resources Inc																	
City: Carlsbad State: NM Zip: 88220				Attn: Chase Settle																	
Phone #: 575.725.5001 Fax #:				Address: 5509 Champions Dr																	
Project #: 25A-04460 Project Owner: EOG Resources Inc.				City: Midland																	
Project Name: Adeline ALN Federal CTB				State: TX Zip: 79706																	
Project Location: 32.2476111,-103.818833				Phone #: 575.703.6537																	
Sampler Name: Sharon Minnix				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING													
H25087																					
17		BH25-06 at 1.5ft		X		X		8.14.25 13:00		BTEX											
18		BH25-06 at 2.5ft		X		X		8.14.25 13:30		CL											
										TPH											

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Relinquished By: <u>Sharon Minnix</u>		Date: <u>8-5-25</u>		Received By: <u>AP</u>		Verbal Result: ☐ Yes ☒ No Add'l Phone #:	
Time: <u>12:21</u>		Time: <u>12:21</u>		Time: <u>12:21</u>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		CC: Chance Dixon (CSixon@vertexresource.com), Permian@vertexresource.com, and Sharon Minnix (SMinnix@vertexresource.com) for final report.	
Time:		Time:		Time:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact ☐ Yes ☒ No ☐ Yes ☒ No ☐ No		Standard ☒ Rush ☐	
		-0.1		Cool Intact ☐ Yes ☒ No ☐ Yes ☒ No ☐ No		Bacteria (only) Sample Condition	
		0.2		Cool Intact ☐ Yes ☒ No ☐ Yes ☒ No ☐ No		Cool Intact Observed Temp. °C	
				CHECKED BY: (Initials) <u>AP</u>		Thermometer ID # <u>113</u> <u>140</u>	
						Correction Factor -0.5°C <u>+0.3</u>	
						Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

September 02, 2025

CHANCE DIXON

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: ADELINE ALN FEDERAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/29/25 13:05.

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, appearing to read "C. Keene", with a stylized flourish at the end.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 01 AT 0.5FT (H255412-01)

BTEX 8021B		mg/ kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99		
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30		
Total BTEX	<0.300	0.300	08/29/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

September 04, 2025

CHANCE DIXON

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: ADELINE ALN FEDERAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/03/25 13:24.

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, appearing to read "C. Keene", with a stylized flourish at the end.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.247611-103.818833

Sampling Date: 09/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BACKFILL - 01 @ OFT (H255466-01)

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	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEX	<0.300	0.300	09/03/2025	ND						

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

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	09/04/2025	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	09/04/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/04/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/04/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.247611-103.818833

Sampling Date: 09/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BACKFILL - 02 @ OFT (H255466-02)

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	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEx	<0.300	0.300	09/03/2025	ND						

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

Chloride, SM4500CI-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	09/04/2025	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	09/04/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/04/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/04/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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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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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Group				BILL TO				ANALYSIS REQUEST																
Project Manager: Chance Dixon				P.O. #:																				
Address: 3101 Boyd Dr				Company: EOG Resource Inc																				
City: Carlsbad State: NM Zip: 88220				Attn: Chase Settle																				
Phone #: 575-725-5001 Fax #:				Address: 5509 Champion Dr																				
Project #: 25A-04460 Project Owner: EOG Resource Inc				City: Midland																				
Project Name: Adeline ALN Federal CTB				State: TX Zip: 79706																				
Project Location: 32.247611, -103.818833				Phone #: 575-103-6537																				
Sampler Name: Sharon Minnix				Fax #:																				
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	TPH	CL	BTEX							
H255400	Backfill-01 at oft	C				X					X	✓	9.3.25	845	X	X	X							
2	Backfill-02 at oft	C				X					X		9.3.25	910	X	X	X							

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Relinquished By: Sharon Minnix	Date: 9.3.25	Received By: APR	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Time: 1324	Received By:	All Results are emailed. Please provide Email address: cc Final Report
Delivered By: (Circle One)	Date:		REMARKS: Permian@vertexresource.com, Sharon MinnixCSMinnix@vertexresource.com
Sampler - UPS - Bus - Other:	Time:		Turnaround Time: Standard ☐ Rush ☒
Observed Temp. °C: 10	Sample Condition: ☒ Cool ☐ Intact	CHECKED BY: (Initials) DP	Bacteria (only) Sample Condition: ☐ Cool ☐ Intact
Corrected Temp. °C: 22	☒ Yes ☐ No		Observed Temp. °C: ☐ Yes ☐ No
			Corrected Temp. °C: ☐ Yes ☐ No
			Thermometer ID: #140 Correction Factor +0.3°C

FORM-000 R 3.0 02/12/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 02 AT 0.5FT (H255412-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99		
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30		
Total BTEX	<0.300	0.300	08/29/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 03 AT 0.5FT (H255412-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99	
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27	
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30	
Total BTEX	<0.300	0.300	08/29/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 04 AT 1.25FT (H255412-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99	
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27	
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30	
Total BTEX	<0.300	0.300	08/29/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 05 AT 0.5FT (H255412-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99	
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27	
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30	
Total BTEX	<0.300	0.300	08/29/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 06 AT 1.25FT (H255412-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99	
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27	
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30	
Total BTEX	<0.300	0.300	08/29/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 07 AT 0.5FT (H255412-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99	
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72	
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27	
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30	
Total BTEX	<0.300	0.300	08/29/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 01 AT 0-0.5FT (H255412-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99		
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30		
Total BTEX	<0.300	0.300	08/29/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/02/2025	ND	448	112	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	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 02 AT 0-0.5FT (H255412-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99		
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30		
Total BTEX	<0.300	0.300	08/29/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 08/29/2025
 Reported: 09/02/2025
 Project Name: ADELINE ALN FEDERAL CTB
 Project Number: 25A - 04460
 Project Location: EOG 32.2476111-103.818833

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 03 AT 0-1.25FT (H255412-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2025	ND	1.59	79.7	2.00	1.99		
Toluene*	<0.050	0.050	08/29/2025	ND	1.72	86.0	2.00	2.72		
Ethylbenzene*	<0.050	0.050	08/29/2025	ND	1.78	89.1	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/29/2025	ND	5.47	91.1	6.00	2.30		
Total BTEX	<0.300	0.300	08/29/2025	ND						

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

Chloride, SM4500CI-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	09/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2025	ND	209	105	200	6.12	
DRO >C10-C28*	<10.0	10.0	08/30/2025	ND	183	91.5	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	08/30/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 40.6-153

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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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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resources				BILL TO				ANALYSIS REQUEST															
Project Manager: Chance Dixon				P.O. #:																			
Address: 3101 Boyd Dr				Company: EOG Resources Inc																			
City: Carlsbad State: NM Zip: 88220				Attn: Chase SetHe																			
Phone #: 575-725-5001 Fax #:				Address: 5509 Champion Dr																			
Project #: 25A-04460 Project Owner: EOG Resources Inc				City: Midland																			
Project Name: Adeline ALN Fed CTB				State: TX Zip: 79706																			
Project Location: 32.247611, -103.818833				Phone #: 575-703-6537																			
Sampler Name: Sharon minnix				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)COMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	CL	TPH						
H255412																							
1	BS25-01 at 0.5ft	C				X							8.28.25	1220	X	X	X						
2	BS25-02 at 0.5ft	C				X							8.28.25	1225	X	X	X						
3	BS25-03 at 0.5ft	C				X							8.28.25	1227	X	X	X						
4	BS25-04 at 1.25ft	C				X							8.28.25	1432	X	X	X						
5	BS25-05 at 0.5ft	C				X							8.28.25	1232	X	X	X						
6	BS25-06 at 1.25ft	C				X							8.28.25	1438	X	X	X						
7	BS25-07 at 0.5ft	C				X							8.28.25	1240	X	X	X						
8	WS25-01 at 0-0.5ft	C				X							8.28.25	1300	X	X	X						
9	WS25-02 at 0-0.5ft	C				X							8.28.25	1312	X	X	X						
10	WS25-03 at 0-1.25ft	C				X							8.28.25	1443	X	X	X						

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Relinquished By: mminix	Date: 8-29-25	Received By: Sharon minnix	Verbal Result: ☐ Yes ☒ No Add'l Phone #:
Time: 1305			All Results are emailed. Please provide Email address: CC: Chance Dixon, CCDixon@vertexresources.com, Permian@vertexresources.com, Sharon Minnix (Smminix@vertexresources.com) For
Relinquished By:	Date:	Received By:	REMARKS: final report.
Time:			Bill to EOG Resources Inc ATTN: Chase SetHe
Delivered By: (Circle One)	Observed Temp. °C: 0.6	Sample Condition: ☒ Cool ☐ Intact	Turnaround Time: #140 to 3:24HR
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 0.9	☐ Yes ☐ No	Thermometer ID: #143
		CHECKED BY: (Initials) SK	Correction Factor: 0.5°C
			Bacteria (only) Sample Condition: ☐ Cool ☐ Intact
			Observed Temp. °C: ☐ Yes ☐ No
			Corrected Temp. °C: ☐ Yes ☐ No

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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 506006

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521500382
Incident Name	NAPP2521500382 ADELINE ALN FEDERAL CTB @ FAPP2203948838
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2203948838] ADELINE ALN FEDERAL CTB

Location of Release Source

Please answer all the questions in this group.

Site Name	Adeline ALN Federal CTB
Date Release Discovered	08/02/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Other Truck Produced Water Released: 28 BBL Recovered: 4 BBL Lost: 24 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	An illegal dump was discovered on the lease road flowing off location at the Adeline ALN Federal CTB. Although the estimated release volume is 14 bbls, this is an illegal dump which could be up to 130 bbls if the truck was full so until soil saturation and footprint are calculated to confirm the estimated volume, EOG has chosen to submit notification due to the possibility that the released volume could increase beyond the visual evaluation of the site. Full details and supporting documentation will be submitted with the C-141.

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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, Page 2

Action 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@eogresources.com Date: 09/15/2025
--	--

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 3

Action 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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)	Greater than 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 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	3780
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	98
GRO+DRO (EPA SW-846 Method 8015M)	98
BTEX (EPA SW-846 Method 8021B or 8260B)	0
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	08/13/2025
On what date will (or did) the final sampling or liner inspection occur	08/28/2025
On what date will (or was) the remediation complete(d)	09/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	1255
What is the estimated volume (in cubic yards) that will be reclaimed	35
What is the estimated surface area (in square feet) that will be remediated	1255
What is the estimated volume (in cubic yards) that will be remediated	35
<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 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	fEEM0112342028 LEA LAND LANDFILL
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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@eogresources.com Date: 09/15/2025
<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 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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Action 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	498815
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1600

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	1255
What was the total volume (cubic yards) remediated	35
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	1255
What was the total volume (in cubic yards) reclaimed	35
Summarize any additional remediation activities not included by answers (above)	The attached Closure Report contains details of the remediation and reclamation activities completed at the site.
<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: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@eogresources.com Date: 09/15/2025

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Action 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1255
What was the total volume of replacement material (in cubic yards) for this site	35
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	09/05/2025
Summarize any additional reclamation activities not included by answers (above)	Full details of the reclamation activities are included in the attached Closure Report.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@eogresources.com Date: 09/15/2025

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Action 506006

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 506006

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 506006
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure/Reclamation Report for Incident #NAPP2521500382 Adeline ALN Federal CTB, thank you. This Remediation Closure/Reclamation Report is approved.	10/22/2025