TETRA TECH

April 27, 2026

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

Re: Release Characterization and Remediation Work Plan
ConocoPhillips
Bobwhite 12 State Com 3H Release
Unit Letter O, Section 01, Township 21 South, and Range 33 East
Lea County, New Mexico
Incident ID: NAPP2602842731
Landowner: State (Merchant Livestock Company Agricultural Lease)

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess and evaluate a release from a flowline associated with the Bobwhite 12 State Com 3H well (API No. 30-025-41137). The release footprint is located in Public Land Survey System (PLSS) Unit Letter O, Section 01, Township 21 South, and Range 33 East, Lea County, New Mexico (Site), approximately 0.39 miles northwest of the well. The approximate release point occurred at coordinates 32.50158°, -103.52544°, as shown in Figures 1 and 2. The Site is located on State Trust Lands leased by Merchant Livestock Company.

BACKGROUND

According to the State of New Mexico initial C-141 Form, the release was discovered on January 28, 2026. Approximately 4.111 barrels (bbls) of oil mixture were released, of which no fluids were recovered. The release source was a leak in a flowline in pasture. The New Mexico Oil Conservation Division (NMOCD) received the C-141 report form for the release on January 28, 2026, and subsequently assigned the release Incident ID nAPP2602842731.

LAND OWNERSHIP

The Site is located on State Trust Land with active agricultural leases (GT31530101 and GT31530000) held by Merchant Livestock Company. A review of the NMSLO Land Status Map was completed, and the release site is located within an active oil and gas lease VB12010001, listed under Chase Oil Corporation. As the release footprint is not located within the boundaries of a lease under ConocoPhillips, a Remediation Right of Entry (ROE) will be acquired prior to remedial activities. Concurrent approval of this work plan will be obtained from the NMSLO prior to initiation of remedial activities.

CULTURAL PROPERTIES PROTECTION

In order to meet the requirements to perform reclamation activities on State Trust Lands, compliance with the cultural properties protection rule and legal authorization to work on State Trust Land was addressed. The New Mexico Administrative Code (NMAC) 19.2.24.8 states “Any persons engaged in activities on state trust lands are subject to the requirements of the Cultural Properties Act, the Cultural Properties Protection Act, and 19.2.24.13 NMAC. Persons shall not disturb, dislodge, damage, destroy, or remove any cultural properties on state trust lands. Any project on state trust lands that has the potential to directly or indirectly damage cultural properties is additionally subject to the requirements of Subsections B, C, D, and E of 19.2.24.8 NMAC.”

Tetra Tech, on behalf of ConocoPhillips, contracted SWCA Environmental Consultants (SWCA) to conduct an Archeological Resources Management Section (ARMS) review in the release area to comply with 19.2.24 NMAC. On April 2, 2026, SWCA completed a literature and file search using the State of New Mexico's New Mexico Cultural Resources Information System online database managed by ARMS of the New Mexico Historic Preservation Division (HPD) which included a review of known cultural resources, such as the built environment, archaeological sites, and State/National Register listed properties. Other sources reviewed include the Bureau of Land Management (BLM) General Land Office (GLO) Records web site, http://www.glorecords.blm.gov, which include land patent and general land office survey data. Land in this area was not administered by colonial Spain, and land grant records were not reviewed.

The review was conducted for the approximately 14.2 square meter Area of Potential Effects (APE) and 500 meters (m) (0.31 mile) surrounding the APE. The land the proposed project is located on shows one land patent for the State of New Mexico from 1924 (accession no. NMR 0031169) issued under the authority of the June 20, 1910: New Mexico Enabling Act (36 Stat. 557). A copy of the cover page of the ARMS letter is included in Appendix A.

Based on the results of the ARMS review, no previously documented resources will be impacted by remediation efforts. The project is located on previously disturbed land from oil and gas construction activities, and the entire project area is covered by previous survey. SWCA recommends that the present ARMS letter satisfy the cultural resource requirements of the remediation project. If cultural materials are identified during ground disturbing activities, ConocoPhillips will stop work and contact the NMSLO.

BIOLOGICALLY SENSITIVE AREA APPLICABILITY

A desktop review was conducted and found that the Site is located outside biologically sensitive areas. The Site is approximately 1.45 miles south of the Isolated Population Area of the Lesser Prairie Chicken habitat. Additionally, the Site is approximately 4.13 miles south of the Dunes Sage Brush Lizard Habitat. A U.S. Fish and Wildlife Service National Wetlands Inventory freshwater emergent wetland was located 1.59 miles northwest of the release Site. The applicable Site biological data is found in Appendix B.

SITE CHARACTERIZATION

A Site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). An OCD water body was located approximately 0.55 miles northwest of the release Site and an OCD probable playa was located 1.04 miles west of the release Site. The Site is in an area of low karst potential.

A groundwater well search was performed through the New Mexico OCD Oil and Gas Map system. There were no wells within a ½-mile (800-meter) radius of the Site. The nearest well, which is located approximately 0.57 miles (915 meters) from the Site, has a total depth of 58 feet (ft) below ground surface (bgs) with no groundwater encountered. The nearest well with groundwater elevation data is located approximately 1.04 miles (1675 meters) from the Site, and the depth to groundwater is 106 ft bgs. The Site characterization data is included as Appendix B.

REGULATORY FRAMEWORK

A comprehensive resource review was completed to further evaluate the Site for sensitive receptors. Results of the desktop and field analyses included in the scope of the review indicated that there are no waters of the U.S., threatened or endangered species, low karst potential, and no surface evidence of karst features within 200 meters of the facility pad. A groundwater well was located approximately 0.57 miles away from the Site, approximately 115 meters (0.07 miles) beyond the applicable radius of 800 meters for groundwater wells, and indicates that groundwater in the area is greater than 50 feet bgs. Based on the Site characterization, and in accordance with Table I of 19.15.29.12 NMAC, the closure criteria for soils with groundwater greater than 50 feet below the surface apply.

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations default to the closure criteria for soils with groundwater less than 50 feet below the surface.

The Surface Use and Compensation Agreement (SUCA) between Merchant Livestock Company (Merchant) and COG Operating LLC includes additional reclamation requirements. The SUCA defines "impacted soil" as "any contaminants greater than 1,000 mg/kg Chlorides; or 1,000 mg/kg TPH (GRO+DRO+MRO); or greater than 50 mg/kg BTEX; or greater than 2.0 Sodium Absorption Ratio (SAR), if the Depth to Groundwater is more than 50 feet." Furthermore, "If the digging and hauling of an Impacted Soil area poses a direct danger to Operator's existing infrastructure, Operator and Merchant shall negotiate an alternate cleanup method on a case-by-case basis."

Constituent	Merchant SUCA Requirements	Reclamation Requirements (0-4 feet bgs)
Chloride	1,000 mg/kg	600 mg/kg
TPH (GRO+DRO+MRO)	1,000 mg/kg	100 mg/kg
BTEX	50 mg/kg	-
Benzene	-	-

2026 SITE VISIT

A Site visit by Tetra Tech personnel was conducted on January 30, 2026, to evaluate the release area, collect photographs, and discern an approximate release footprint. Tetra Tech personnel observed the flowline leak (release source) and released fluids. The release source is a surface flowline that is partially buried at the release point. The visually impacted soils constituted an area of approximately 155 square feet. Photographic documentation of the Site is included in Appendix C.

2026 ASSESSMENT ACTIVITIES

Tetra Tech mobilized to the Site on February 18, 2026, and installed five (5) borings using a hand auger. One (1) boring (AH-1) was installed within the release extent to a maximum depth of 6 ft bgs in attempt to delineate the release vertically. Four (4) borings (AH-2 to AH-5) were installed to 1 ft bgs to delineate the release horizontally. The release extent and assessment sample locations are presented in Figure 3.

A total of nine (9) soil samples were sent to Cardinal Laboratories in Hobbs, New Mexico (Cardinal) to be analyzed for chloride via Standard Method 4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix D.

Results from the February 2026 soil sampling events are summarized in Table 1. Analytical results associated with sample location AH-1 exceeded the SUCA closure criteria for TPH (1,000 mg/kg), benzene (10 mg/kg), and total BTEX (50 mg/kg) in soil intervals from the surface to 6 ft bgs. All other analytical results from the sampling events were below the SUCA closure criteria and surface reclamation requirements. The release extent was not vertically delineated, but horizontal delineation was achieved following the February 18, 2026 sampling event.

Tetra Tech remobilized to the Site on February 25, 2026, in an attempt to achieve vertical delineation at AH-1. One (1) trench (T-1) was installed to a depth of 12 ft bgs using a backhoe. Soil samples were collected from T-1 at 6 ft, 8 ft, 10 ft, and 12 ft bgs. A dense lithological layer was encountered at a depth of 7.5 ft bgs.

A total of four (4) soil samples were sent to Cardinal to be analyzed for chloride via Standard Method 4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix D.

Results from the March 2026 soil sampling events are summarized in Table 1. Analytical results associated with sample location T-1 were above the SUCA Closure Criteria for TPH (1,000 mg/kg) in the 6 ft and 8 ft soil intervals. All other analytical results were below the applicable closure criteria. Vertical delineation of the release extent was successfully achieved in accordance with the Merchant SUCA following the March 2026 additional assessment activities.

REMEDIATION WORK PLAN

Based on the collected analytical results, ConocoPhillips proposes to remove the impacted material as indicated on Figure 4. The entirety of the release footprint will be excavated to a depth of approximately 10 feet below the surrounding surface until a representative sample from the walls and bottom of the excavation are below the Site closure criteria. Approximately 58 cubic yards are proposed for removal.

Heavy equipment (backhoe and track hoe) will be utilized to excavate areas outside the immediate vicinity of pressurized lines and will come no more than 4 feet from any pressurized lines. Impacted soils within the vicinity of the surface and subsurface lines will be removed to the maximum extent practicable using non-aggressive excavation methods. The impacted soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility.

Confirmation floor and sidewall samples will be collected every 200 square feet for verification of remedial activities, and analyzed for TPH, BTEX, and chloride. The proposed excavation is approximately 155 square feet, therefore, one (1) confirmation floor sample and four (4) confirmation sidewall samples will be collected for verification of remedial activities.

The responsible party will notify the OCD two (2) business days prior to conducting final confirmation sampling pursuant to 19.15.29.12.D(1)(a) NMAC, using a Notification of Sampling (C-141N) application. Additionally, ConocoPhillips will notify Merchant prior to initiation of remediation activities and sampling and coordinate to allow a Merchant representative to be present at the time of sampling.

SITE RECLAMATION WORK PLAN

Following completion of the proposed remediation activities, the Site will be reclaimed in accordance with 19.15.29.13 NMAC and the Merchant SUCA. All areas disturbed by the remediation and closure will be reclaimed once confirmation sampling results below the reclamation requirements (or Merchant SUCA requirements, respectively, for areas below 4 ft bgs) are received. Once acceptable confirmation sample results are received, the excavation will be backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area will contain a minimum of 4 ft of non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0 or Method 4500. The soil cover will include a top layer consisting of one ft of suitable material to establish vegetation at the Site.

The backfilled areas in the pasture will be seeded following backfilling, to aid in revegetation. Based on the soils of the Site, the Loamy (L) Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the Site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the Site does not show revegetation after one growing season, the area will be reseeded as appropriate. The Site soil report and NMSLO seed mixture details in corresponding pounds per live seed per acre are included in Appendix E.

CONCLUSION

Remediation activities at the Site are proposed to begin immediately upon receipt of NMOCD and NMSLO plan approval. Remediation efforts will meet 19.15.29.13 NMAC closure criteria. Upon completion of the proposed work, a final closure report detailing the remediation activities, and the results of the confirmation sampling will be submitted to all stakeholders.

If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 739-7874.

Sincerely,
Tetra Tech, Inc.

Samantha Abbott, P.G.
Senior Project Manager

Lisbeth Chavira
Project Manager

cc:
Mr. Jacob Laird – ConocoPhillips
NMSLO ECO
Merchant Livestock Company

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent and Site Assessment
Figure 4 – Proposed Remediation

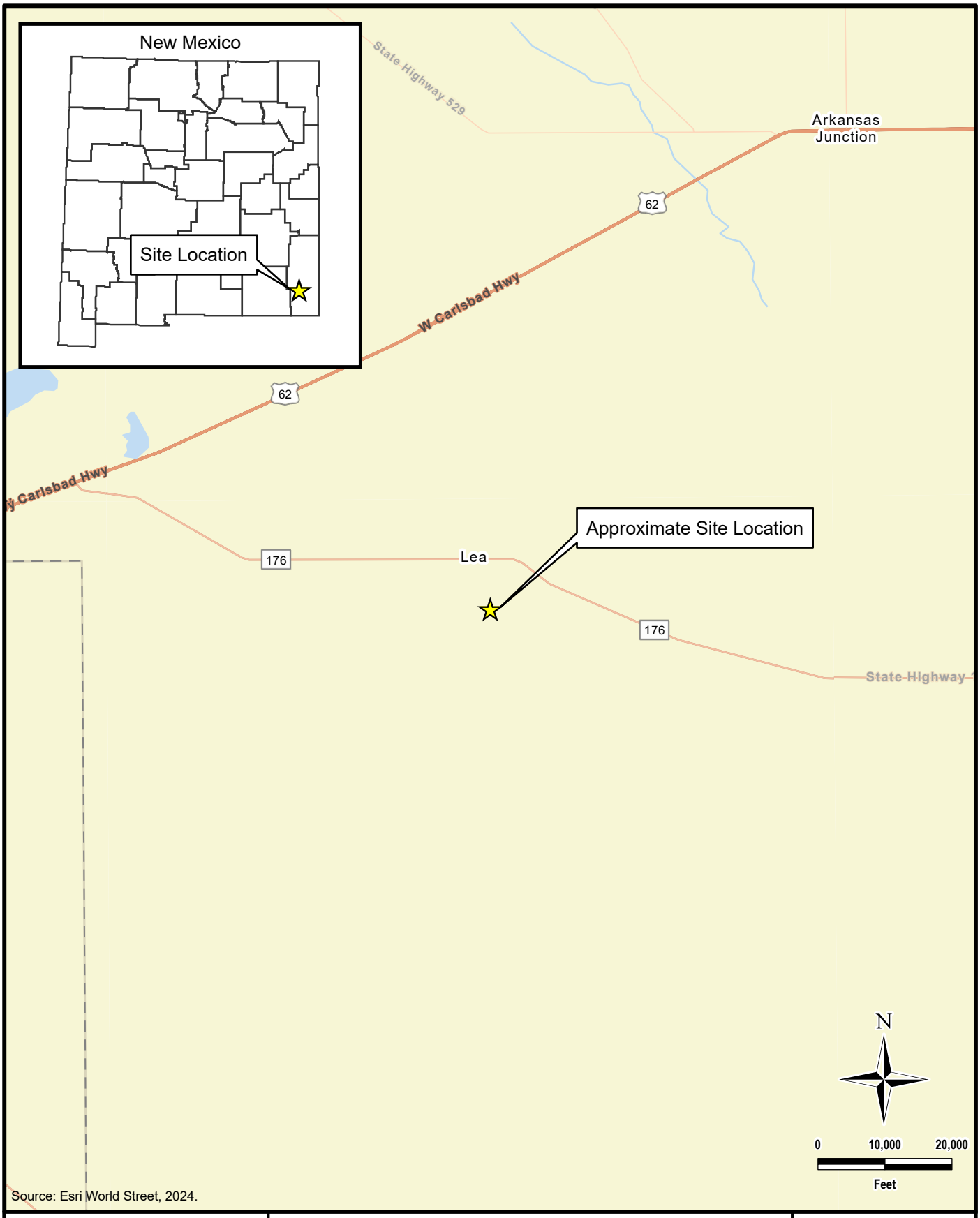
Tables:

Table 1 – Summary of Analytical Results – 2026 Soil Assessment

Appendices:

Appendix A – ARMS Letter
Appendix B – Site Characterization Data
Appendix C – Photographic Documentation
Appendix D – Laboratory Analytical Data
Appendix E – Soil Report and Seed Mix Details

FIGURES



Source: Esri World Street, 2024.

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TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

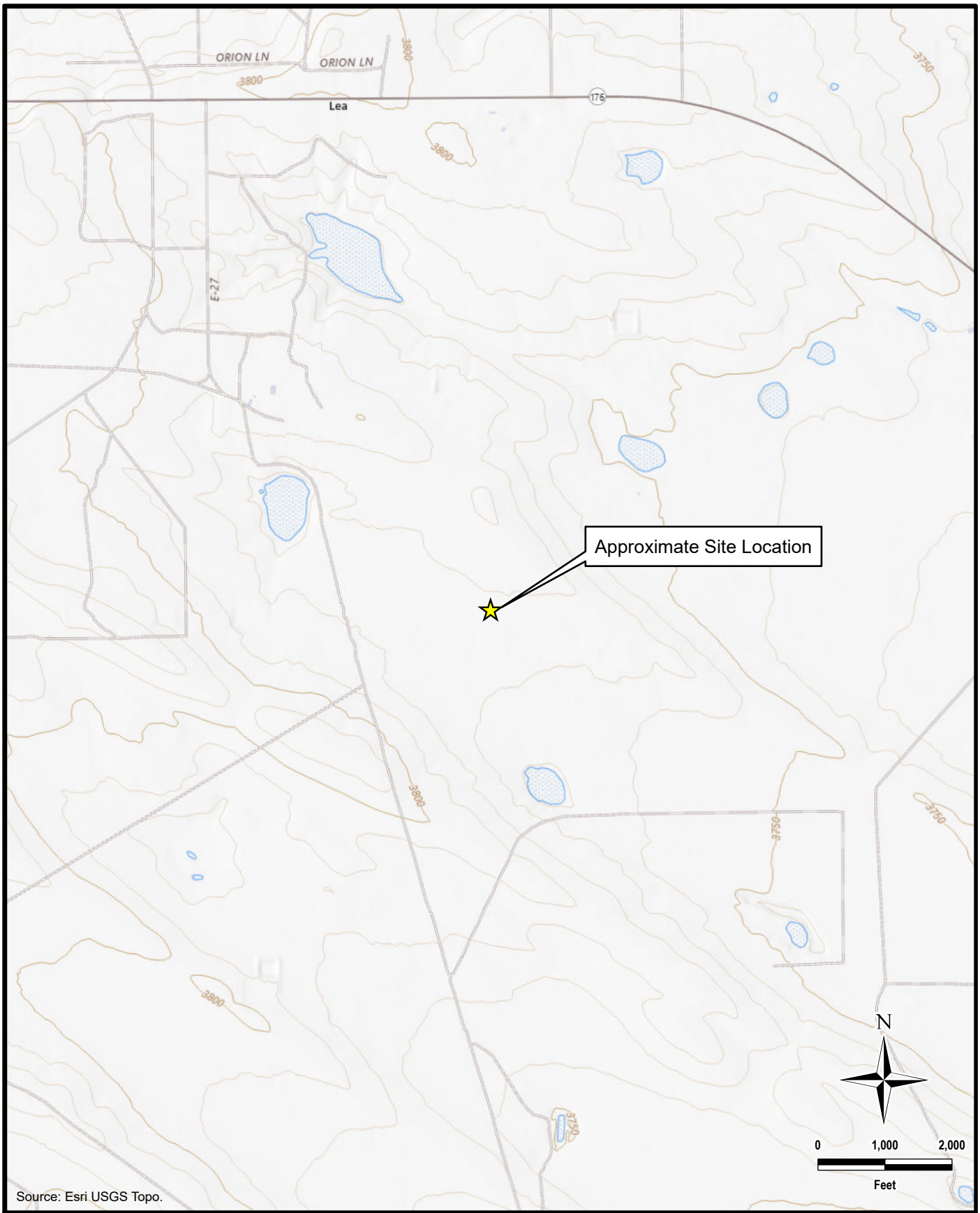
CONOCOPHILLIPS

(32.50158°, -103.52544°)
LEA COUNTY, NEW MEXICO

BOBWHITE 12 STATE COM 3H RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-04132
DATE:	MARCH 09, 2026
DESIGNED BY:	LMV

Figure No.
1



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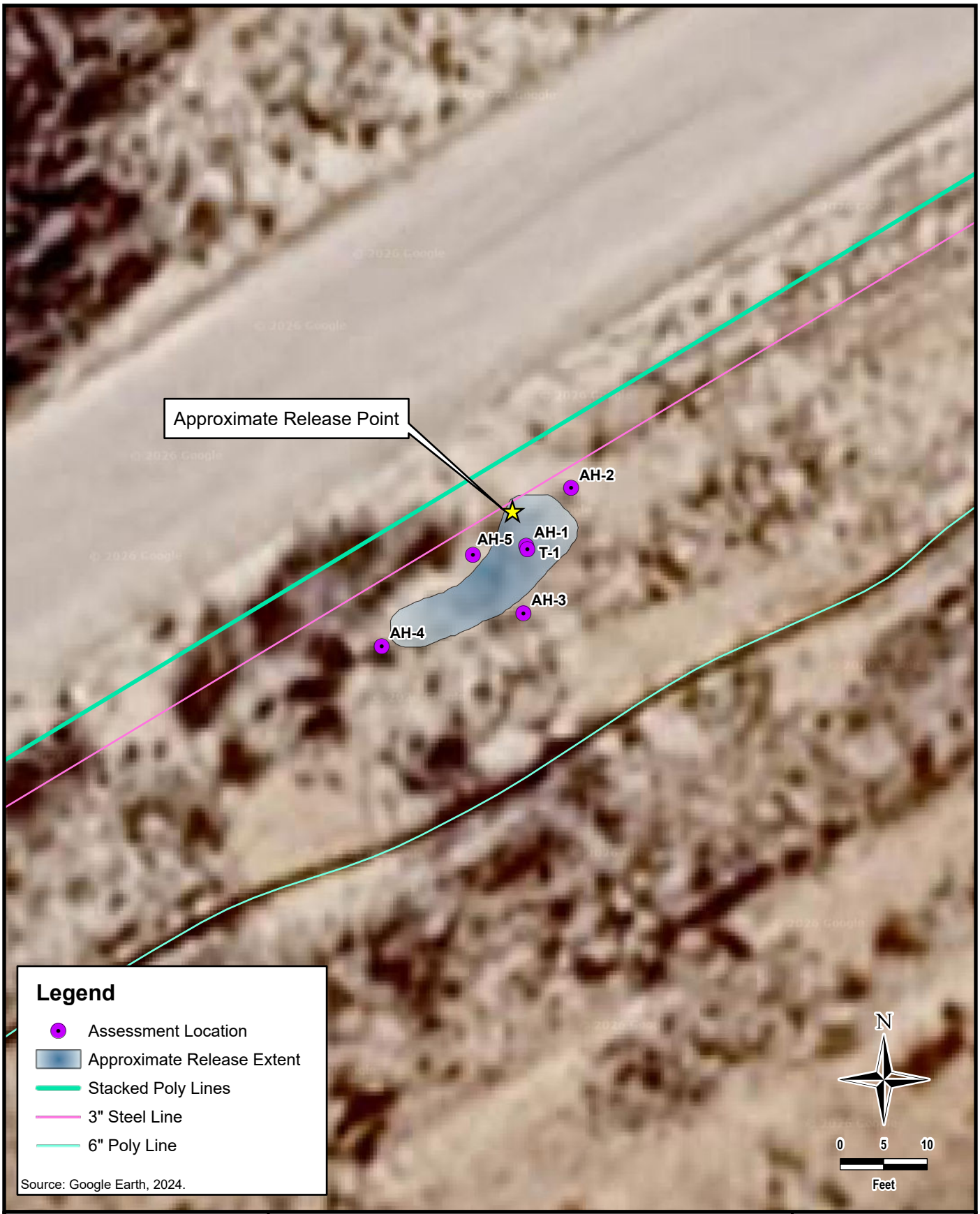
BOBWHITE 12 STATE COM 3H RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-04132
DATE:	MARCH 09, 2026
DESIGNED BY:	LMV

Figure No.
2



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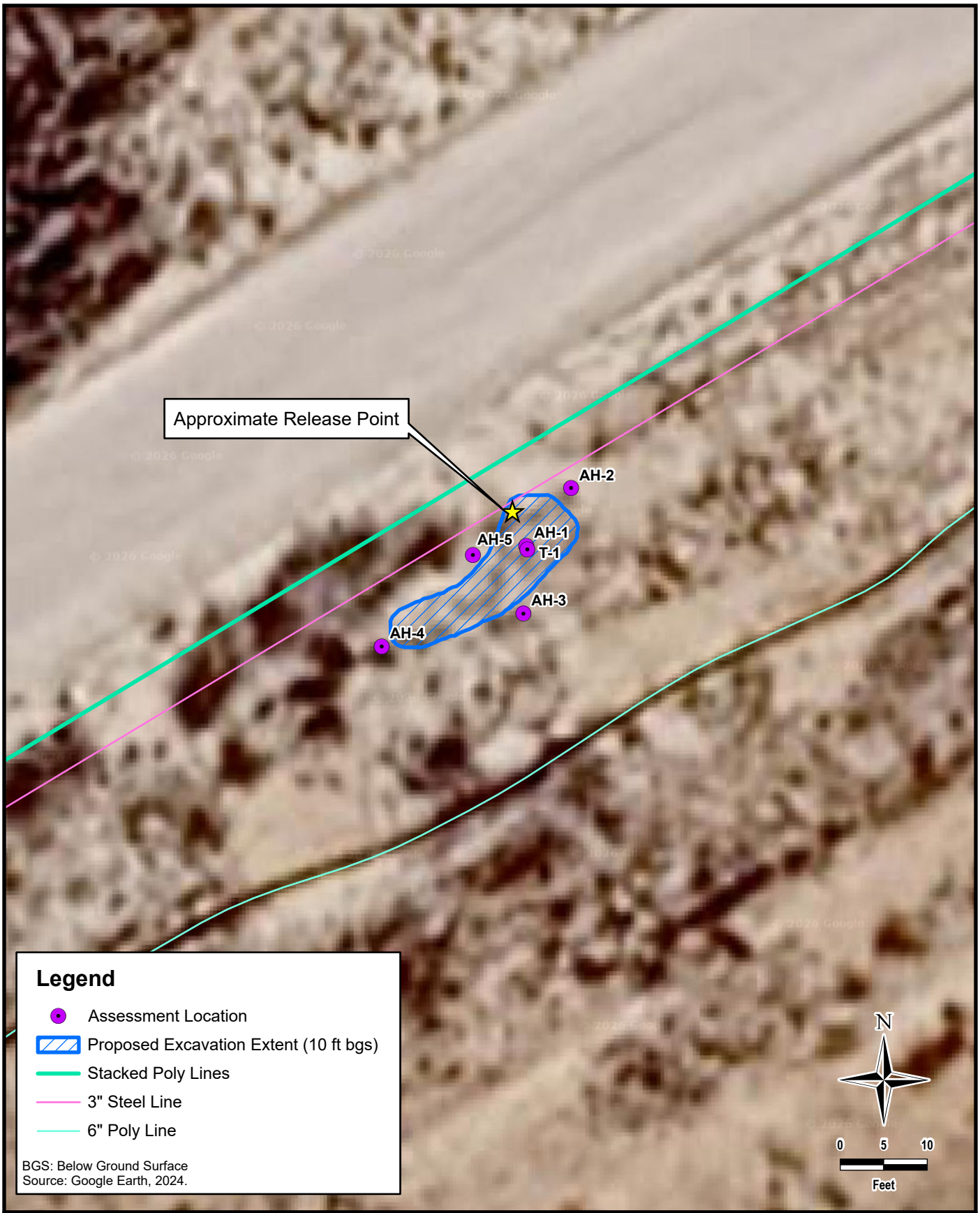
CONOCOPHILLIPS

(32.50158°, -103.52544°)
LEA COUNTY, NEW MEXICO

BOBWHITE 12 STATE COM 3H RELEASE
APPROXIMATE RELEASE AND SITE ASSESSMENT

PROJECT NO.:	212C-MD-04132
DATE:	MARCH 10, 2026
DESIGNED BY:	LMV

Figure No.
3



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CONOCOPHILLIPS

(32.50158°, -103.52544°)
LEA COUNTY, NEW MEXICO

BOBWHITE 12 STATE COM 3H RELEASE
PROPOSED REMEDIATION

PROJECT NO.:	212C-MD-04132
DATE:	MARCH 10, 2026
DESIGNED BY:	LMV

Figure No.
4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2026 SOIL ASSESSMENT- NAPP2602842731
CONOCOPHILLIPS
BOBWHITE 12 STATE COM 3H
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride[1]	BTEX[2]					TPH[3]			
				Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO C_6 - C_{10}	DRO > C_{10} - C_{28}	EXT DRO > C_{28} - C_{36}	Total TPH (GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reclamation Closure Criteria for Soils 0-4 ft bgs:			*600 mg/kg*	*10 mg/kg*	--	--	--	*50 mg/kg*	--		--	*100 mg/kg*
SUCA Closure Criteria for Soils >4 ft bgs (GW >50 ft):			*1,000 mg/kg*	*10 mg/kg*	--	--	--	*50 mg/kg*	*1,000 mg/kg*		--	*1,000 mg/kg*
VERTICAL DELINEATION SAMPLES												
AH-1	2/18/2025	0-1	<16.0	***51.2***	165	57.3	195	***469***	7400	9950	1260	***18610***
		1-2	16.0	***66.0***	196	66.6	223	***552***	8470	11700	1570	***21740***
		2-3	16.0	***65.6***	197	68.7	230	***561***	8530	11800	1420	***21750***
		3-4	48.0	***83.1***	228	78.4	264	***653***	10200	15600	2060	***27860***
		5-6	672	***78***	258	91.2	309	***736***	11300	18400	2210	***31910***
T-1	2/25/2026	6	320	0.468	0.323	<0.050	0.176	0.967	28.2	1010	321	***1359.2***
		8	384	<0.050	0.62	0.218	1.64	2.48	88.5	808	158	***1054.5***
		10	176	<0.050	0.336	0.16	1.48	1.98	71	625	106	802
		12	144	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.5	<10.0	29.5
HORIZONTAL DELINEATION SAMPLES												
AH-2	2/18/2026	0-1	288	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	ND
AH-3	2/18/2026	0-1	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	ND
AH-4	2/18/2026	0-1	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	ND
AH-5	2/18/2026	0-1	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.3	15.1	47.4

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

ND Not detected

Bold and italicized values indicate exceedance of proposed closure criteria.

Shaded rows indicate intervals proposed for excavation.

APPENDIX A
ARMS Letter

SWCA ENVIRONMENTAL CONSULTANTS
Sound Science. Creative Solutions.®

7770 Jefferson Street NE, Suite 410
Albuquerque, New Mexico 87109
Tel 505.254.1115 Fax 505.254.1116
www.swca.com

April 8, 2026

TO: Anne Curry, Director of Cultural Resources, New Mexico State Land Office, Santa Fe, New Mexico

FROM: SWCA Environmental Consultants

SUBJECT: Completion of an Archaeological Records Management Section Review for the Bobwhite 12 State Com 3H Remediation Project in Lea County, NM

Company Ref No: None-Provided

PROJECT DESCRIPTION:

Tetra Tech, Inc. has requested SWCA Environmental Consultants (SWCA) conduct an Archaeological Records Management Section (ARMS) review for the Bobwhite 12 State Com 3H Remediation Project Lea County, New Mexico. The proposed project is on lands managed by the New Mexico State Land Office (NMSLO) approximately 26 miles (43 km) southeast of Hobbs, New Mexico in T21S, R33E, Section 01.

A literature and file search was conducted on April 2, 2026, using the New Mexico Cultural Resources Information System (NMCRIS) online database managed by ARMS of the New Mexico Historic Preservation Division (HPD) which included a review of known cultural resources, such as the built environment, archaeological sites, and State/National Register listed properties. Other sources reviewed include the Bureau of Land Management (BLM) General Land Office (GLO) Records web site, http://www.glorecords.blm.gov, which include land patent and general land office survey data. Land in this area was not administered by colonial Spain, and land grant records were not reviewed.

The review was conducted for the approximately 14.2 square meter Area of Potential Effects (APE) and 500 meters (m) (0.31 mile) surrounding the APE. The land the proposed project is located on shows one land patent for the State of New Mexico from 1924 (accession no. NMR 0031169) issued under the authority of the June 20, 1910: New Mexico Enabling Act (36 Stat. 557).

Recommendation:

The project area and surrounding 500 meters have been subject to thirteen (13) cultural resource surveys, seven (7) of which are considered qualifying (non-seismic and completed within the last 10 years), and are listed in Table 1 below. There is one previously recorded archaeological site within 500 meters of the remediation area. No previously recorded built environment, State-Register or National Register properties are within 500 m of the remediation area. No previously documented resources will be impacted by remediation efforts. The project is located on previously disturbed land from oil and gas construction activities, and the entire project area is covered by previous survey. SWCA recommends that the present ARMS letter satisfy the cultural resource requirements of the remediation project. If cultural materials are identified during ground disturbing activities, work must stop and the NMSLO must be contacted.

Sincerely,

Paisley DeFreese, Associate Project Archaeologist
Attached: (2) Review Results (Table 1 and Table 2) and (1) ARMS Map (Figure 1)

APPENDIX B
Site Characterization

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01981 POD1		CP	LE	NE	NE	SW	01	21S	33E	638346.3	3597890.1		915	58		
CP 00796 POD1		CP	LE	NE	NE	SE	02	21S	33E	637548.0	3597564.0 *		1130	102		
CP 01316 POD1		CP	LE	SW	NE	SE	02	21S	33E	637431.6	3597709.4		1306	1370		
CP 00797 POD1		CP	LE	NW	NE	SE	02	21S	33E	637348.0	3597564.0 *		1306	110		
CP 00803 POD1		CP	LE	SW	NE	NE	02	21S	33E	637337.0	3598168.0 *		1670	1100		
CP 00804 POD1		CP	LE	SW	NE	NE	02	21S	33E	637337.0	3598168.0 *		1670	170		
CP 00579		CP	LE		NE	NE	02	21S	33E	637438.0	3598269.0 *		1675	125	100	25
CP 00611		CP	LE		NE	NW	06	21S	34E	639838.0	3598306.0 *		1858	118	112	6

Average Depth to Water: **106 feet**

Minimum Depth: **100 feet**

Maximum Depth: **112 feet**

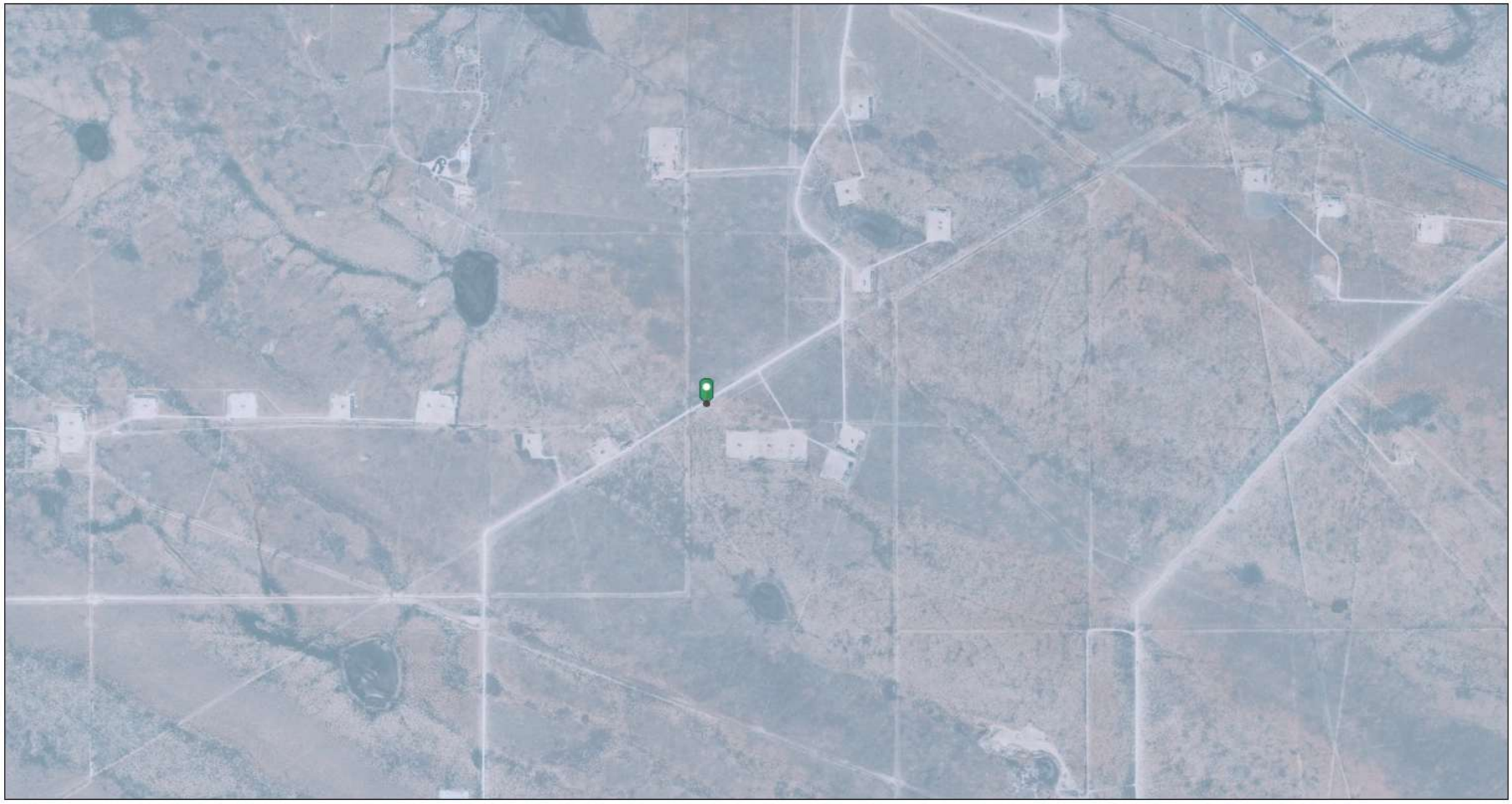
Record Count: 8

Basin/County Search:
County: LE

UTM Filters (in meters):
Easting: 638523.03
Northing: 3596992.17
Radius: 2000

*** UTM location was derived from PLSS - see Help**

Karst Potential (Low)



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Karst Occurrence Potential

Low

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

BLM, OCD, New Mexico Tech, Vantor

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

Hydrology

3/3/2026, 6:18:37 PM

OSW Water Bodys

OSE Probable Playas

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

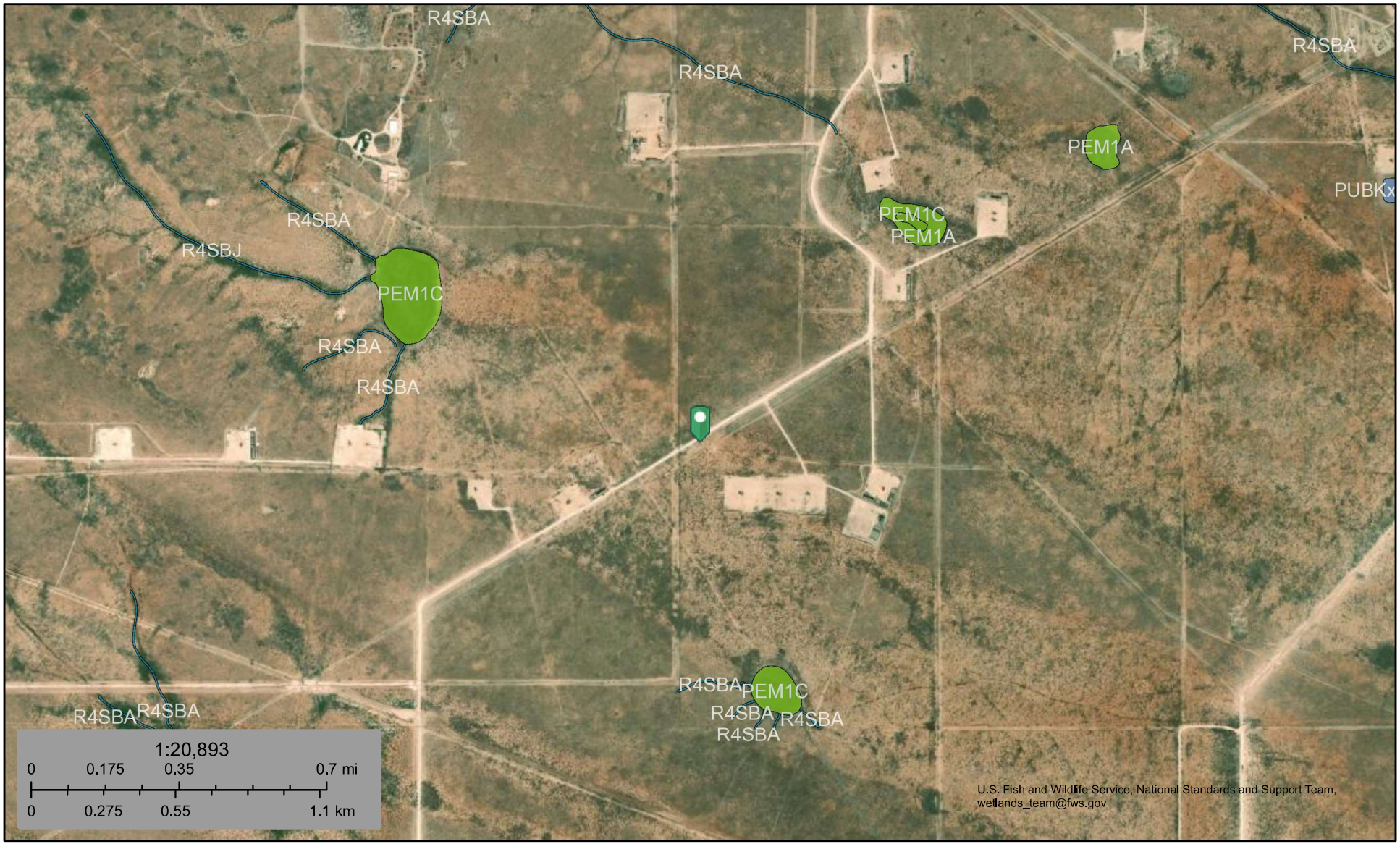
NM OSE, Vantor

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

U.S. Fish and Wildlife Service
National Wetlands Inventory

National Wetlands



March 4, 2026

Wetlands

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

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Biologically Sensitive Areas

3/12/2026

Lesser Prairie Chicken Habitat

Isolated Population Area

1:30,787

0 0.33 0.65 1.3 mi

0 0.5 1 2 km

Bureau of Land Management - New Mexico State Office, Vantor

Active Mines in New Mexico

3/3/2026, 6:38:00 PM

1:36,112

0 0.38 0.75 1.5 mi

0 0.5 1 2 km

Vantor

EMNRD MMD GIS Coordinator
NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

National Flood Hazard Layer FIRMette

FEMA

103°31'50"W 32°30'21"N

103°31'13"W 32°29'51"N

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

1:6,000

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
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

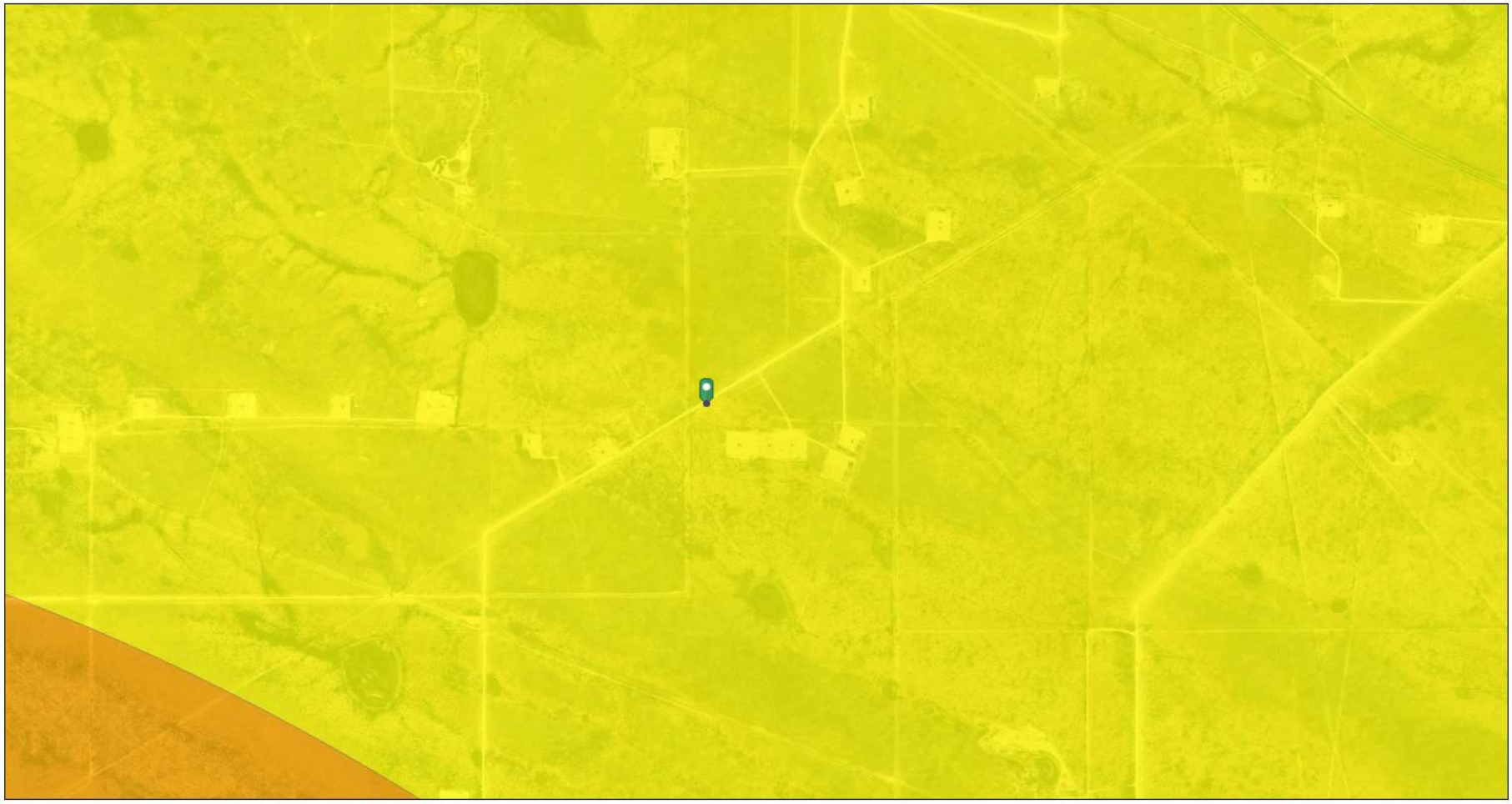
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 4/1/2026 at 9:30 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.

Induced Seismicity



3/3/2026, 6:17:15 PM

Seismic Response 3.0 to 3.4

6 mi.

10 mi.

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Vantor

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

Land Status

0 0.01 0.03 0.05 mi

N

New Mexico State Land Office

Disclaimer:
The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

Map Created: 4/1/2026

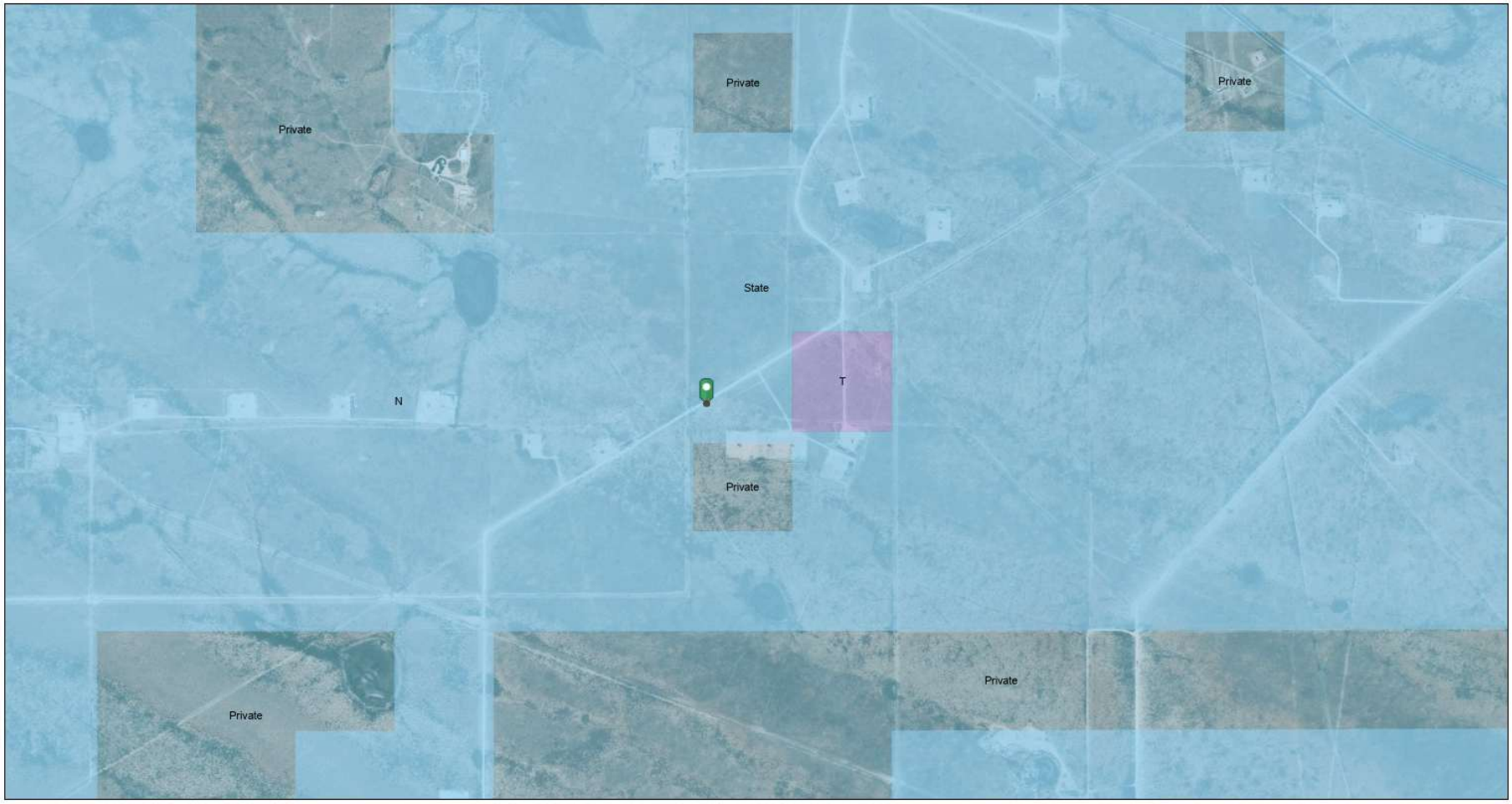
New Mexico State Trust Lands

Subsurface Estate

Surface Estate

Both Estates

Mineral and Surface Ownership



3/3/2026, 6:17:58 PM

1:18,056

Mineral Ownership

N-No minerals are owned by the U.S.

T-Other minerals are owned by the U.S.

Land Ownership

P

S

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

U.S. BLM, Vantor

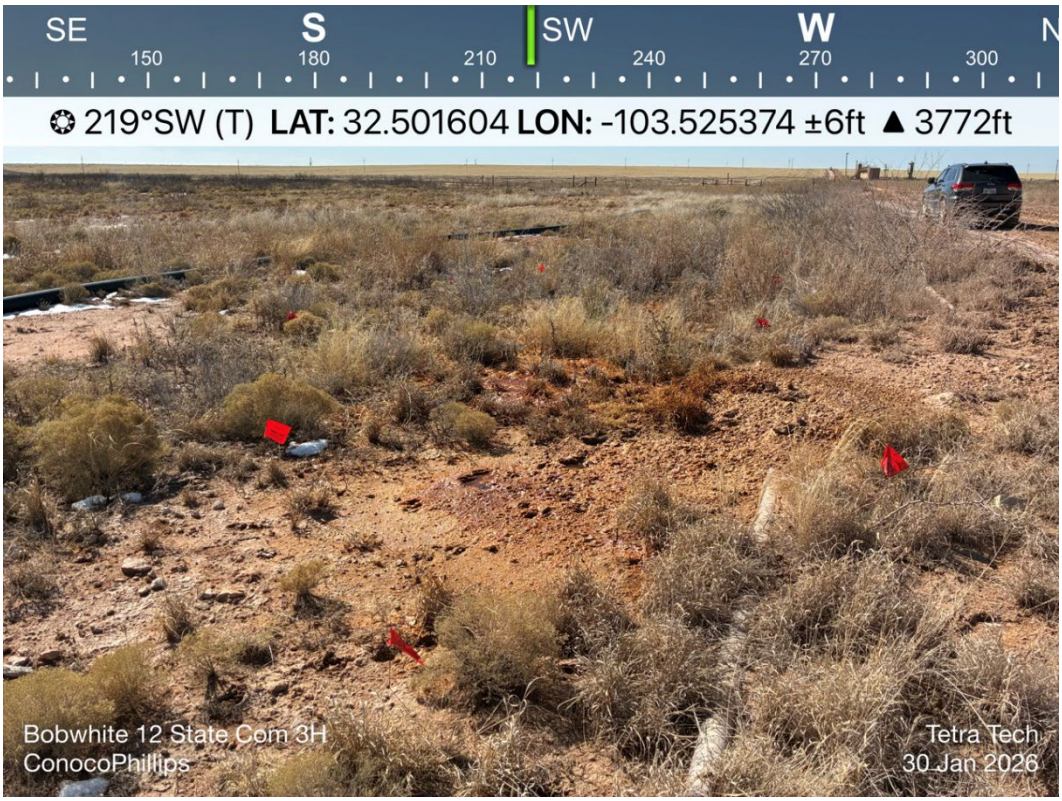
New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

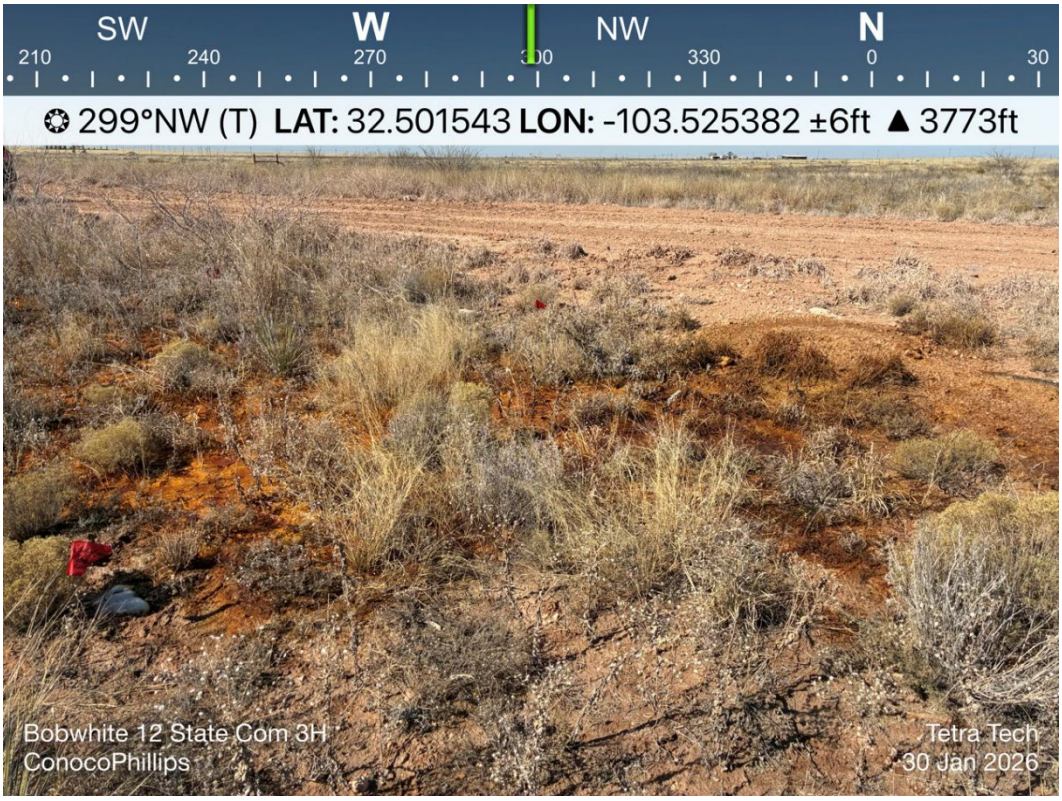
APPENDIX C
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-04132	DESCRIPTION	View east. View of release extent and gas line	1
	SITE NAME	BOBWHITE 12 STATE COM 3H	01/30/2026

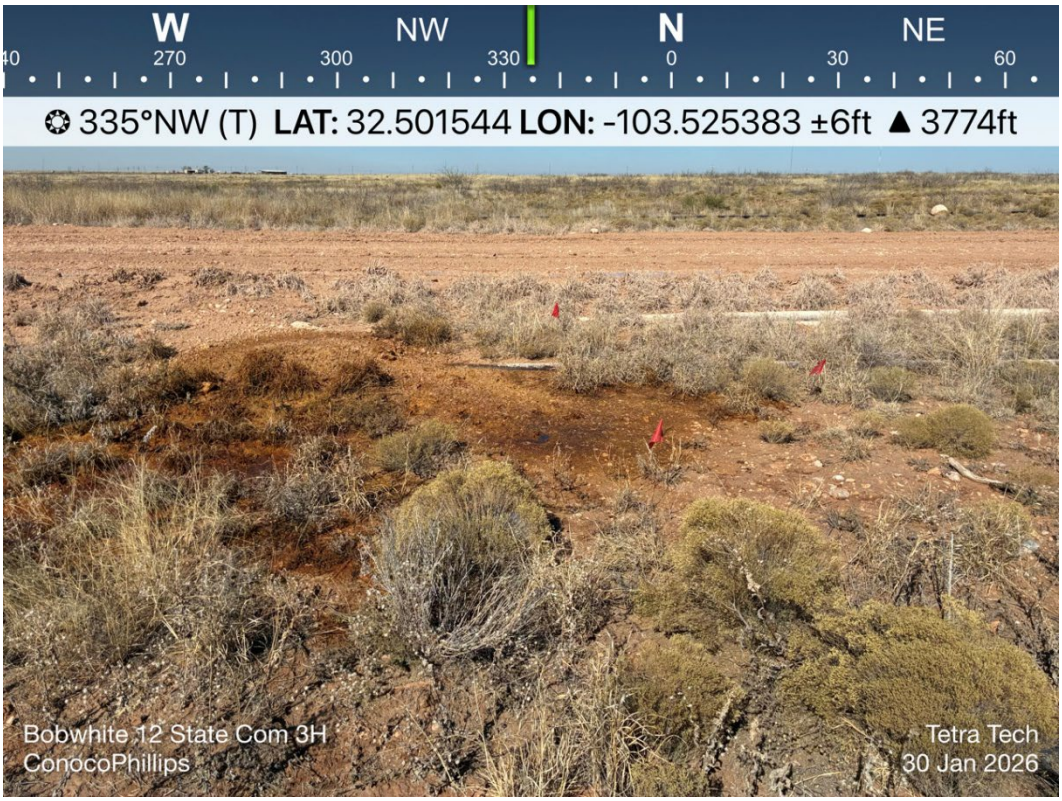
TETRA TECH, INC. PROJECT NO. 212C-MD-04132	DESCRIPTION	View south. View of release extent	2
	SITE NAME	BOBWHITE 12 STATE COM 3H	01/30/2026



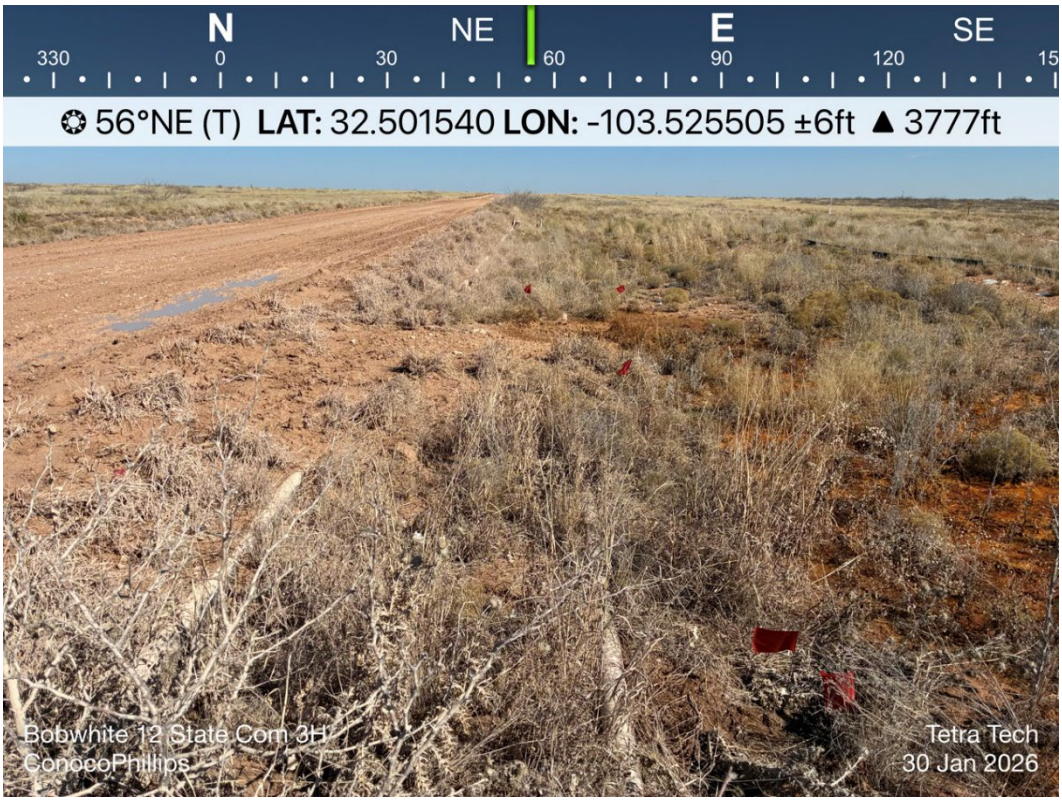
TETRA TECH, INC. PROJECT NO. 212C-MD-04132	DESCRIPTION	View southwest. View of release extent	3
	SITE NAME	BOBWHITE 12 STATE COM 3H	01/30/2026



TETRA TECH, INC. PROJECT NO. 212C-MD-04132	DESCRIPTION	View northwest. View of release extent	4
	SITE NAME	BOBWHITE 12 STATE COM 3H	01/30/2026



TETRA TECH, INC. PROJECT NO. 212C-MD-04132	DESCRIPTION	View northwest. View of release extent	5
	SITE NAME	BOBWHITE 12 STATE COM 3H	01/30/2026



TETRA TECH, INC. PROJECT NO. 212C-MD-04132	DESCRIPTION	View northeast. View of release extent	6
	SITE NAME	BOBWHITE 12 STATE COM 3H	01/30/2026

APPENDIX D
Laboratory Analytical Data

CARDINAL Laboratories

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

February 24, 2026

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BOBWHITE 12 STATE 3H TB

Enclosed are the results of analyses for samples received by the laboratory on 02/18/26 15:06.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 (0-1') (H260959-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**51.2**	2.00	02/19/2026	ND	1.98	98.9	2.00	3.71	QM-07
Toluene*	**165**	2.00	02/19/2026	ND	1.77	88.3	2.00	2.27	QM-07
Ethylbenzene*	**57.3**	2.00	02/19/2026	ND	1.73	86.7	2.00	1.91	QM-07
Total Xylenes*	**195**	6.00	02/19/2026	ND	5.05	84.2	6.00	1.95	QM-07
Total BTEX	**469**	12.0	02/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**7400**	50.0	02/18/2026	ND	225	112	200	4.99	
DRO >C10-C28*	**9950**	50.0	02/18/2026	ND	214	107	200	3.28	
EXT DRO >C28-C36	**1260**	50.0	02/18/2026	ND					

Surrogate: 1-Chlorooctane *582 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *175 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 (1'-2') (H260959-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**66.0**	2.00	02/19/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	**196**	2.00	02/19/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	**66.6**	2.00	02/19/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	**223**	6.00	02/19/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	**552**	12.0	02/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**8470**	50.0	02/18/2026	ND	225	112	200	4.99	
DRO >C10-C28*	**11700**	50.0	02/18/2026	ND	214	107	200	3.28	
EXT DRO >C28-C36	**1570**	50.0	02/18/2026	ND					

Surrogate: 1-Chlorooctane *660 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *201 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 (2'-3') (H260959-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**65.6**	2.00	02/20/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	**197**	2.00	02/20/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	**68.7**	2.00	02/20/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	**230**	6.00	02/20/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	**561**	12.0	02/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**8530**	50.0	02/19/2026	ND	225	112	200	4.99	
DRO >C10-C28*	**11800**	50.0	02/19/2026	ND	214	107	200	3.28	
EXT DRO >C28-C36	**1420**	50.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *664 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *200 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 (3'-4') (H260959-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**83.1**	2.00	02/20/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	**228**	2.00	02/20/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	**78.4**	2.00	02/20/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	**264**	6.00	02/20/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	**653**	12.0	02/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *127 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**10200**	50.0	02/19/2026	ND	225	112	200	4.99	
DRO >C10-C28*	**15600**	50.0	02/19/2026	ND	214	107	200	3.28	
EXT DRO >C28-C36	**2060**	50.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *804 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *246 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 (5'-6') (H260959-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**78.0**	2.00	02/20/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	**258**	2.00	02/20/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	**91.2**	2.00	02/20/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	**309**	6.00	02/20/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	**736**	12.0	02/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *132 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**11300**	50.0	02/19/2026	ND	239	119	200	2.41	
DRO >C10-C28*	**18400**	50.0	02/19/2026	ND	209	104	200	2.78	
EXT DRO >C28-C36	**2210**	50.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *979 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *285 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 2 (0-1') (H260959-06)

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	02/24/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	<0.050	0.050	02/24/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/24/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	<0.150	0.150	02/24/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	<0.300	0.300	02/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2026	ND	239	119	200	2.41	
DRO >C10-C28*	<10.0	10.0	02/19/2026	ND	209	104	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *91.2 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *91.3 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 3 (0-1') (H260959-07)

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	02/20/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	<0.050	0.050	02/20/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/20/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	<0.150	0.150	02/20/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	<0.300	0.300	02/20/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2026	ND	239	119	200	2.41	
DRO >C10-C28*	<10.0	10.0	02/19/2026	ND	209	104	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *91.7 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *92.1 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 4 (0-1') (H260959-08)

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	02/19/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	<0.050	0.050	02/19/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/19/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	<0.150	0.150	02/19/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	<0.300	0.300	02/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2026	ND	239	119	200	2.41	
DRO >C10-C28*	<10.0	10.0	02/19/2026	ND	209	104	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *82.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *82.1 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/18/2026	Sampling Date:	02/18/2026
Reported:	02/24/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 5 (0-1') (H260959-09)

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	02/19/2026	ND	1.98	98.9	2.00	3.71	
Toluene*	<0.050	0.050	02/19/2026	ND	1.77	88.3	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/19/2026	ND	1.73	86.7	2.00	1.91	
Total Xylenes*	<0.150	0.150	02/19/2026	ND	5.05	84.2	6.00	1.95	
Total BTEX	<0.300	0.300	02/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2026	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2026	ND	239	119	200	2.41	
DRO >C10-C28*	**32.3**	10.0	02/19/2026	ND	209	104	200	2.78	
EXT DRO >C28-C36	**15.1**	10.0	02/19/2026	ND					

Surrogate: 1-Chlorooctane *94.0 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *89.1 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	Site Manager: Sam Abbott
Project Name: Bobwhite 12 State 3H TB	(512) 338-2852 Sam.Abbott@tetratech.com
Project Location: (county, state) Lea County NM	Project #: 212C-MD-04132
Invoice to: ATTN: Sam Abbott	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Joel Van Buskirk (575)552-1209
Comments: Include: Sam Abbott Sam.Abbott@tetratech.com	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO- MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 4500	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
H240959		YEAR: 2026																										
1	AH-1 (0-1')	2/18/2026	10:30		X			X	1		X		X											X				
2	AH-1 (1'-2')	2/18/2026	10:33		X			X	1		X		X											X				
3	AH-1 (2'-3')	2/18/2026	10:36		X			X	1		X		X											X				
4	AH-1 (3'-4')	2/18/2026	10:39		X			X	1		X		X											X				
5	AH-1 (5'-6')	2/18/2026	10:42		X			X	1		X		X											X				
6	AH-2 (0-1')	2/18/2026	10:44		X			X	1		X		X											X				
7	AH-3 (0-1')	2/18/2026	10:47		X			X	1		X		X											X				
8	AH-4 (0-1')	2/18/2026	10:50		X			X	1		X		X											X				
9	AH-5 (0-1')	2/18/2026	10:54		X			X	1		X		X											X				

Relinquished by:	Date: 2-18-26	Time: 15:05	Received by: Tamara Latter
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 2-18-26 Time: 1506

LAB USE ONLY

Sample Temperature
-12.0°C
CF +0.1°C
-11.9 #140

REMARKS: Standard 0402401K

- RUSH: Same Day 24 hr 48 hr 72 hr
- Rush Charges Authorized
- Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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CARDINAL Laboratories

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

March 04, 2026

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BOBWHITE 12 STATE 3H TB

Enclosed are the results of analyses for samples received by the laboratory on 02/26/26 11:54.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/26/2026	Sampling Date:	02/25/2026
Reported:	03/04/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: T - 1 (6') (H261099-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.468**	0.050	02/27/2026	ND	1.98	99.1	2.00	1.15	
Toluene*	**0.323**	0.050	02/27/2026	ND	1.85	92.4	2.00	0.274	
Ethylbenzene*	<0.050	0.050	02/27/2026	ND	1.78	88.8	2.00	0.907	
Total Xylenes*	**0.176**	0.150	02/27/2026	ND	5.46	91.0	6.00	0.0853	
Total BTEX	**0.967**	0.300	02/27/2026	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	02/27/2026	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**28.2**	10.0	02/26/2026	ND	207	103	200	2.20	
DRO >C10-C28*	**1010**	10.0	02/26/2026	ND	206	103	200	2.79	
EXT DRO >C28-C36	**321**	10.0	02/26/2026	ND					

Surrogate: 1-Chlorooctane *86.5 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *105 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/26/2026	Sampling Date:	02/25/2026
Reported:	03/04/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: T - 1 (8') (H261099-02)

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	02/27/2026	ND	1.98	99.1	2.00	1.15	
Toluene*	**0.620**	0.050	02/27/2026	ND	1.85	92.4	2.00	0.274	
Ethylbenzene*	**0.218**	0.050	02/27/2026	ND	1.78	88.8	2.00	0.907	
Total Xylenes*	**1.64**	0.150	02/27/2026	ND	5.46	91.0	6.00	0.0853	
Total BTEX	**2.48**	0.300	02/27/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	02/27/2026	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**88.5**	10.0	02/26/2026	ND	207	103	200	2.20	
DRO >C10-C28*	**808**	10.0	02/26/2026	ND	206	103	200	2.79	
EXT DRO >C28-C36	**158**	10.0	02/26/2026	ND					

Surrogate: 1-Chlorooctane *90.9 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *101 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/26/2026	Sampling Date:	02/25/2026
Reported:	03/04/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: T - 1 (10') (H261099-03)

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	02/27/2026	ND	1.98	99.1	2.00	1.15	
Toluene*	**0.336**	0.050	02/27/2026	ND	1.85	92.4	2.00	0.274	
Ethylbenzene*	**0.160**	0.050	02/27/2026	ND	1.78	88.8	2.00	0.907	
Total Xylenes*	**1.48**	0.150	02/27/2026	ND	5.46	91.0	6.00	0.0853	
Total BTEX	**1.98**	0.300	02/27/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	02/27/2026	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**71.0**	10.0	02/26/2026	ND	207	103	200	2.20	
DRO >C10-C28*	**625**	10.0	02/26/2026	ND	206	103	200	2.79	
EXT DRO >C28-C36	**106**	10.0	02/26/2026	ND					

Surrogate: 1-Chlorooctane *81.9 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *86.1 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/26/2026	Sampling Date:	02/25/2026
Reported:	03/04/2026	Sampling Type:	Soil
Project Name:	BOBWHITE 12 STATE 3H TB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 04132	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: T - 1 (12') (H261099-04)

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	02/27/2026	ND	1.98	99.1	2.00	1.15	
Toluene*	<0.050	0.050	02/27/2026	ND	1.85	92.4	2.00	0.274	
Ethylbenzene*	<0.050	0.050	02/27/2026	ND	1.78	88.8	2.00	0.907	
Total Xylenes*	<0.150	0.150	02/27/2026	ND	5.46	91.0	6.00	0.0853	
Total BTEX	<0.300	0.300	02/27/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *70.4-141*

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	02/27/2026	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2026	ND	207	103	200	2.20	
DRO >C10-C28*	**29.5**	10.0	02/26/2026	ND	206	103	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	02/26/2026	ND					

Surrogate: 1-Chlorooctane *71.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *69.4 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	Site Manager: Sam Abbott
Project Name: Bobwhite 12 State 3H TB	(512) 338-2852 Sam.Abbott@tetratech.com
Project Location: (county, state) Lea County NM	Project #: 212C-MD-04132
Invoice to: ATTN: Sam Abbott	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Robert D—
Comments: Include: Sam Abbott Sam.Abbott@tetratech.com	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2026)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO- MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 4500	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
H26109																																				
1	T-1 (6')	2/25/2026	14:30		X				X			1		X		X												X								
2	T-1 (8')	2/25/2026	15:00		X				X			1		X		X												X								
3	T-1 (10')	2/25/2026	16:30		X				X			1		X		X												X								
4	T-1 (12')	2/25/2026	17:00		X				X			1		X		X												X								

Relinquished by: Robert D—	Date: 2-25-26	Time: 11:54am	Received by: Tamara Oldaker
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 2-26-26 Time: 1154

LAB USE ONLY

Sample Temperature
3.2°C / 3.3°C
CF +0.1°C
#140

REMARKS: Standard
No Labels

- RUSH: Same Day 24 hr 48 hr 72 hr
- Rush Charges Authorized
- Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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APPENDIX E
Soil Report and Seed Mix Details

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

March 13, 2026

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	1.9	100.0%
Totals for Area of Interest		**1.9**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw43
Landscape: Plateaus
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough, dry, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough, Dry

Setting

Landscape: Plateaus
Landform: Plains, Playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear, concave
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Eunice

Percent of map unit: 10 percent
Landscape: Plateaus
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landscape: Plateaus
Landform: Plains, Playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent
Landscape: Plateaus
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

NMSLO Seed Mix Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	**VNS, Southern**	**1.0**	**D**
Blue grama	**Lovington**	**1.0**	**D**
Sideoats grama	**Vaughn, El Reno**	**4.0**	**F**
Sand dropseed	**VNS, Southern**	**2.0**	**S**
Alkali sacaton	**VNS, Southern**	**1.0**	
Little bluestem	**Cimarron, Pastura**	**1.5**	**F**
Forbs:			
Firewheel (*Gaillardia*)	**VNS, Southern**	**1.0**	**D**
Shrubs:			
Fourwing saltbush	**Marana, Santa Rita**	**1.0**	**D**
Common winterfat	**VNS, Southern**	**0.5**	**F**
	Total PLS/acre	**18.0**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

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

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2602842731**
Incident Name	**NAPP2602842731 BOBWHITE 12 STATE COM 3H @ O-01-21S-33E**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Bobwhite 12 State Com 3H
Date Release Discovered	01/28/2026
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Normal Operations | Pipeline (Any) | Crude Oil | Released: 3 BBL | Recovered: 0 BBL | Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations | Pipeline (Any) | Produced Water | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 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)	*Not answered.*

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 04/28/2026

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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	Greater than 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 ½ and 1 (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 ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	384
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	31910
GRO+DRO (EPA SW-846 Method 8015M)	29700
BTEX (EPA SW-846 Method 8021B or 8260B)	736
Benzene (EPA SW-846 Method 8021B or 8260B)	83.1
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.	
On what estimated date will the remediation commence	06/29/2026
On what date will (or did) the final sampling or liner inspection occur	06/29/2026
On what date will (or was) the remediation complete(d)	07/01/2026
What is the estimated surface area (in square feet) that will be reclaimed	155
What is the estimated volume (in cubic yards) that will be reclaimed	58
What is the estimated surface area (in square feet) that will be remediated	155
What is the estimated volume (in cubic yards) that will be remediated	58
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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 (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112334510 HALFWAY DISPOSAL AND 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.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 04/28/2026
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 579661
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	The remediation plan is approved as written. COG has 90-days (September 14, 2026) to submit to OCD its appropriate or final remediation closure report.	6/16/2026