26A-00901

Remediation Work Plan

PLU 22 DTD CVB

nAPP2602937605

BLM Lease Number: NMNM105557224

Coordinates: 32.21251, -103.871221

Prepared for:
Dale Woodall

Prepared by:
Vertex Resource Services Inc.

Date:
February 2026

Remediation Work Plan
PLU 22 DTD CVB

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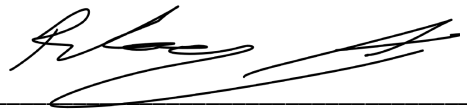
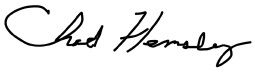


February 19, 2026

Riley Arnold, B. Sc.
ENVIRONMENTAL FIELD TECNICIAN, REPORTING

Date



February 19, 2026

Chad Hensley, B. Sc., GCNR
SENIOR PROJECT MANAGER, REPORT REVIEW

Date

Executive Summary

Vertex performed the initial site assessment on January 29, 2026, and identified an area of interest (AOI) on the production site and placed an 811-ticket request. On February 4, 2026, and February 5, 2026, seven (7) Borehole samples were obtained within the AOI. A total of 17 samples were submitted for laboratory analysis of BTEX, chlorides, and hydrocarbons. Analytical results indicated that BH26-05, BH26-06, and BH26-07 exceeded Closure Criteria at surface and met Closure Criteria at 1 foot below ground surface. BH26-01, through BH26-04 were within Closure Criteria at surface and 1 foot Below ground surface as defined in 19.15.29 NMAC.

Excavation of impacted soils within the AOI will commence once Remediation Work Plan is Approved by The New Mexico Oil Conservation Division. The excavation extent is expected to have a surface area of approximately 7,126 sq ft with a depth of 1 foot, totaling an excavated volume of approximately 264 cubic yards.

The proposed plan is to remediate the site to allowable closure criteria through excavation and removal of impacted soils. The base and walls of excavation will be sampled under NMOCD confirmation sampling event. Samples will be sent to Cardinal laboratory for lab analytics. Final remediation will be completed per BLM guidelines once production is complete.

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1.0 Introduction

ExxonMobil Production Company (ExxonMobil) retained Vertex Resource Services Inc. (Vertex) to complete an initial site assessment and Remediation Work Plan for the PLU 22 DTD CVB (the "Site"; Facility ID: fAPP2329131432). This Remediation Characterization Plan discusses actions conducted to date and proposes additional characterization and remediation activities.

2.0 Background

2.1 Access

The Site is located approximately 11.9 miles east of Malaga on Bureau of Land Management Lands.

Lease Holder: ExxonMobil Production Company
Unit Letter N. Section 15, Township 24 South, Range 30 East.
County Name: Eddy
Latitude, Longitude: 32.21251, -103.871221

The Site can be accessed from the intersection of Twin Wells Road and Green Road, travel west on Green Road for 1.5 miles. Turn north onto lease road and continue for 0.334 miles. Turn west onto location. There are no locked gates or other access issues.

2.2 Site Description

The Site is an active production pad for oil and gas operations. Surface and subsurface minerals are owned by Bureau of Land Management. The Site is situated in a mostly flat area surrounded by sandy loam plains and dunes with grassy mesquite shrublands. Grama grasses and forbs are present off the pad.

2.3 Cultural Resources Compliance

After a site assessment evaluation, the proposed work area is located entirely within a historically pre-disturbed area on a production pad. Therefore, no archaeological clearance via ARMS Survey is required per the Cultural Properties Protection (CPP) rule. Should any remediation activities require any new surface disturbance off pad, work in that area will be ceased until an ARMS Survey can be conducted to remain compliant with BLM regulations. This will include notification to BLM.

2.4 Ecological Setting

The Site is situated in the Chihuahuan Basins and Playas level IV 24a Ecoregion (Griffith et al., 2006). This ecoregion is characterized as having the following natural vegetation: Shinnery Oak, Mesa Dropseed, Spike Dropseed, Sand dropseed, and Sand Bluestem. The Site is within the Kermit-Berino fine sands (Plate 1, Appendix B) and classified as "Not prime farmland". See Appendix A. Plate 1 for other ecological setting information.

2.5 Biological Compliance

Review of critical habitats identified four potentially affected species and no critical habitats. The biological review is included in Appendix B.

While no critical habitat was identified, reclamation activities will proceed with caution in order to avoid potential impacts to threatened or proposed threatened species including, but not limited to, Northern Aplomado Falcon, Piping Plover, Texas Hornshell, and Monarch Butterfly.

In the event that any special status species are encountered during remediation activities, appropriate measures will be implemented. These measures will include immediate cessation of work in the affected area, consultation with a qualified biologist, and coordination with BLM and relevant environmental agencies to determine the necessary protection and mitigation strategies.

3.0 Site Evaluation

Initial site assessment occurred on January 29, 2026, by Vertex personnel. The spill occurred between two compressors and spread Northwest, away from production equipment. The spill was mapped and vertex personnel met with ExxonMobil safety representative to discuss excavation plans and restrictions. Documentation of the Site visits are included in the daily field report (Appendix C) and summarized below.

- Four boreholes were placed to define release edges; these samples were collected at surface and 1 foot below ground surface.
- Three boreholes were placed to identify vertical depth of impacted soils, these samples were collected from surface to 2 feet in depth in 1-foot increments

3.1 Assessment of Soil Suitability

Based on Closure Criteria determination demonstrated in Appendix A and summarized in Table 1, suitable soils chemical concentrations (Closure Criteria per Table 1 of 19.15.29 NMAC) is defined as:

Table 1. Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
> 100 feet	Chloride	20,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

3.2 Special Soil Conditions

The area of interest (AOI) was identified during the desktop review and on-site assessment. Soil samples from the selected AOI were collected and laboratory analyzed for the constituents of concern identified in the Closure Criteria. A summary of analytical results is located in Table 2. Laboratory Certificates of Analyses and Chain of Custody forms are presented in Appendix D.

3.2.1 Area of Interest

The area of interest (AOI) on the northwest corner of the pad was identified during the desktop review and on-site assessment. Seventeen samples were collected from seven borehole sample points during the initial on-site assessment around and within the AOI. Figure 2. identifies the AOI relative to the active production pad and borehole soil sample locations. All samples within the AOI exceeded Closure Criteria for chloride, TPH, benzene, or BTEX at surface. Analytical results showed that samples are within site closure criteria at a depth of 1 foot below ground surface. All samples taken outside of AOI met Closure Criteria at surface and 1 foot below ground surface.

4.0 Remediation Work Plan

Unsuitable soils will be excavated and transported to an approved disposal facility. Locally sourced caliche will be stockpiled on site. A sample will be collected and laboratory analyzed for the constituents of concern to ensure quality of material.

4.1 AOI Remediation Steps

Due to safety concerns, the area between the compressors and below the flare gas line, will be excavated with the use of hand tools. Once contaminated material has been excavated between the compressors, Mechanical excavation will be utilized for rest of the remediation. Confirmation soil samples will be collected from the excavation bases and walls representing an area no greater than 200 sq. ft and submitted for laboratory analysis for Chloride, BTEX, Benzene, and TPH. Upon laboratory confirmation, the excavation area will be backfilled with stockpiled caliche. Closure report will be made available within 90 days from work plan approval. Figure 2. shows the proposed remediation areas and sample locations, respectively.

5.0 References

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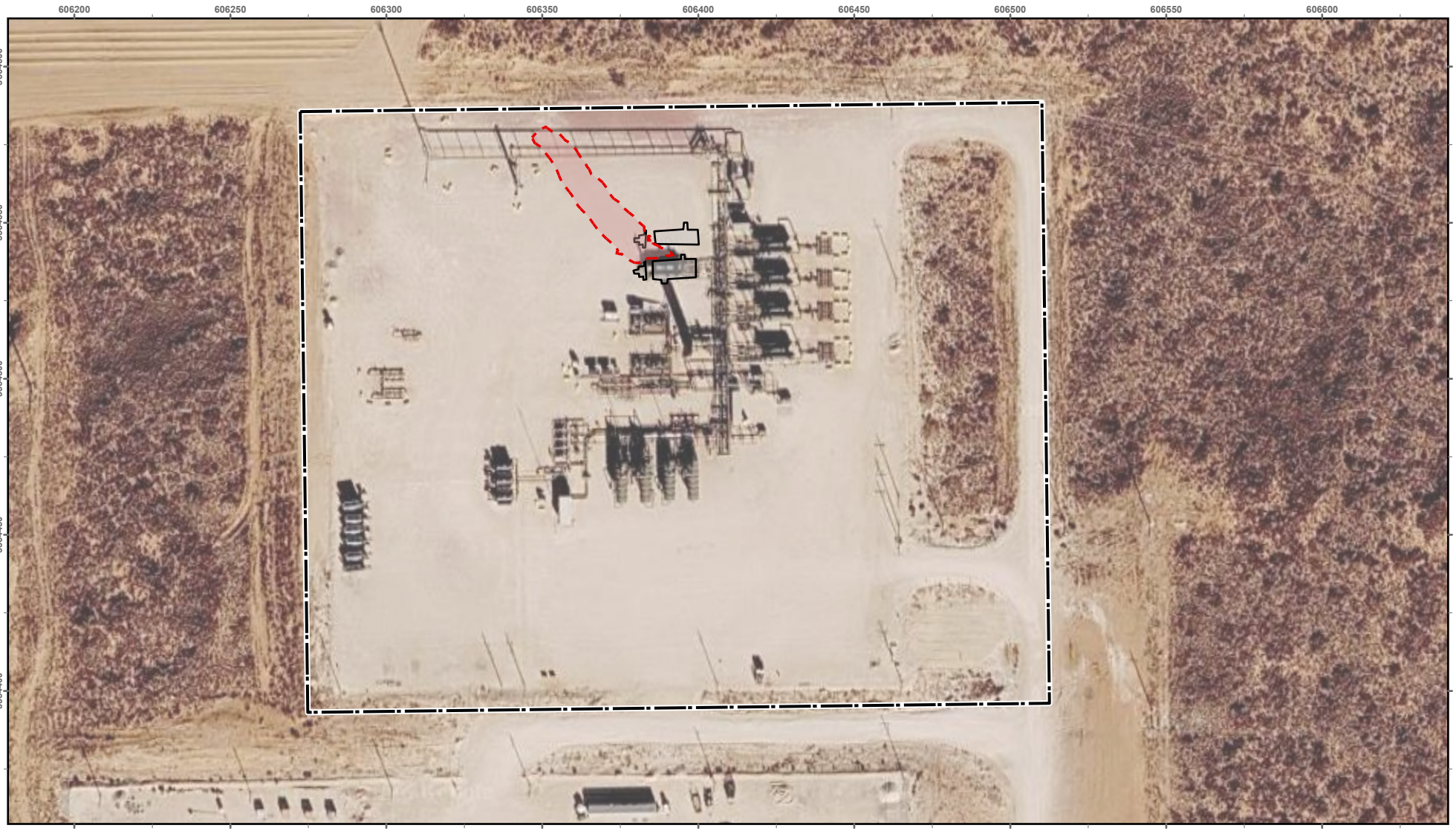
6.0 Limitations

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

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

Figures



Approximate Lease Boundary

Release Extent (~5,607 sq.ft.)

Production Equipment

VERTEX

0 20 40 80 120 160 ft.

NAD 1983 UTM Zone 13N

Date: Feb 17/26

Map Center:
Lat: 32.211935°N,
Long:103.870867°W

N

Site Map
PLU 22 DTD CVB

FIGURE:
1

ExxonMobil

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

Note: Georeferenced image from Google Earth, 2024. Site features from Vertex Professional Services Ltd. (VPS), 2026.

VERSATILITY. EXPERTISE.

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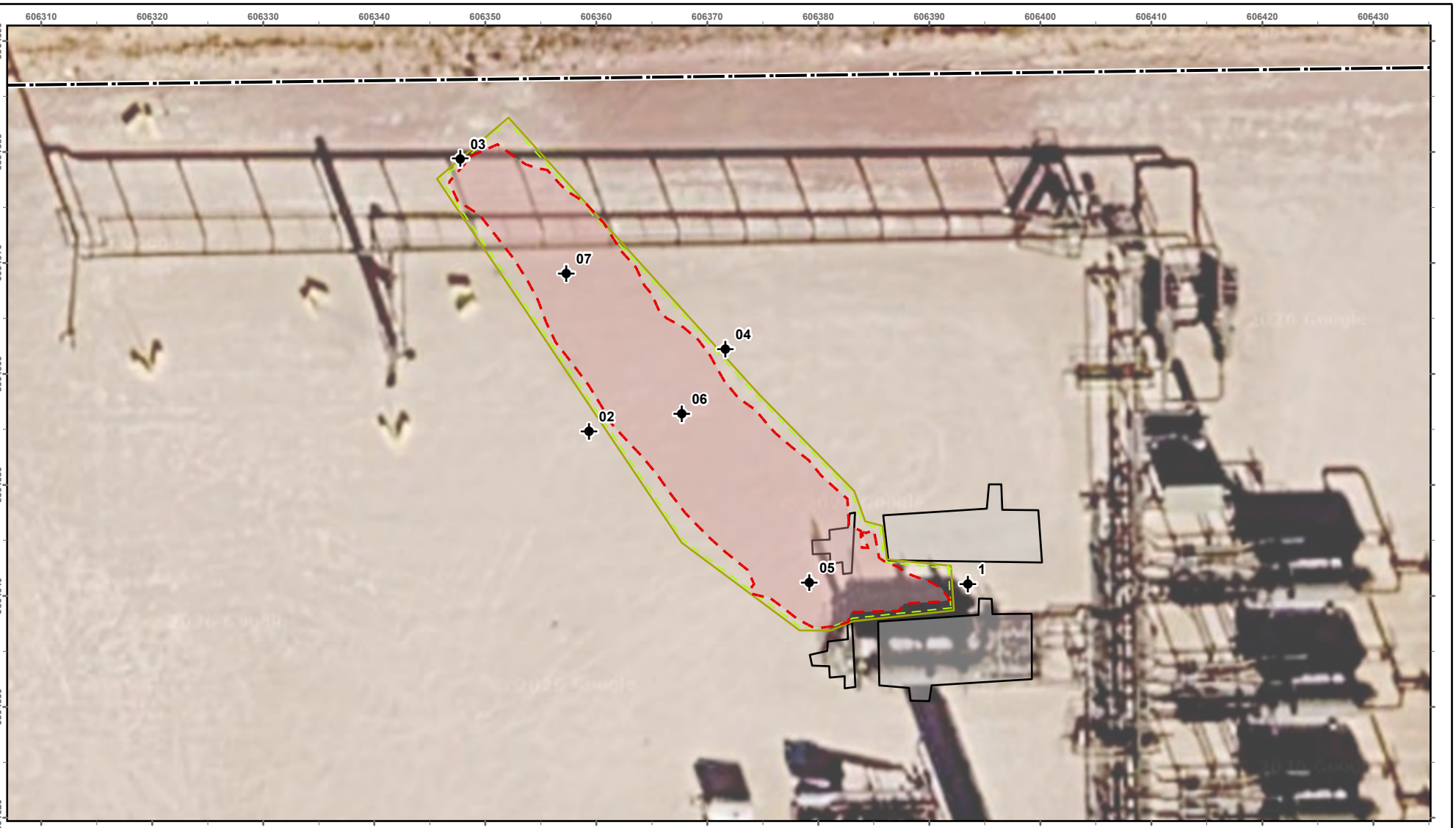

Borehole (Prefixed by "BH26-")

Approximate Release Extent (~5,607 sq.ft.)

Proposed Excavation Extent 1' (~7,126 sq.ft.)

Approximate Lease Boundary

Production Equipment

VERTEX

0 20 40 ft.

NAD 1983 UTM Zone 13N

Date: Feb 10/26

Map Center:
Lat: 32.212562°N,
Long:103.871268°W

N

Characterization Schematic / Remediation Plan
PLU 22 DTD CVB

FIGURE:
2

ExxonMobil

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Note: Georeferenced image from Google Earth, 2024. Site features from Vertex Professional Services Ltd. (VPS), 2026.

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Tables

Client Name: Exxon Mobil Production Company
Site Name: PLU 22 DTD CVB
NMOCD Tracking #: nAPP2602937605
Project #: 26A-00901
Lab Reports: H260662, H260725, & H260875

Table 3. Initial Characterization Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Benzene (mg/kg)	BTEX (Total) (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)	Chloride Concentration (mg/kg)
			Depth to Groundwater ≥100 feet bgs							
BH26-01	0	February 5, 2026	ND	ND	ND	ND	ND	ND	ND	16
	1	February 5, 2026	ND	ND	ND	ND	ND	ND	ND	112
BH26-02	0	February 5, 2026	ND	ND	ND	19	ND	ND	ND	48
	1	February 5, 2026	ND	ND	ND	16	ND	ND	ND	16
BH26-03	0	February 5, 2026	ND	ND	ND	ND	ND	ND	ND	ND
	1	February 5, 2026	ND	ND	ND	ND	ND	ND	ND	32
BH26-04	0	February 5, 2026	ND	ND	ND	ND	ND	ND	ND	112
	1	February 5, 2026	ND	ND	ND	ND	ND	ND	ND	32
BH26-05	0	February 4, 2026	ND	**86.90**	**2,720**	**43400**	**5,770**	**46,120**	**51,890**	144
	1	February 4, 2026	ND	5.30	83	506	59	589	648	80
	2	February 4, 2026	ND	2.05	23	250	20	273	293	16
	3	February 12, 2026	ND	ND	16	748	107	764	871	48
	4	February 12, 2026	ND	ND	ND	83	ND	83	83	ND
BH26-06	0	February 4, 2026	ND	1.16	**300**	**30700**	**4,040**	**31,000**	**35,040**	64
	1	February 4, 2026	ND	ND	ND	18	ND	18	18	80
	2	February 4, 2026	ND	ND	ND	ND	ND	ND	ND	16

BH26-07	0	February 4, 2026	ND	ND	ND	**7060**	1,050	**7,060**	**8,110**	32
	1	February 4, 2026	ND	ND	ND	ND	ND	ND	ND	32
	2	February 4, 2026	ND	ND	ND	ND	ND	ND	ND	16

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

Appendix A. Site Assessment Maps

Closure Criteria Determination			
Site Name: Poker Lake Unit 22 DTC CVB			
Spill Coordinates: 32.21251, -103.871221		X: UTM easting	Y: UTM northing
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	104	feet
	Distance between release and nearest DTGW reference	2,287	feet
		0.43	miles
	Date of nearest DTGW reference measurement		
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	2,617	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	42,682	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	45,939	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, **or**	64,650	feet
	ii) Within 1000 feet of any fresh water well or spring	64,650	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	feet
7	Within 300 feet of a wetland	4,916	feet
8	Within the area overlying a subsurface mine	No	feet
	Distance between release and nearest registered mine	21,802	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	21,982	feet
10	Within a 100-year Floodplain	No	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	2,609	feet
11	Soil Type	Kermit-Berino fine sands	
12	Ecological Classification	R070BD005NM Deep Sand	
13	Geology	piedmont alluvial and eolion deposits	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria		>100'

Plate 1. Soil Classification

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 Eddy Area, New Mexico

February 5, 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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SM—Simona-Bippus complex, 0 to 5 percent slopes.....14
TF—Tonuco loamy fine sand, 0 to 3 percent slopes.....16
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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.

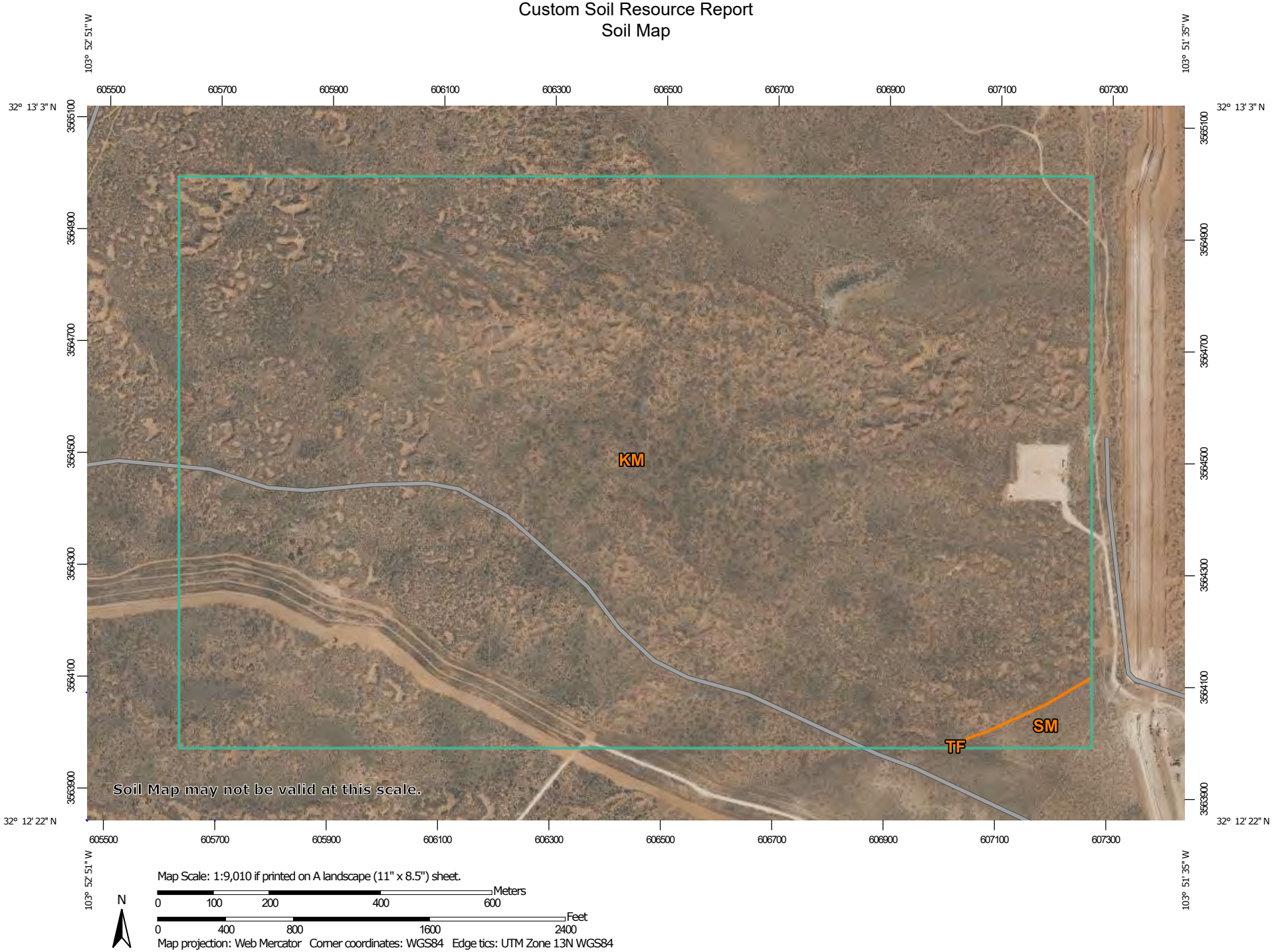
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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: Eddy Area, New Mexico
Survey Area Data: Version 21, 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
KM	Kermit-Berino fine sands, 0 to 3 percent slopes	412.0	99.1%
SM	Simona-Bippus complex, 0 to 5 percent slopes	3.7	0.9%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	0.0	0.0%
Totals for Area of Interest		**415.8**	**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.

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Landscape: Uplands
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landscape: Uplands
Landform: Alluvial fans, Valley plains
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Berino

Setting

Landscape: Uplands
Landform: Fan piedmonts, Sandy plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x
Landscape: Uplands
Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent
Bippus and similar soils: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landscape: Uplands
Landform: Alluvial fans, Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 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 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 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 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Description of Bippus

Setting

Landscape: Alluvial plains
Landform: Alluvial fans, Flood plains
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam
H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 40 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: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Bippus

Percent of map unit: 7 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w61
Landscape: Uplands
Elevation: 3,000 to 4,100 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 217 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

Setting

Landscape: Uplands
Landform: Alluvial fans, Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loamy fine sand
H2 - 5 to 15 inches: loamy fine sand
H3 - 15 to 19 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components

Tonuco

Percent of map unit: 1 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

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Plate 2. Depth-to-Water

01_Poker Lake Unit 22 DTC CVB_nearest DTGW_ 0.43 miles

2/6/2026, 12:17:07 PM

OSE Points of Diversion

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

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

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4911

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy, Inc.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3104 E. Greene St.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	12	32.23	N
	LONGITUDE	103	51	54.46	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE NW NE Sec. 22, T 24S R30E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
01/16/2025	01/16/2025	Temporary Well Material	±105	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 1/16/25, 1/24/25

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	104	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4911	POD NO. 1	TRN NO. 771442	
LOCATION 24S.30E.22 212		WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	104	104	Sand, fine-grained, poorly-graded, unconsolidated, Reddish Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

PLU 22 DTD CVB

OSE DII ROSWELL NM
10 FEB '25 AM 11:48

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins (Feb 10, 2025 10:06 MST) — Jackie D. Atkins — 02/10/2025

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4911	POD NO. 1	TRN NO. 771442	
LOCATION 24S. 30E. 22 212		WELL TAG ID NO. NA	PAGE 2 OF 2

Plate 3. Surface Water

U.S. Fish and Wildlife Service
National Wetlands Inventory

02_Poker Lake Unit 22 DTC CVB_Waterco

February 5, 2026

Wetlands

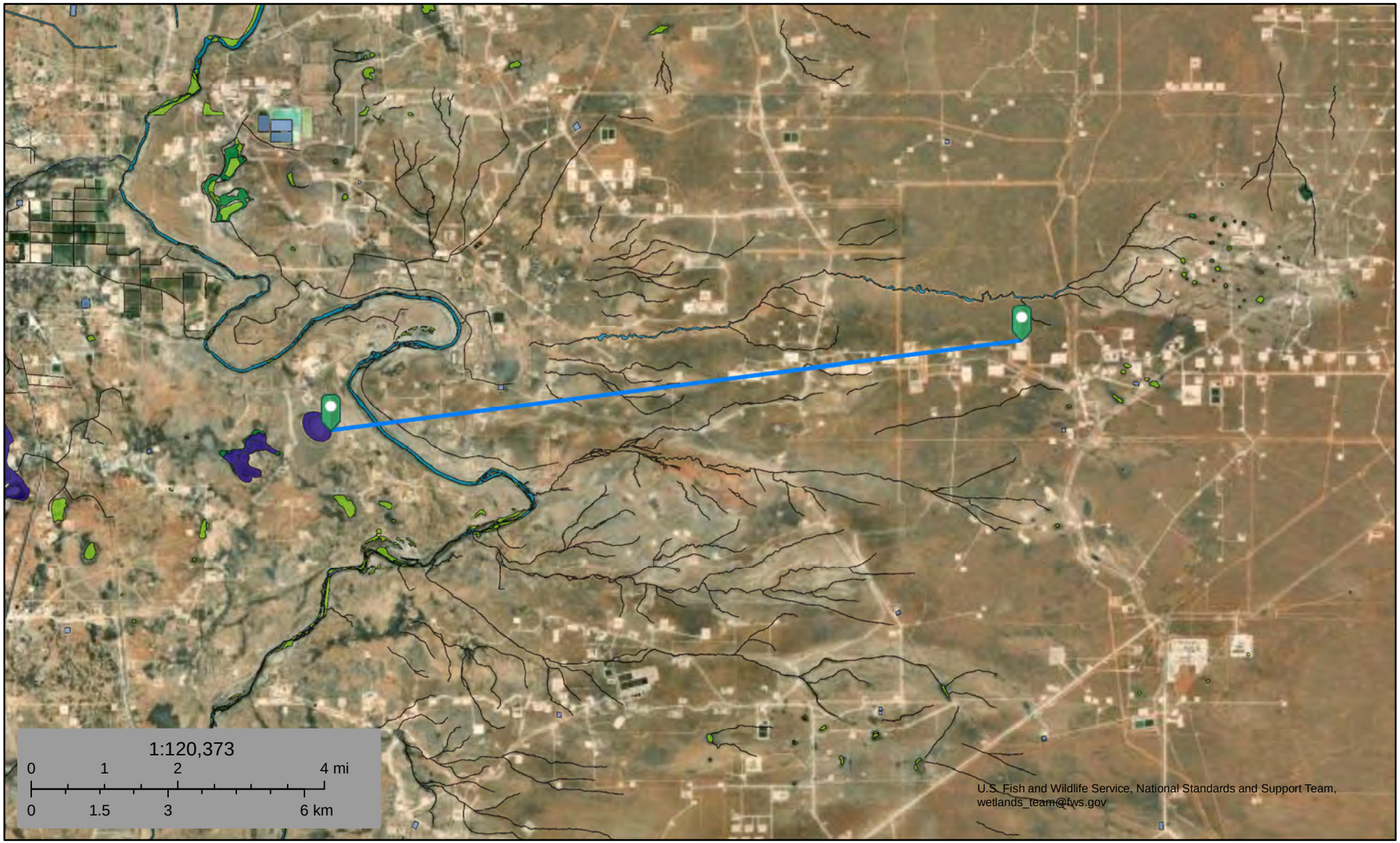
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

03_Poker Lake Unit 22 DTC CVB_Lake_4



February 5, 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

Poker Lake Unit 22 DTC CVB

The site is located 64,650 feet from the closest spring (Guy)

Legend
- 64,650 feet
- Location references

Malaga

Cass Draw

32.21251, -103.871221

Guy

Google Earth

Image © 2026 Airbus

7 km

N

Plate 4. Occupied residence, school, hospital, etc.

Poker Lake Unit 22 DTC CVB

The site is located 45,939 feet from the closest residence

Legend
- 45,939 feet
- Location references

Residence
Residence
Resident
Resident
Resident
Residence
32.21251, -103.871221
Google Earth
9 km
N

Plate 5. Wetlands

U.S. Fish and Wildlife Service
National Wetlands Inventory

07_Poker Lake Unit 22 DTC CVB_Wetland

February 5, 2026

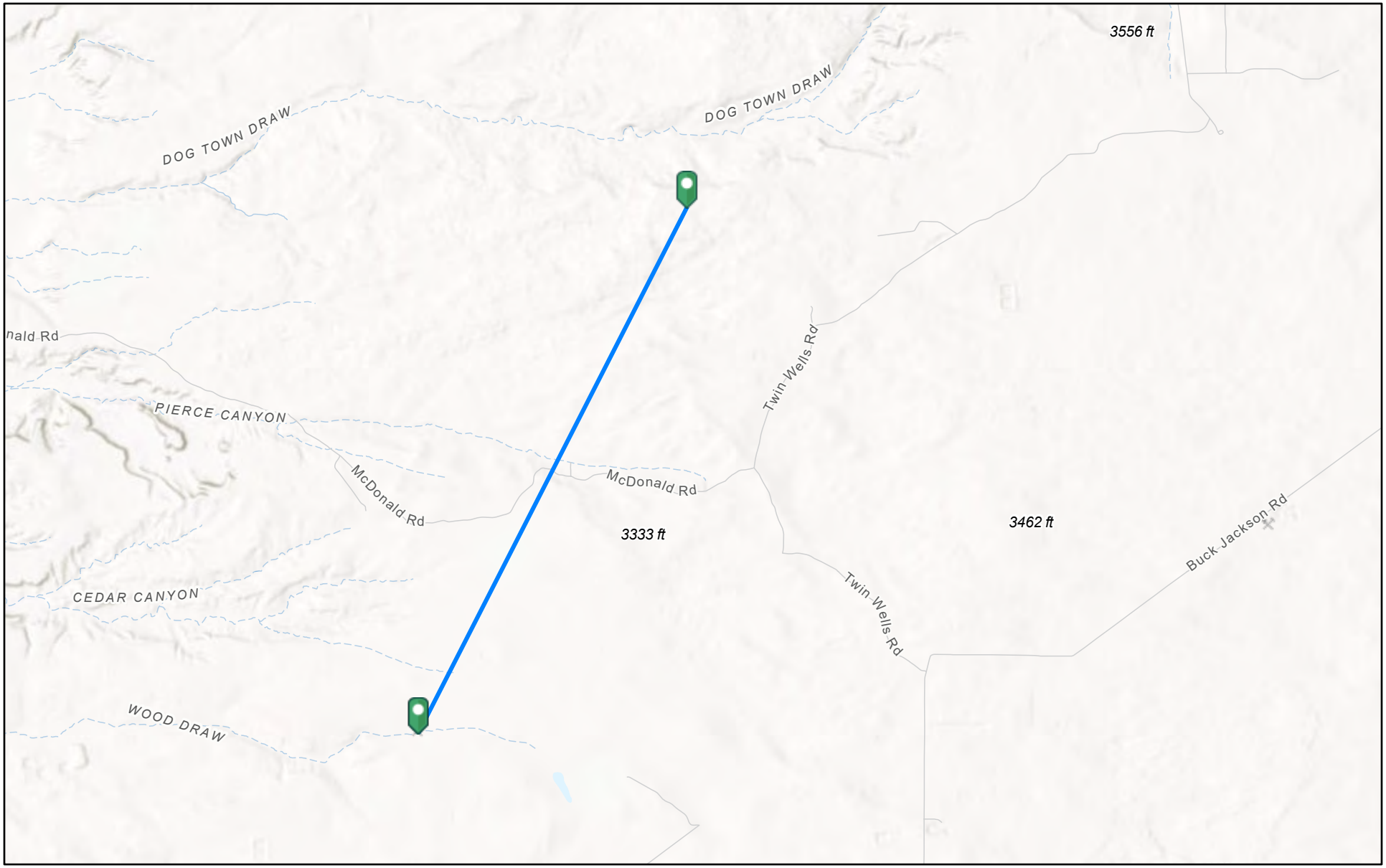
Wetlands

- 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.

Plate 6. Mine/Minerals

08_Poker Lake Unit 22 DTC CVB_Mine_21802 ft



2/5/2026, 11:42:30 AM

Registered Mines

Aggregate, Stone etc.

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

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

EMNRD MMD GIS Coordinator

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

Plate 7. Karst

09_Poker Lake Unit 22 DTC CVB_Karst_21982 ft

2/5/2026, 11:29:02 AM

Karst Occurrence Potential

High

Medium

Low

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, New Mexico Oil Conservation Division

NM OCD Oil and Gas Map, http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb99f8f35ca75: New Mexico Oil Conservation Division

Plate 8. Flood Hazard

National Flood Hazard Layer FIRMette

FEMA

103°52'35"W 32°13'N

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

1:6,000

103°51'58"W 32°12'30"N

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
- 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.

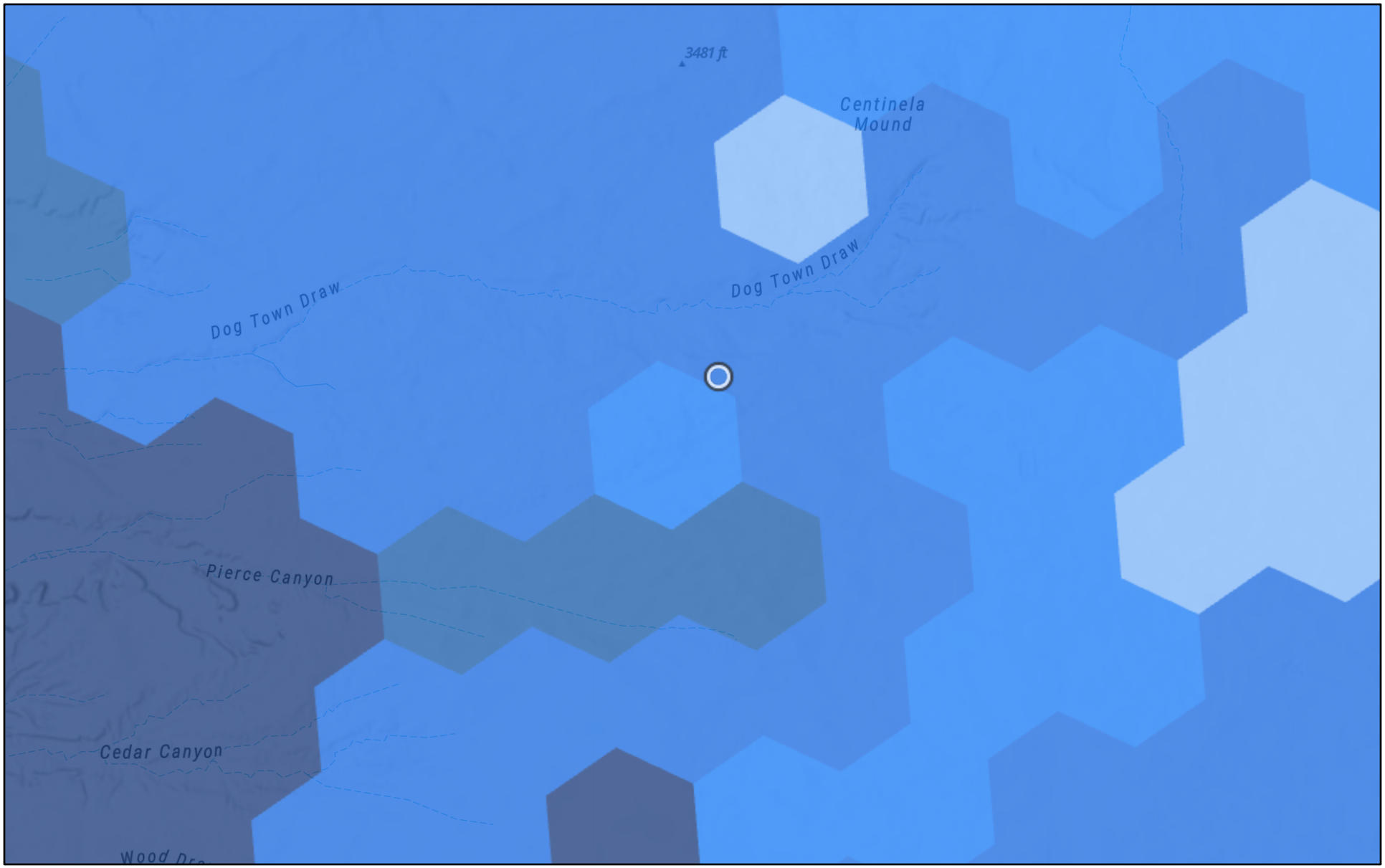
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/5/2026 at 7:20 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.

Appendix B. Biological Review

Poker Lake Unit 22 DTC CVB_Crucial Habitat



2/5/2026

Crucial Habitat (2024)

1
2
3
4
5

1:75,185

0 0.5 1 2 mi

0 0.75 1.5 3 km

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

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To: 02/05/2026 19:35:38 UTC
Project Code: 2026-0046075
Project Name: Poker Lake Unit 22 DTC CVB

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program: https://www.emnrd.nm.gov/sfd/rare-plants/

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds. We also recommend review of the Birds of Conservation Concern list (https://www.fws.gov/media/birds-conservation-concern-2021) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit https://www.fws.gov/partner/council-conservation-migratory-birds for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

PROJECT SUMMARY

Project Code: 2026-0046075
Project Name: Poker Lake Unit 22 DTC CVB
Project Type: General NRDAR/Spill Response/Environmental Contaminants
Project Description: Remediation activities
Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@32.21281005,-103.87045073198536,14z

Counties: Eddy County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

BIRDS

NAME	STATUS
Northern Aplomado Falcon *Falco femoralis septentrionalis* Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923 General project design guidelines: https://ipac.ecosphere.fws.gov/project/MBJO3L6IEBGSTLA4WIMC7YVYGY/documents/generated/8928.pdf	Experimental Population, Non-Essential
Piping Plover *Charadrius melodus* Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened

CLAMS

NAME	STATUS
Texas Hornshell *Popenaias popeii* There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/919 General project design guidelines: https://ipac.ecosphere.fws.gov/project/MBJO3L6IEBGSTLA4WIMC7YVYGY/documents/generated/9180.pdf	Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus* There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Ethan Phillips
Address: 2418 N Frazier Street
City: Conroe
State: TX
Zip: 77303
Email ephillips@vertexresource.com
Phone: 9365292913

26R-01072

Ecological Review & Summary

Poker Lake Unit 22 DTC CVB

Facility ID: fAPP2329131432

Lease Number: NMNM105557224

Coordinates: 32.212363, -103.871000001

Prepared for:

ExxonMobil Production Company

Prepared by:

Vertex Resource Services Inc.

Becca Stallings — February 13, 2026

Becca Stallings, MNRS, CPESC, CESSWI
MANAGER – ECOLOGY AND ASSESSMENT

Date

The proximity of the site to the closest receiving waterbody, listed in the National Wetland Inventory Mapper as a Riverine Intermittent Temporarily Flooded Sandy Streambed (R4SB4A), is approximately 2,617 feet to the north, and the closest freshwater wetland, Palustrine Emergent Persistent Intermittently Flooded Wetland (PEM1J), is 4,916 feet to the southeast. The site generally slopes in the southeast direction; however, due to the distance from the site and the release remaining on pad, the site activities are unlikely to impact nearby waterbodies. The site's primary soil profile includes Kermit-Berino fine sands. The site is within the piedmont alluvial and eolion deposits and known gypsum (with evaporite deposits) karst features. These environmental factors are accompanied by a medium concentration of crucial habitat and New Mexico-listed threatened or endangered species for Eddy County, New Mexico. State-listed species with the potential to occur in Eddy County were reviewed for potential to occur within the project boundaries. Per the United States Fish and Wildlife Service, the site has the potential for the following threatened and endangered species to occur: northern aplomado falcon (*Falco femoralis septentrionalis* – experimental population), piping plover (*Charadrius melodus* – threatened), Texas hornshell (*Popenaias popeii* – endangered), and monarch butterfly (*Danaus plexippus* – proposed threatened). These species were also reviewed for potential to occur within the project boundaries. Due to the release occurring within the disturbance limits of the existing oil and gas pad, it is unlikely that the site activities will impact any federal- or state-protected species during remediation activities. Based on the desktop environmental review, a biological survey is not recommended.

Appendix C. DFRs

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

01/29/2026

Location: Default Site Location

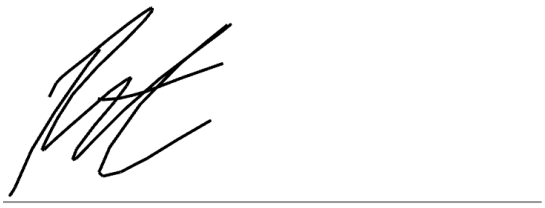
By: Riley Arnold

Weather	Chilly	Contractor	
Staff On-site	Riley Arnold	Contractor Crew	
Staff From Time		Equipment On Site	Hand tools
Tailgate meeting conducted	NA	Incident ID Number	nAPP2602937605

Work Summary:

Map spill/ 811 call

Time	Observations
12:54:09	Travel to site/ safety paperwork
13:27:51	Spill was mapped
13:59:10	811 flags placed



VERTEX

Daily Field Log

Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 1/29/2026 Time: 12:56 Notes: Latitude: 32.21155277777778 Longitude: -103.8703 Direction: SE	
Date: 1/29/2026 Time: 13:03 Notes: Release Latitude: 32.211975 Longitude: -103.87117777777777 Direction: SW	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

Pictures/Attachments

Date: 1/29/2026 Time: 13:03 Notes: Release Latitude: 32.21140277777778 Longitude: -103.87114722222222 Direction: SW	
Date: 1/29/2026 Time: 13:03 Notes: Release Latitude: 32.21179166666667 Longitude: -103.87113055555555 Direction: SW	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 1/29/2026 Time: 13:03 Notes: Release Latitude: 32.21179166666667 Longitude: -103.87113055555555 Direction: SW	
Date: 1/29/2026 Time: 13:03 Notes: Release Latitude: 32.211975 Longitude: -103.87117777777777 Direction: SW	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

Pictures/Attachments

Date: 1/29/2026 Time: 13:03 Notes: Release Latitude: 32.21179166666667 Longitude: -103.87113055555555 Direction: SW	
Date: 1/29/2026 Time: 13:25 Notes: 811 flags placed Latitude: 32.212250000000004 Longitude: -103.87171111111111 Direction: S	

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

02/04/2026

Location: Default Site Location

By: Riley Arnold

Weather	Clear	Contractor	
Staff On-site	Riley Arnold	Contractor Crew	
Staff From Time		Equipment On Site	Hand tools
Tailgate meeting conducted	NA	Incident ID Number	nAPP2602937605.

Work Summary:

Vertical delineation

Time	Observations
09:39:09	Travel to site/ safety paperwork
09:39:24	BH26-05 through BH26-07 were collected in 1’ increments until site criteria was met
12:14:28	Samples were jarred and labeled
12:14:38	Samples were field screened
13:05:14	Coc’s were created

VERTEX

Daily Field Log
Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 2/4/2026 Time: 09:34 Notes: Latitude: 32.211575 Longitude: -103.86997222222222 Direction: N	
Date: 2/4/2026 Time: 10:30 Notes: BH26-05 @ 0' BH26-05 @ 1' BH26-05 @ 2' Latitude: 32.212447222222224 Longitude: -103.87110833333332 Direction: N	

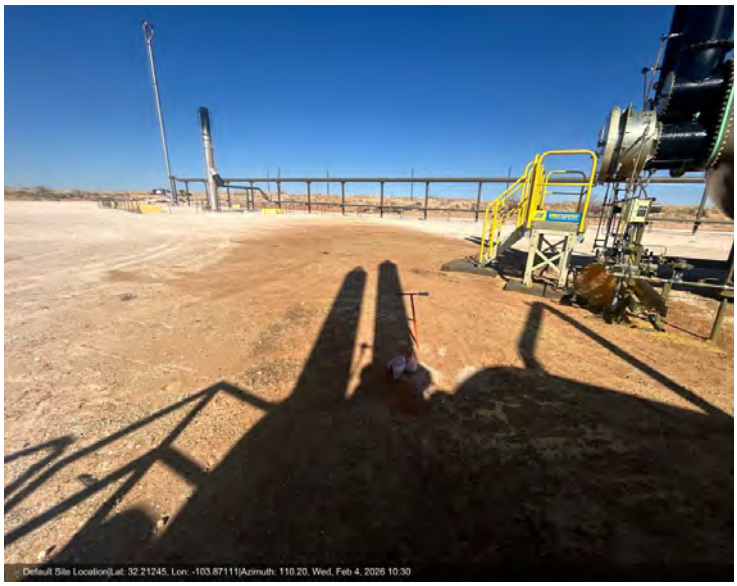
VERTEX

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

Pictures/Attachments

Date: 2/4/2026 Time: 10:30 Notes: BH26-05 @ 0’ BH26-05 @ 1’ BH26-05 @ 2’ Latitude: 32.212447222222224 Longitude: -103.87110833333332 Direction: N	
Date: 2/4/2026 Time: 10:30 Notes: BH26-05 @ 0’ BH26-05 @ 1’ BH26-05 @ 2’ Latitude: 32.212447222222224 Longitude: -103.87110833333332 Direction: N	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 2/4/2026 Time: 10:38 Notes: BH26-06 @ 0’ BH26-06 @ 1’ BH26-06 @ 2’ Latitude: 32.21253611111111 Longitude: -103.8713611111111 Direction: NW	
Date: 2/4/2026 Time: 10:38 Notes: BH26-06 @ 0’ BH26-06 @ 1’ BH26-06 @ 2’ Latitude: 32.21253611111111 Longitude: -103.8713611111111 Direction: NW	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

Pictures/Attachments

Date: 2/4/2026 Time: 10:38 Notes: BH26-06 @ 0’ BH26-06 @ 1’ BH26-06 @ 2’ Latitude: 32.21253611111111 Longitude: -103.8713611111111 Direction: NW	
Date: 2/4/2026 Time: 10:49 Notes: BH26-07 @ 0’ BH26-07 @ 1’ BH26-07 @ 2’ Latitude: 32.21270833333334 Longitude: -103.87141388888888 Direction: S	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 2/4/2026 Time: 10:49 Notes: BH26-07 @ 0’ BH26-07 @ 1’ BH26-07 @ 2’ Latitude: 32.21270833333334 Longitude: -103.87141388888888 Direction: S	
Date: 2/4/2026 Time: 10:49 Notes: BH26-07 @ 0’ BH26-07 @ 1’ BH26-07 @ 2’ Latitude: 32.21270833333334 Longitude: -103.87141388888888 Direction: S	

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

02/05/2026

Location: Default Site Location

By: Riley Arnold

Weather	Clear	Contractor	
Staff On-site	Riley Arnold	Contractor Crew	
Staff From Time		Equipment On Site	Hand tools
Tailgate meeting conducted	NA	Incident ID Number	nAPP2602937605

Work Summary:

Horizontal delineation

Time	Observations
09:31:47	Travel to site/ safety paperwork
12:17:06	BH26-01 through BH26-04 were collected at 0-1’
13:14:50	Samples were field screened
14:16:39	Samples were jarred and labeled/ COC’s were created

VERTEX

Daily Field Log
Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 2/5/2026
Time: 09:29
Notes:
Latitude: 32.21154444444445
Longitude: -103.86982777777777
Direction: N

Date: 2/5/2026
Time: 10:06
Notes: BH26-01 @ 0'
BH26-01 @ 1'
Latitude: 32.21244444444445
Longitude: -103.87102499999999
Direction: S

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

Pictures/Attachments

Date: 2/5/2026 Time: 10:12 Notes: BH26-02 @ 0’ BH26-02 @ 1’ Latitude: 32.212558333333334 Longitude: -103.87140555555555 Direction: E	
Date: 2/5/2026 Time: 10:17 Notes: BH26-04 @ 0’ BH26-04 @ 1’ Latitude: 32.21261666666667 Longitude: -103.87124722222221 Direction: N	

VERTEX

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

Pictures/Attachments

Date:	2/5/2026
Time:	11:54
Notes:	BH26-03 @ 0’ BH26-03 @ 1’
Latitude:	32.21280277777778
Longitude:	-103.87152222222221
Direction:	S

Daily Field Log

Site: PLU 22 DTD CVB

Client: ExxonMobil

02/12/2026

Location: Default Site Location

By: Riley Arnold

Weather	Cloudy	Contractor	
Staff On-site	Riley Arnold	Contractor Crew	
Staff From Time	16:26	Equipment On Site	Hand tools
Tailgate meeting conducted	NA	Incident ID Number	nAPP2602937605

Work Summary:

BH26-05 collected

Time	Observations
16:27:12	BH25-05 collected at 3 and 4’
16:27:32	Samples field screened
16:27:43	Samples jarred and labeled
16:27:52	Coc creation

Daily Field Log

Site: PLU 22 DTD CVB
Client: ExxonMobil

Pictures/Attachments

Date: 2/12/2026 Time: 16:23 Notes: Latitude: 32.211061111111114 Longitude: -103.87112499999999 Direction: N	
Date: 2/12/2026 Time: 16:32 Notes: BH26-05 @ 3' BH26-05 @ 4' Latitude: 32.21153888888889 Longitude: -103.87143055555555 Direction: W	

Appendix D. Laboratory Certificates of Analyses

CARDINAL Laboratories

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

February 11, 2026

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: PLU 22 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 02/05/26 14:00.

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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 05 @ 0' (H260662-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/06/2026	ND	2.06	103	2.00	0.599	GC-NC
Toluene*	**12.6**	0.500	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	**11.3**	0.500	02/06/2026	ND	2.21	111	2.00	0.584	GC-NC1
Total Xylenes*	**62.9**	1.50	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	**86.9**	3.00	02/06/2026	ND					GC-NC1

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	02/06/2026	ND	432	108	400	3.77	

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*	**2720**	50.0	02/06/2026	ND	207	103	200	1.81	
DRO >C10-C28*	**43400**	50.0	02/06/2026	ND	182	90.8	200	3.16	
EXT DRO >C28-C36	**5770**	50.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *967 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *1490 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 05 @ 1' (H260662-02)

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	02/06/2026	ND	2.06	103	2.00	0.599	GC-NC
Toluene*	**0.604**	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	**1.18**	0.050	02/06/2026	ND	2.21	111	2.00	0.584	GC-NC1
Total Xylenes*	**3.52**	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	**5.30**	0.300	02/06/2026	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *140 %* *70.4-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	02/06/2026	ND	432	108	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*	**82.6**	10.0	02/06/2026	ND	207	103	200	1.81	
DRO >C10-C28*	**506**	10.0	02/06/2026	ND	182	90.8	200	3.16	
EXT DRO >C28-C36	**58.8**	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *77.4 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *72.9 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 05 @ 2 (H260662-03)

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	02/06/2026	ND	2.06	103	2.00	0.599	
Toluene*	**0.137**	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	**0.822**	0.050	02/06/2026	ND	2.21	111	2.00	0.584	GC-NC1
Total Xylenes*	**1.10**	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	**2.05**	0.300	02/06/2026	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *125 %* *70.4-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/06/2026	ND	432	108	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*	**22.8**	10.0	02/06/2026	ND	207	103	200	1.81	
DRO >C10-C28*	**250**	10.0	02/06/2026	ND	182	90.8	200	3.16	
EXT DRO >C28-C36	**20.6**	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *82.1 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *80.3 %* *39.9-141*

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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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 06 @ 0' (H260662-04)

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	02/09/2026	ND	2.06	103	2.00	0.599	
Toluene*	<0.050	0.050	02/09/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/09/2026	ND	2.21	111	2.00	0.584	
Total Xylenes*	**1.16**	0.150	02/09/2026	ND	6.82	114	6.00	0.930	
Total BTEX	**1.16**	0.300	02/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *70.4-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/06/2026	ND	432	108	400	3.77	

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*	**300**	50.0	02/06/2026	ND	207	103	200	1.81	
DRO >C10-C28*	**30700**	50.0	02/06/2026	ND	182	90.8	200	3.16	
EXT DRO >C28-C36	**4040**	50.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *435 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *1380 %* *39.9-141*

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CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 06 @ 1' (H260662-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2026	ND	2.06	103	2.00	0.599	
Toluene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	0.584	
Total Xylenes*	<0.150	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	<0.300	0.300	02/06/2026	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	02/06/2026	ND	432	108	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	02/06/2026	ND	179	89.4	200	3.60	
DRO >C10-C28*	**18.1**	10.0	02/06/2026	ND	207	103	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *72.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *63.9 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 06 @ 2' (H260662-06)

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	02/06/2026	ND	2.06	103	2.00	0.599	
Toluene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	0.584	
Total Xylenes*	<0.150	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	<0.300	0.300	02/06/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *70.4-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/06/2026	ND	432	108	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	02/06/2026	ND	179	89.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	02/06/2026	ND	207	103	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *72.8 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *62.0 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 07 @ 0' (H260662-07)

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	02/06/2026	ND	2.06	103	2.00	0.599	
Toluene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	0.584	
Total Xylenes*	<0.150	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	<0.300	0.300	02/06/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *70.4-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/06/2026	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: JF S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2026	ND	179	89.4	200	3.60	
DRO >C10-C28*	**7060**	10.0	02/06/2026	ND	207	103	200	6.18	
EXT DRO >C28-C36	**1050**	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *74.9 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *214 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 07 @ 1' (H260662-08)

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	02/06/2026	ND	2.06	103	2.00	0.599	
Toluene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	0.584	
Total Xylenes*	<0.150	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	<0.300	0.300	02/06/2026	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/06/2026	ND	432	108	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	02/06/2026	ND	179	89.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	02/06/2026	ND	207	103	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *73.5 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *69.5 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/05/2026	Sampling Date:	02/04/2026
Reported:	02/11/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 07 @ 2' (H260662-09)

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	02/06/2026	ND	2.06	103	2.00	0.599	
Toluene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/06/2026	ND	2.21	111	2.00	0.584	
Total Xylenes*	<0.150	0.150	02/06/2026	ND	6.82	114	6.00	0.930	
Total BTEX	<0.300	0.300	02/06/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *70.4-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/06/2026	ND	432	108	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	02/06/2026	ND	179	89.4	200	3.60	
DRO >C10-C28*	<10.0	10.0	02/06/2026	ND	207	103	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2026	ND					

Surrogate: 1-Chlorooctane *78.3 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *73.3 %* *39.9-141*

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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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Veltex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd drive
City: Carlsbad State: NM Zip: 88220
Phone #: 575-725-5001 Fax #:
Project #: 26A-00901 Project Owner:
Project Name: PLU 22 DTD CVB
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #: 2210431001
Company: Exxon Mobil
Attn: Dale Woodall
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	BTEX	TPH	Chloride
H26060602 1	BH26-05 @ 0'	G	1			X					X		2.4.26	10:00	X	X	X
2	BH26-05 @ 1'													10:21			
3	BH26-05 @ 2'													10:36			
4	BH26-06 @ 0'													10:50			
5	BH26-06 @ 1'													11:11			
6	BH26-06 @ 2'													11:26			
7	BH26-07 @ 0'													11:42			
8	BH26-07 @ 1'													12:30			
9	BH26-07 @ 2'													12:51			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 2-5-26 Time: 1400 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: rarnold@veltexresource.com
Permian@veltexresource.com
REMARKS: Incident ID: nAPP2602937605
GFLM: 48605000
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor -0.6°C +0.1°

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C -0.1
Corrected Temp. °C 0.0
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 08/05/24

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

CARDINAL Laboratories

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

February 13, 2026

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: PLU 22 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 02/09/26 12:00.

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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 01 @ 0' (H260725-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *92.4 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *94.3 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 01 @ 1' (H260725-02)

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	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *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	**112**	16.0	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *101 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *102 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 02 @ 0' (H260725-03)

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	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *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	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	**18.7**	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *91.3 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *94.9 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 02 @ 1' (H260725-04)

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	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.5 %* *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	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	**15.7**	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *86.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *87.8 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 03 @ 0' (H260725-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *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	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *92.2 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *91.2 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 03 @ 1' (H260725-06)

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	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *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	**32.0**	16.0	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *101 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 04 @ 0' (H260725-07)

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	02/10/2026	ND	1.90	95.1	2.00	3.74	
Toluene*	<0.050	0.050	02/10/2026	ND	1.67	83.5	2.00	10.0	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.70	85.0	2.00	3.78	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.13	85.4	6.00	4.72	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *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	**112**	16.0	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *94.5 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *92.8 %* *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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/09/2026	Sampling Date:	02/05/2026
Reported:	02/13/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH26 - 04 @ 1' (H260725-08)

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	02/10/2026	ND	2.02	101	2.00	0.201	
Toluene*	<0.050	0.050	02/10/2026	ND	1.87	93.5	2.00	0.725	
Ethylbenzene*	<0.050	0.050	02/10/2026	ND	1.85	92.7	2.00	0.0696	
Total Xylenes*	<0.150	0.150	02/10/2026	ND	5.46	91.0	6.00	0.137	
Total BTEX	<0.300	0.300	02/10/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *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	**32.0**	16.0	02/11/2026	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	02/10/2026	ND	214	107	200	4.37	
DRO >C10-C28*	<10.0	10.0	02/10/2026	ND	197	98.6	200	0.813	
EXT DRO >C28-C36	<10.0	10.0	02/10/2026	ND					

Surrogate: 1-Chlorooctane *92.4 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *91.5 %* *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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd drive
City: Carlsbad State: NM Zip: 88220
Phone #: 575-725-5001 Fax #:
Project #: 26A-00901 Project Owner:
Project Name: PLU 22 DTD CUB
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #: 2210431001
Company: Exxon Mobil
Attn: Dale Woodall
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Chloride
H260725																	
1	BH26-01 @ 0'	G	1			X					X		2.5.26	9:30	X	X	X
2	BH26-01 @ 1'													9:52			
3	BH26-02 @ 0'													10:16			
4	BH26-02 @ 1'													10:27			
5	BH26-03 @ 0'													10:40			
6	BH26-03 @ 1'													10:52			
7	BH26-04 @ 0'													11:20			
8	BH26-04 @ 1'													11:36			

04024011

Relinquished By: Date: 2-9-26 Time: 1200 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: Rarnold@vertexresource.com
Permian@Vertexresource.com
REMARKS: Incident ID: nAPP2602937605
GFCM: 48605000

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.8
Corrected Temp. °C 4.9

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TB

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor -0.6°C +0.1°

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 08/05/24

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

CARDINAL Laboratories

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

February 19, 2026

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: PLU 22 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 02/13/26 11:53.

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:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/13/2026	Sampling Date:	02/12/2026
Reported:	02/19/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 05 @ 3' (H260875-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2026	ND	2.04	102	2.00	0.561	
Toluene*	<0.050	0.050	02/14/2026	ND	1.86	93.0	2.00	0.157	
Ethylbenzene*	<0.050	0.050	02/14/2026	ND	1.83	91.5	2.00	1.01	
Total Xylenes*	<0.150	0.150	02/14/2026	ND	5.37	89.5	6.00	0.986	
Total BTEX	<0.300	0.300	02/14/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	02/13/2026	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**15.5**	10.0	02/13/2026	ND	208	104	200	3.80	
DRO >C10-C28*	**748**	10.0	02/13/2026	ND	191	95.7	200	6.49	
EXT DRO >C28-C36	**107**	10.0	02/13/2026	ND					

Surrogate: 1-Chlorooctane *79.8 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *81.7 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

VERTEX RESOURCE
CHAD HENSLEY
3101 BOYD DRIVE
CARLSBAD NM, 88220
Fax To: NA

Received:	02/13/2026	Sampling Date:	02/12/2026
Reported:	02/19/2026	Sampling Type:	Soil
Project Name:	PLU 22 DTD CVB	Sampling Condition:	Cool & Intact
Project Number:	26A - 00901	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BH 26 - 05 @ 4' (H260875-02)

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	02/14/2026	ND	2.04	102	2.00	0.561	
Toluene*	<0.050	0.050	02/14/2026	ND	1.86	93.0	2.00	0.157	
Ethylbenzene*	<0.050	0.050	02/14/2026	ND	1.83	91.5	2.00	1.01	
Total Xylenes*	<0.150	0.150	02/14/2026	ND	5.37	89.5	6.00	0.986	
Total BTEX	<0.300	0.300	02/14/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *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	02/16/2026	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	02/14/2026	ND	208	104	200	3.80	
DRO >C10-C28*	**83.0**	10.0	02/14/2026	ND	191	95.7	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	02/14/2026	ND					

Surrogate: 1-Chlorooctane *58.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *50.0 %* *39.9-141*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd drive
City: Carlsbad State: NM Zip: 88220
Phone #: 575-725-5001 Fax #:
Project #: 26A-00901 Project Owner:
Project Name: PLU 22 DTD CVB
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #: 2210431001
Company: ExxonMobil
Attn: Dale Woodall
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: BTEX	TPH	Chloride
H24008751	BH26-05 @ 3'	G	1			X					X		2.12.26	4:00	X	X	X
2	BH26-05 @ 4'	G	1			X					X		2.12.26	4:10	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

04024011C

Relinquished By: Date: 2.13.26 Time: 1153 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: rarnold@vertexresource.com
Permian@vertexresource.com
REMARKS: Incident ID: nAPP2602937605
GFCM: 48605000

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 3.1 Corrected Temp. °C 3.2
Sample Condition: Cool ☑ Yes Intact ☑ Yes / ☐ No ☐ No
CHECKED BY: (Initials) AP

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140 Correction Factor -0.6°C +0.1
Bacteria (only) Sample Condition: Cool ☐ Yes Intact ☐ Yes / ☐ No ☐ No
Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 08/03/24

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

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

QUESTIONS

Action 556223

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2602937605**
Incident Name	**NAPP2602937605 POKER LAKE UNIT 22 DTD CVB @ FAPP2329131432**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2329131432] PLU 22 DTD CVB**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	POKER LAKE UNIT 22 DTD CVB
Date Release Discovered	01/26/2026
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Valve | Crude Oil | Released: 7 BBL | Recovered: 0 BBL | Lost: 7 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	6.66 bbls of produced oil was released onto permeable surface due to valve freezing.

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556223
	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)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
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: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 02/20/2026

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556223
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Between 1 and 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	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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)	144
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	51890
GRO+DRO (EPA SW-846 Method 8015M)	46120
BTEX (EPA SW-846 Method 8021B or 8260B)	87
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	03/02/2026
On what date will (or did) the final sampling or liner inspection occur	02/04/2026
On what date will (or was) the remediation complete(d)	05/04/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	7126
What is the estimated volume (in cubic yards) that will be remediated	264
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556223
	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: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 02/20/2026
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: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556223
	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: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 556223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**551043**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/13/2026**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**1000**

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:	OGRID:
XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	5380
	Action Number: 556223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions:	3/12/2026
scwells	1) Under the Site Characterization portion of the C-141 application, to the question, “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,” was answered, “Between ½ and 1 (mi.).” According to 19.15.17 NMAC, a “significant watercourse” is a watercourse with a defined bed and bank either named or identified by a dashed blue line on a USGS 7.5 minute quadrangle map or the next lower order tributary with a defined bed and bank of such watercourse. Referring to USGS topoview maps, the closest significant watercourse is located within 1000 ft – ½ mile NE of release.	3/12/2026
scwells	2) Under the Site Characterization portion of the C-141 application, to the question, “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark),” was answered, “Greater than 5 (mi.).” According to the National Wetlands Inventory Mapper, there is a freshwater emergent wetland (also known as a playa) located between ½ and 1 mile SE of the release.	3/12/2026
scwells	3) Under the Site Characterization portion of the C-141 application, to the question, “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A wetland,” was answered, “Between ½ and 1 (mi.).” According to the National Wetlands Inventory Mapper, the nearest wetland is a riverine located within 1000 ft-1/2 mile NE of release. The distance to all of these site receptors must be updated within the C-141 application during your next report submission.	3/12/2026
scwells	4) Excavation must continue past the proposed depth shown in Figure 2 if confirmation samples do not meet the applicable RRALs.	3/12/2026
scwells	A remediation closure report or deferral request is due to OCD no later than 6/10/2026.	3/12/2026