



Incident Number: NAPP2513929022

Amended Release Assessment and Deferral

Corral Canyon 15 CVB

Section 22, Township 25 South, Range 29 East

County: Eddy

Vertex File Number: 25A-02809

Prepared for:

ExxonMobil Corporation

Prepared by:

Vertex Resource Services Inc.

Date:

December 2025

ExxonMobil Corporation
Corral Canyon 15 CVB

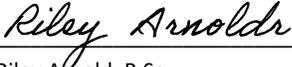
Release Assessment and Deferral
December 2025

Release Assessment and Deferral
Corral Canyon 15 CVB
Section 22, Township 25 South, Range 29 East
County: Eddy

Prepared for:
ExxonMobil Corporation
3104 East Greene Street
Carlsbad, New Mexico 88220

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

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



Riley Arnold, B.Sc.
Environmental Technician, REPORTING

December 12, 2025

Date



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

December 8, 2025

Date

Table of Contents

0.0 Amendment to Closure Report 1

1.0 Introduction 1

2.0 Incident Description 1

3.0 Site Characteristics 1

4.0 Closure Criteria Determination 2

5.0 Remedial Actions Taken 4

 5.1 Variance and Confirmation Sampling 4

6.0 Deferral Request 5

 6.1 Closure Denial 5

 6.2 Closure Denial 5

7.0 References 7

8.0 Limitations 8

In-text Tables

- Table 1. Closure Criteria Determination
- Table 2. Closure Criteria for Soils Impacted by a Release

List of Figures

- Figure 1. Characterization Schematic
- Figure 2. Confirmatory Schematic

List of Tables

- Table 3. Initial Characterization Sample Field Screen and Laboratory Results – Depth to Groundwater \leq 50 feet bgs
- Table 4. Confirmatory Sample Field Screen and Laboratory Results – Depth to Groundwater \leq 50 feet bgs

List of Appendices

- Appendix A. Closure Criteria Research Documentation
- Appendix B. Daily Field Report
- Appendix C. Variance
- Appendix D. Laboratory Data Report and Chain of Custody Form

0.0 Amendment to Closure Report

The following report has been updated and includes a summary of efforts and justifications to amend deferral denial concerns notated by New Mexico Oil Conservation Division on November 10, 2025.

1.0 Introduction

ExxonMobil Corporation (Exxon) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Deferral for a produced water release that occurred on May 17, 2025, at Corral Canyon 15 CVB (hereafter referred to as the "site"). Exxon submitted an initial C-141 Release Notification to New Mexico Oil Conservation Division (NMOCD) District 2 on May 19, 2025. Incident ID number NAPP2513929022 was assigned to this incident.

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

2.0 Incident Description

The release occurred on May 17th, 2025, due to equipment failure. The incident was reported on May 19th, 2025, and involved the release of approximately 31 barrels (bbl.) of produced water both on and off the production pad. Approximately 0 bbl. of free fluid was removed during initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 9.4 miles southeast of Malaga, New Mexico. The legal location for the site is Section 22, Township 25 South and Range 29 East in Eddy County, New Mexico. The release area is located on Bureau of Land Management (BLM) property. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The surrounding landscape is associated with plains with elevations ranging between 2,842 and 4,500 feet. The climate is semiarid with average annual precipitation ranging between 8 and 13 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be shrubs and grasses such as mesquite, creosotebush, snakeweed, and black grama. Historically the land was predominately black grama grasslands (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted production pad. Additional soil characteristics include a drainage class of well to moderately well with a runoff class of high. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site's surface geology primarily comprises Qep - Quaternary Piedmont deposits. The predominant soil texture on the site is sandy loam.

4.0 Closure Criteria Determination

The nearest active well to the site is New Mexico Office of the State Engineer (NMOSE) monitoring well located approximately 0.74 miles northwest of the site (United States Geological Survey, 2025). Data from 1995 shows the NMOSE borehole recorded a depth to groundwater of 60 feet below ground surface (bgs). Information pertaining to the depth to ground water determination is included in Appendix A.

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is a watercourse located 0.23 miles northeast of the site (United States Fish and Wildlife Service, 2025). The site is located in a low karst potential area and is not overlaying a subsurface mine.

ExxonMobil Corporation
Corral Canyon 15 CVB

Amended Release Assessment and Deferral
December 2025

Table 1. Closure Criteria Determination			
Site Name: Corral Canyon 15 CVB			
Spill Coordinates: 32.118578 -103.968486		X: 597308.71	Y: 3554045.04
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	60	feet
	Distance between release and nearest DTGW reference	3,919	feet
		0.74	miles
Date of nearest DTGW reference measurement		February 1, 1995	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	1,221	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	5,910	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	39,149	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	-	feet
	ii) Within 1000 feet of any fresh water well or spring	3,352	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	(Y/N)
7	Within 300 feet of a wetland	1,221	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
	Distance between release and nearest registered mine	89,554	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	3,000	feet
10	Within a 100-year Floodplain	500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	8,797	feet
11	Soil Type	Simona sandy loam	
12	Ecological Classification	Shallow Sandy	
13	Geology	Qep	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

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

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

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

BTEX – benzene, toluene, ethylbenzene and xylenes

5.0 Remedial Actions Taken

An initial site inspection of the release area was completed on May 19, 2025, which identified the area of the release specified in the initial C-141 Report and estimated the approximate area of the release to be 14,200 square feet. The Daily Field Report associated with the site inspection is included in Appendix B. The site delineation was completed between May 22 and 28, 2025. A total of 40 characterization samples were submitted for laboratory analysis to Cardinal Laboratories in accordance with 19.15.29.12 Table 1. Characterization results are presented in Table 3.

Remediation efforts began on June 16, 2025, and were finalized on June 30, 2025. Vertex personnel guided the excavation of impacted soils. In successfully remediated areas, soils were removed from 1 to 5 feet bgs. In the areas between the separators, identified by samples BS25-31 through BS25-38, deferral is necessary due to the proximity of electrical and fluid lines running between the separators. The area between was deemed unsafe to excavate with mechanical equipment. Further attempts to excavate the area by hand digging did not meet with success due to the hard compacted caliche and were concluded after two days.

- Samples BS25-31 through BS25-38 were delineated horizontally and vertically by samples; BS25-09, BS25-14, BS25-21, and WS25-03.
- SS25-06 and SS25-07 define the edge of the spill going east and south of the separator base BH25-15 define the edge going south.

Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility as stipulated by NMOCD.

5.1 Variance and Confirmation Sampling

Confirmatory composite samples were collected from the base of the excavation in 400 square foot increments and sidewalls every 200 square feet increment in accordance with a variance approval. A total of 66 confirmatory samples

were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Cardinal Laboratories under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix D.

6.0 Deferral Request

6.1 Closure Denial

Exxon submitted the initial closure report to the NMOCD on October 15, 2025. The initial request was denied on November 10, 2025, with the following notations:

“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 1 and 5 (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, there is a significant watercourse located between 1000 ft-1/2 mile NE.

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 are freshwater emergent wetlands (playas) located between 1 and 5 miles to the southwest.

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 1 and 5 (mi.)”. According to the National Wetlands Inventory Mapper, there is a wetland riverine located between 1000 ft-1/2 mile NE. The minimum distances to all the above site receptors are required to be updated during C-141 application resubmission and within the report itself.

4) Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. Samples were collected on 6/26 and 7/7/25 and no C-141N was submitted for those dates.”

The Site Characterization research was updated to address the concerns in the comments of the denial. The answers to the C-141 application questions regarding significant watercourses, lakebeds, sinkholes, or playa lakes and wetlands reflect corrections and the notated comments.

The failure to provide proper Sampling Notification was resolved with a proper Sampling Notification submitted on November 17, 2025 and December 3, 2025, and recollection of the samples from June 26th on November 19, 2025 and December 5, 2025.

6.2 Deferral

On behalf of Exxon, Vertex requests deferral of the portions of the release that are designated in proximity to

ExxonMobil Corporation
Corral Canyon 15 CVB

Amended Release Assessment and Deferral
December 2025

infrastructure and equipment and is deemed unsafe for mechanical excavation of contaminated materials. An initial attempt was made to hand dig the area; however, such action was unsuccessful at remediating the area. The required mechanical excavation is both unsafe and not feasible given the proximity to equipment and infrastructure.

The remainder of the release area was fully delineated and remediated by June 30, 2025. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release location "under 50 feet to groundwater".

Vertex respectfully requests the deferral to be granted on the grounds that the material was unable to be safely excavated, the contamination is fully delineated, and it does not pose an imminent risk to human health, the environment, or ground water. Final remediation and reclamation will be deferred until such time as all oil and gas activities are terminated in accordance with 19.15.29.12 and 19.15.29.13 NMAC.

Should you have any questions or concerns, please do not hesitate to contact Chad Hensley at 575-200-6167 or CHensley@vertexresouce.com.

7.0 References

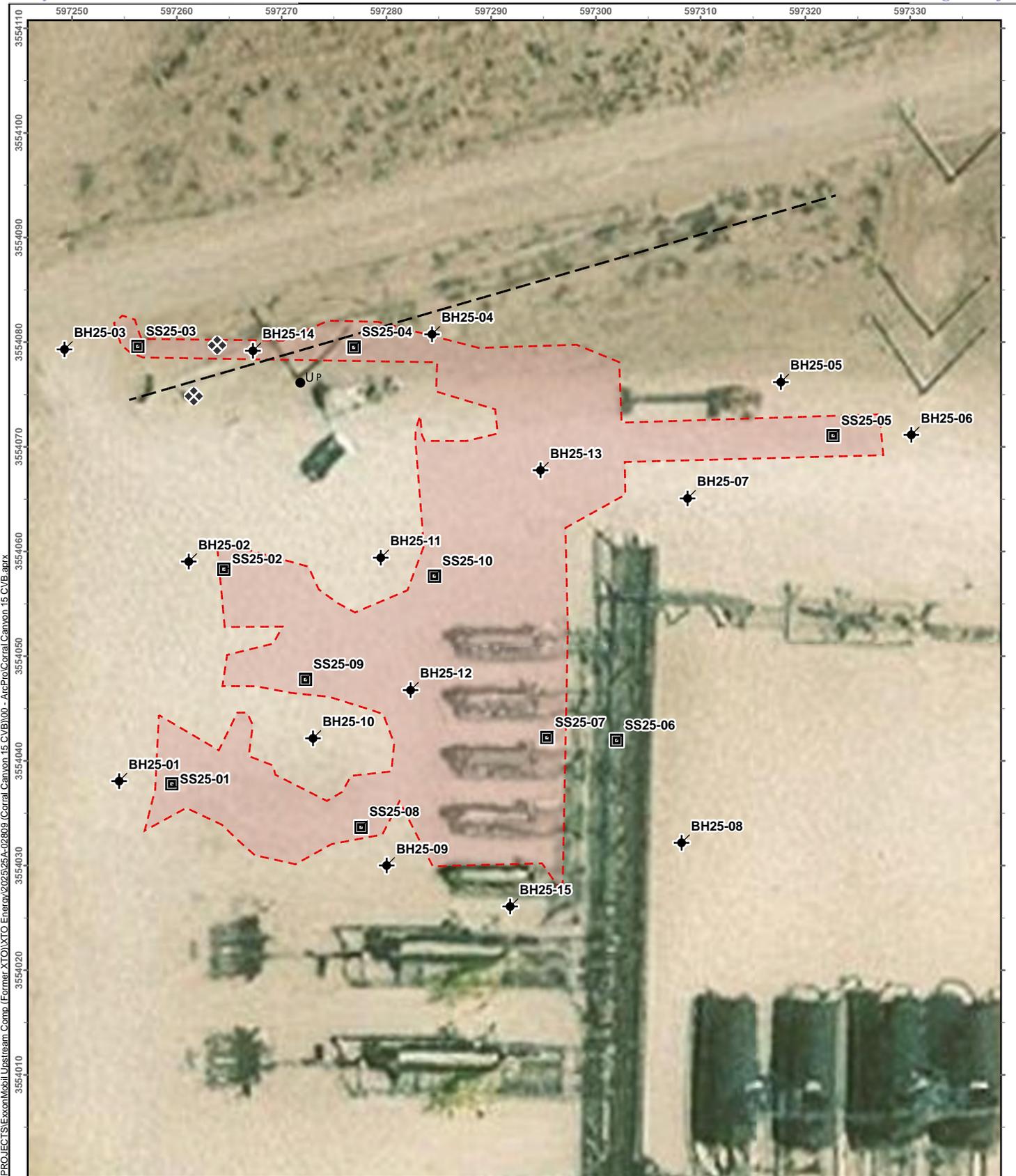
- Google Inc. (2025). *Google Earth Pro (Version 7.3.3)* [Software]. Retrieved from <https://earth.google.com>
- New Mexico Bureau of Geology and Mineral Resources. (2025). *Interactive Geologic Map*. Retrieved from <https://maps.nmt.edu/>
- New Mexico Department of Surface Water Quality Bureau. (2025). *Assessed and Impaired Waters of New Mexico*. Retrieved from <https://gis.web.env.nm.gov/oem/?map=swqb>
- New Mexico Energy, Minerals and Natural Resources Department. (2025). *OCD Permitting - Spill Search*. Retrieved from <https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/Data/Spills/Spills.aspx>
- New Mexico Mining and Minerals Division. (2025). *Coal Mine Resources in New Mexico*. Retrieved from <https://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=5f80f3b0faa545e58fe747cc7b037a93>
- New Mexico Office of the State Engineer. (2025a). *Point of Diversion Location Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html>
- New Mexico Office of the State Engineer. (2025b). *Water Column/Average Depth to Water Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html>
- New Mexico Office of the State Engineer. (2025c). *Well Log/Meter Information Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/meterReport.html>
- New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code – Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.
- United States Department of Agriculture, Natural Resources Conservation Service. (2025). *Web Soil Survey*. Retrieved from <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>
- United States Department of Homeland Security, Federal Emergency Management Agency. (2025). *FEMA Flood Map Service: Search by Address*. Retrieved from <https://msc.fema.gov/portal/search?AddressQuery=malaga%20new%20mexico#searchresultsanchor>
- United States Department of the Interior, Bureau of Land Management. (2018). *New Mexico Cave/Karst*. Retrieved from https://www.nm.blm.gov/shapeFiles/cfo/carlsbad_spatial_data.html
- United States Fish and Wildlife Service. (2025). *National Wetland Inventory - Surface Waters and Wetlands*. Retrieved from <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>
- United States Geological Survey. (2025). *National Water Information System: Web Interface*. Retrieved from <https://waterdata.usgs.gov/nwis>

8.0 Limitations

This report has been prepared for the sole benefit of ExxonMobil Corporation. 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 Corporation. 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



- ◆ Borehole
- ◆ Guywire Anchor
- Surface Sample
- U^P Utility Pole
- - Pipeline (Aboveground)
- Approximate Release Extent (~14,193 sq.ft.)



0 50 100 200 ft.
 NAD 1983 UTM Zone 13N
 Date: Jul 24/25

Map Center:
 Lat: 32.118674°N
 Long: 103.96866°W



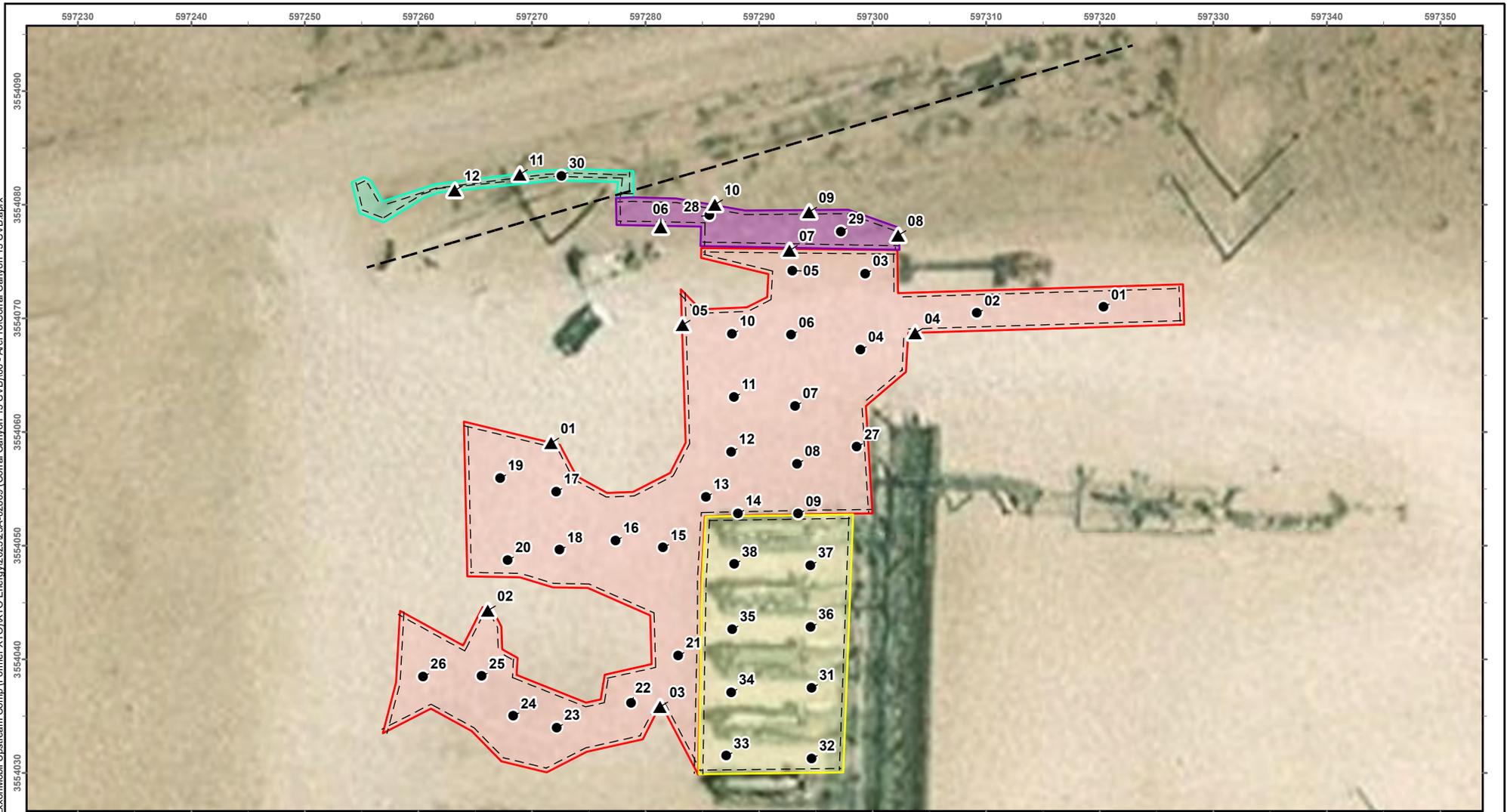
Characterization Schematic
 Corral Canyon 15 CVB

FIGURE:
 1



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

Note: Georeferenced image from Esri, 2024. Site features from GPS by Vertex Professional Services Ltd. (VPS), 2025.



- Base Sample (Prefixed by "BS25-")
- ▲ Wall Sample (Prefixed by "WS25-")
- Pipeline (Aboveground)
- Excavation to 1' bgs (~ 10,063 sq.ft. | 977 ft.)
- Excavation to 2' bgs (~ 333 sq.ft. | 190 ft.)
- Excavation to 5' bgs (~ 792 sq.ft. | 184 ft.)
- Deferral Area (~3,156 sq.ft. | 233 ft.)



0 10 20 40 ft.
 NAD 1983 UTM Zone 13N
 Date: Jul 09/25

Map Center:
 Lat: 32.118725°N,
 Long: 103.968687°W



**Confirmation Schematic
 Corral Canyon 15 CVB**

FIGURE:
2



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

Note: Georeferenced image from Esri, 2024. Site features from GPS by Vertex Professional Services Ltd. (VPS), 2025.

Document Path: S:\04 - Geomatics\1-Projects\1- US PROJECTS\ExxonMobil Upstream Comp (Former XTO)\XTO Energy\2025\25A-02809 (Corral Canyon 15 CVB)\00 - ArcPro\Corral Canyon 15 CVB.aprx

TABLES

Client Name: ExxonMobil Corporation
 Site Name: Corral Canyon 15 CVB
 NMOCD Tracking #: NAPP2513929022
 Project #: 25A-02809
 Lab Reports: H253202 and H254449

Table 3. Initial Characterization and Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable				Chloride Concentration (mg/kg)	
			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)
BH25-01	0	May 22, 2025	ND	ND	ND	ND	ND	ND	ND	160
	1	May 22, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-02	0	May 22, 2025	ND	ND	ND	ND	ND	ND	ND	64
	1	May 22, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-03	0	May 22, 2025	ND	ND	ND	ND	ND	ND	ND	80
	1	May 22, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-04	0	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	1	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-05	0	May 23, 2025	ND	ND	ND	15	ND	15	15	32
	2	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-06*	0	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	48
	2	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	96
BH25-07*	0	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	May 23, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-08	0	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	32
	1	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	48
BH25-09	0	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	112
	2	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-10	0	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	128
	2	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-11	0	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	64
	2	May 27, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-12	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	7120
	1	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	288
BH25-13	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	2720
	1	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	336
BH25-14	0	May 28, 2025	ND	ND	ND	32	ND	32	32	352
	1.5	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	5360
BH25-15*	0	July 23, 2025	ND	ND	ND	ND	ND	ND	ND	144
	1	July 23, 2025	ND	ND	ND	ND	ND	ND	ND	96
SS25-01	0	May 27, 2025	ND	ND	ND	43	ND	43	43	22800
SS25-02	0	May 27, 2025	ND	ND	ND	54	14	54	68	35600
SS25-03	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	192
SS25-04	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	160
SS25-05	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	720
SS25-06	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	48
SS25-07	0	May 28, 2025	ND	ND	ND	3790	539	3790	4329	5560



Client Name: ExxonMobil Corporation
 Site Name: Corral Canyon 15 CVB
 NMOCD Tracking #: NAPP2513929022
 Project #: 25A-02809
 Lab Reports: H253202 and H254449

Table 3. Initial Characterization and Laboratory Results										
Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration (mg/kg)
			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)	
SS25-08	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	5040
SS25-09	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	5080
SS25-10	0	May 28, 2025	ND	ND	ND	ND	ND	ND	ND	5400

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

* indicates it is a horizontal or vertical delineation for the deferral area

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



Client Name: ExxonMobil Corporation
 Site Name: Corral Canyon 15 CVB
 NMOCD Tracking #: NAPP2513929022
 Project #: 25A-02809
 Lab Reports: H253917, H253847, H253957, H25399, H254166, H257326 and H257599

Table 4. Confirmatory Sample and Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic	
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration (mg/kg)	
			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)		
											Depth to Groundwater ≤ 50 feet bgs
BS25-01	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	48
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	208
BS25-02	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	80
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	224
BS25-03	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	208
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
BS25-04	1	June 20, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
BS25-05	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	160
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	768
	1	December 5, 2025	ND	ND	ND	ND	ND	ND	ND	ND	208
BS25-06	1	June 20, 2025	ND	ND	ND	ND	ND	ND	ND	ND	304
BS25-07	1	June 20, 2025	ND	ND	ND	ND	ND	ND	ND	ND	320
BS25-08	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	224
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	368
BS25-09*	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	416
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	400
BS25-10	1	June 20, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
BS25-11	1	June 20, 2025	ND	ND	ND	ND	ND	ND	ND	ND	304
BS25-12	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	352
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	304
BS25-13	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	656
	1	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	112
BS25-14*	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	224
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	320
BS25-15	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	96
BS25-16	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
BS25-17	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	208
BS25-18	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	302
BS25-19	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	400
BS25-20	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	80
BS25-21*	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND	160
BS25-22	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND	128
BS25-23	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND	192
BS25-24	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND	320
BS25-25	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
BS25-26	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	ND	256



Client Name: ExxonMobil Corporation
 Site Name: Corral Canyon 15 CVB
 NMOCD Tracking #: NAPP2513929022
 Project #: 25A-02809
 Lab Reports: H253917, H253847, H253957, H253999, H254166, H257326 and H257599

Table 4. Confirmatory Sample and Laboratory Results											
Sample Description			Petroleum Hydrocarbons							Inorganic	
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration	
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MIRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)		
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Depth to Groundwater ≤ 50 feet bgs											
BS25-27	1	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	160
	1	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	592
BS25-28	5	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	304
	5	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	352
BS25-29	5	June 26, 2025	ND	ND	ND	ND	ND	ND	ND	ND	304
	5	November 19, 2025	ND	ND	ND	ND	ND	ND	ND	ND	304
BS25-30	2	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	608
	2	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	48
BS25-31*	0.25	June 30, 2025	ND	ND	ND	37.3	ND	37.3	37.3	37.3	2760
	0.25	July 11, 2025	ND	ND	ND	623	84	623	707	707	12400
BS25-32*	0.25	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	10500
BS25-33*	0.25	July 11, 2025	ND	ND	ND	40	ND	40	40	40	13300
BS25-34*	0.25	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	19000
BS25-35*	0.25	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	11600
BS25-36*	0.25	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	10200
BS25-37*	0.25	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	12200
BS25-38*	0.25	July 11, 2025	ND	ND	ND	632	134	632	766	766	10600
WS25-01	0-1	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	ND	400
WS25-02	0-1	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	ND	368
WS25-03*	0-1	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
WS25-04	0-1	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	ND	256
WS25-05	0-1	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	400
WS25-06	0-5	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	160
WS25-07	0-5	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	720
	0-5	July 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND	96
WS25-08	0-5	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	256
WS25-09	0-5	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	144
WS25-10	0-5	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	176
WS25-11	0-2	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	384
WS25-12	0-2	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	112
Backfill/ Caliche	-	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	192
Topsoil	-	June 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	16

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

* indicates it is a horizontal or vertical delineation for the deferral area

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

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



APPENDIX A – Closure Criteria Research Documentation

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02371		NE	SW	15	25S	29E	596741.0	3555106.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	1259	Driller Company:	CAMPBELL DRILLING		
Driller Name:	CAMPBELL, MICHAEL R.				
Drill Start Date:	1995-01-12	Drill Finish Date:	1995-01-24	Plug Date:	
Log File Date:	1995-02-01	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	20
Casing Size:	7.00	Depth Well:	200	Depth Water:	60

Water Bearing Stratifications:

Top	Bottom	Description
162	200	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
140	200

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/25/25 2:59 PM MST

Point of Diversion Summary

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | [Disclaimer](#) | [Contact Us](#) | [Help](#) | [Home](#) |



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 02371		C	ED		NE	SW	15	25S	29E	596741.0	3555106.0 *	●	1203	200	60	140
C 02680		CUB	ED		NE	SW	15	25S	29E	596741.0	3555106.0 *	●	1203	200		
C 04558 POD1		CUB	ED	SW	SE	SW	23	25S	29E	598353.7	3553039.4	●	1450			
C 04503 POD1		CUB	ED	SE	SW	SW	09	25S	29E	594883.5	3556142.6	●	3206			
C 04705 POD1		CUB	ED	NE	NW	NE	35	25S	29E	598866.5	3551191.8	●	3250			
C 04525 POD1		CUB	ED	SW	NW	NE	10	25S	29E	596975.8	3557505.4	●	3476			
C 02518		C	ED		SW	SE	08	25S	29E	593895.0	3556300.0 *	●	4091	462		
C 04529 POD1		CUB	ED	NW	SW	NW	18	25S	30E	601076.9	3555733.7	●	4129			
C 04324 POD10		CUB	ED	NW	NW	NW	09	25S	29E	594563.1	3557603.9	●	4494	65	60	5
C 04324 POD11		CUB	ED	NW	NW	NW	09	25S	29E	594576.3	3557619.5	●	4499	61	61	0
C 04324 POD9		CUB	ED	NW	NW	NW	09	25S	29E	594589.6	3557676.9	●	4536	72	62	10
C 04324 POD6		CUB	ED	NW	NW	NW	09	25S	29E	594538.5	3557657.9	●	4552	62	61	1
C 04324 POD12		CUB	ED	NE	NE	NE	08	25S	29E	594476.1	3557627.2	●	4566	65	60	5
C 04608 POD1		CUB	ED	NW	NW	NE	12	25S	29E	600080.2	3557719.0	●	4602	55		
C 04324 POD8		CUB	ED	SE	SE	SE	05	25S	29E	594442.0	3557807.0	●	4729	69	65	4
C 02459		C	ED	SE	SE	NW	02	25S	29E	598422.0	3558663.0 *	●	4750	150		
C 04604 POD1		CUB	ED	NW	NW	SW	01	25S	29E	599401.4	3558388.6	●	4821	102		
C 04473 POD1		CUB	ED	SW	SE	SW	33	25S	29E	595018.5	3549768.7	●	4850	110		

Average Depth to Water: **61 feet**

Minimum Depth: **60 feet**

Maximum Depth: **65 feet**

Record Count: 18

UTM Filters (in meters):

Easting: 597308.71

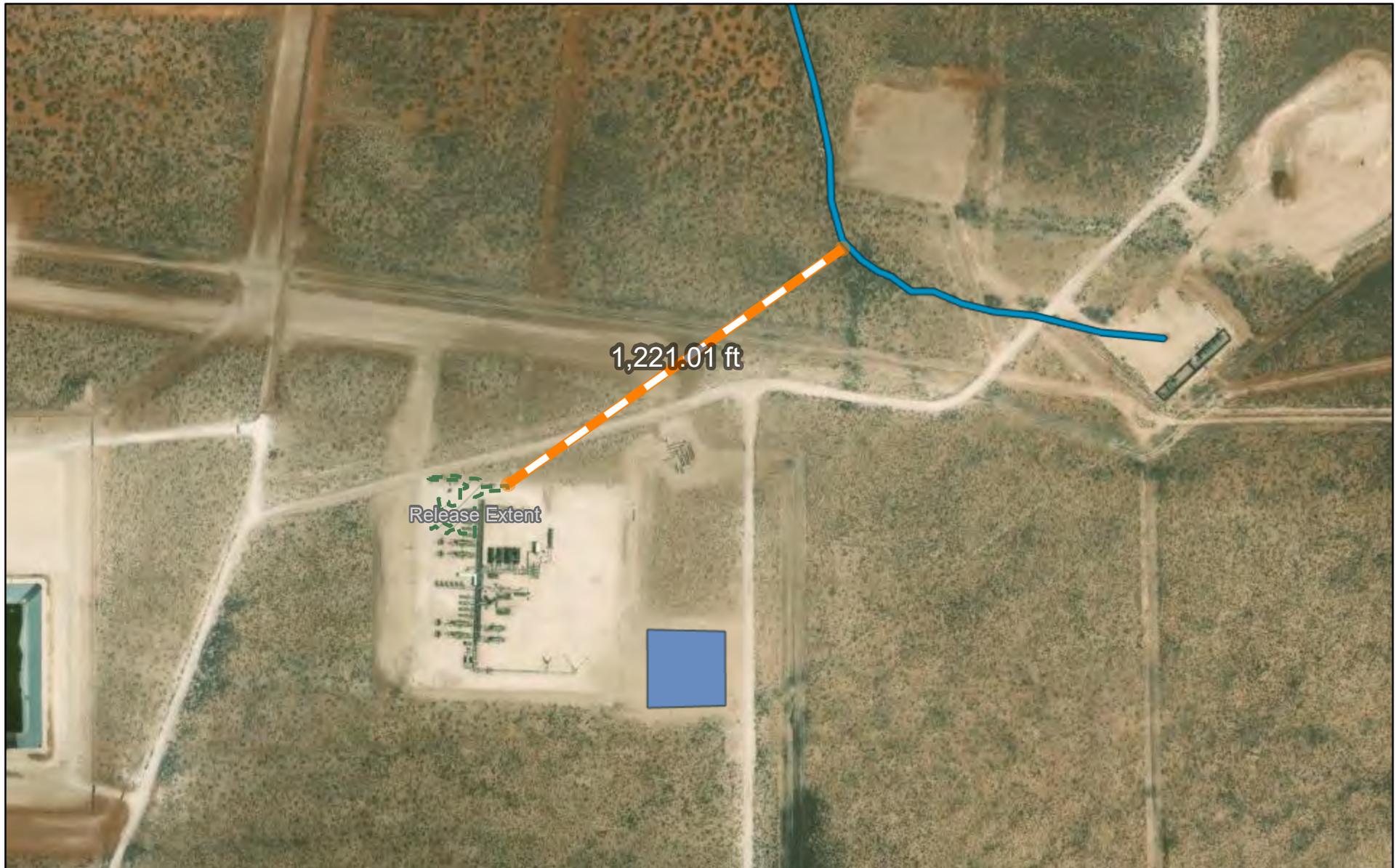
Northing: 3554045.04

Radius: 5000.0

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Corral Canyon 15 CVB - Riverine 1,221 ft

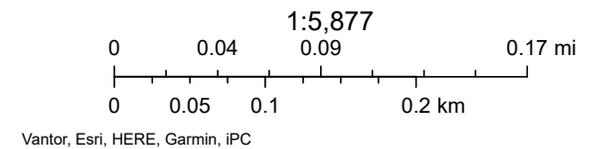


11/17/2025

- World_Boundaries_and_Places
- Release Extent
- Release Extent
- Wetlands
- Freshwater Pond
- Riverine
- USA Wetlands - USA Wetlands
- Marsh, Swamp, Bog, Prairie
- River

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery

- Citations
- 1.2m Resolution Metadata





02 - Corral Canyon 15 CVB - Riverine
1,221 ft



December 19, 2025

Wetlands

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

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



Corral Canyon Plake Lake Wetland

5,910 ft



May 25, 2025

Wetlands

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

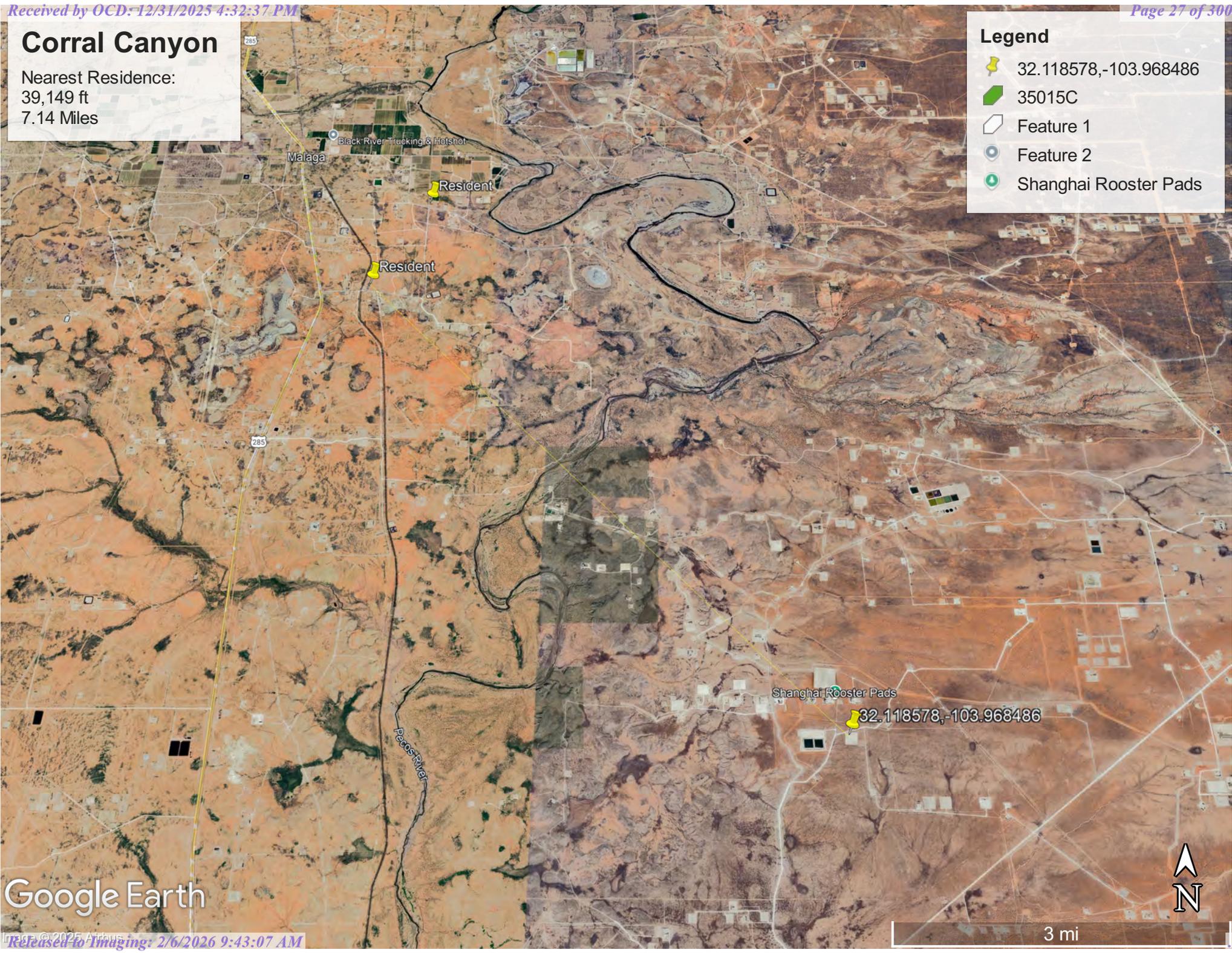
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Corral Canyon

Nearest Residence:
39,149 ft
7.14 Miles

Legend

-  32.118578,-103.968486
-  35015C
-  Feature 1
-  Feature 2
-  Shanghai Rooster Pads



Google Earth



3 mi



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

WR File Nbr	Sub basin	Use	Diversion (acre ft per annum)	Owner	County	POD Number	Well Tag	Code	Grant	Source	(R=POD has been replaced and no longer serves this file, C=the file is closed)				(quarters are 1=NW 2=NE 3=SW 4=SE)			(quarters are smallest to largest)		(NAD83 UTM in meters)		Map	Distance (meters)
											q64	q16	q4	Sec	Tws	Range	X	Y					
C 03617	C	STK	0.000	W.P.RANCHES FAMILY	ED	C 03617 POD1					SW	SE	SW	14	25S	29E	598207.8	3554566.4		1,039.3			
C 02371	C	STK	3.000	TRAN KING & WESTERN COMM. BANK	ED	C 02371				Shallow		NE	SW	15	25S	29E	596741.0	3555106.0 *		1,203.3			
C 02680	CUB	STK	3.000	TRANKING AND WESTERN COMMERCE BANK	ED	C 02680						NE	SW	15	25S	29E	596741.0	3555106.0 *		1,203.3			
C 04558	CUB	MON	0.000	XTO ENERGY INC	ED	C 04558 POD1	NA				SW	SE	SW	23	25S	29E	598353.7	3553039.4		1,450.3			
C 01667	C	STK	0.000	DELAWARE RANCH, INC.	ED	C 01667					NE	NE	NE	16	25S	29E	596021.0	3556005.0 *		2,345.1			
C 04851	CUB	MON	0.000	COG OPERATING LLC	ED	C 04851 POD1	NA				NW	NE	NW	24	25S	29E	599946.3	3554519.9		2,680.0			
C 04503	CUB	MON	0.000	XTO ENERGY INC	ED	C 04503 POD1	NA				SE	SW	SW	09	25S	29E	594883.5	3556142.6		3,206.5			
C 04705	CUB	MON	0.000	DEVON ENERGY	ED	C 04705 POD1	NA				NE	NW	NE	35	25S	29E	598866.5	3551191.8		3,250.8			
C 04525	CUB	MON	0.000	XTO ENERGY INC	ED	C 04525 POD1	NA				SW	NW	NE	10	25S	29E	596975.8	3557505.4		3,476.3			
C 04562	CUB	MON	0.000	XTO ENERGY INC	ED	C 04562 POD1	NA				NE	NE	NW	10	25S	29E	596791.7	3557692.7		3,684.1			
					ED	C 04562 POD2	NA				NE	NE	NW	10	25S	29E	596734.3	3557692.5		3,692.4			
C 02518	C	PRO	0.000	PENWELL ENERGY	ED	C 02518					SW	SE	08	25S	29E	593895.0	3556300.0 *		4,091.2				

WR File Nbr	Sub basin	Use	Diversio	Owner	County	POD Number	Well Tag	Code	Grant	Source	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)		Map	Distance (meters)		
											q64	q16	q4	Sec	Tws	Range			X	Y
C 04529	CUB	MON	0.000	XTO ENERGY INC	ED	C 04529 POD1	NA				NW	SW	NW	18	25S	30E	601076.9	3555733.7		4,129.3
LWD 03710	ST	PLS	0.600	NEW MEXICO STATE LAND OFFICE	OT	LWD 03710 POD1						NW	SW	02	25S	29E	597922.0	3558357.0 *		4,355.4
C 04324	CUB	MON	0.000	XTO ENERGY INC	ED	C 04324 POD10	NA			Shallow	NW	NW	NW	09	25S	29E	594563.1	3557603.9		4,494.9
					ED	C 04324 POD11	NA			Shallow	NW	NW	NW	09	25S	29E	594576.3	3557619.5		4,499.2
					ED	C 04324 POD9	NA			Shallow	NW	NW	NW	09	25S	29E	594589.6	3557676.9		4,537.0
					ED	C 04324 POD3	NA				NW	NW	NW	09	25S	29E	594548.4	3557656.5		4,545.5
					ED	C 04324 POD5	NA				NW	NW	NW	09	25S	29E	594532.0	3557644.6		4,546.1
					ED	C 04324 POD6	NA			Shallow	NW	NW	NW	09	25S	29E	594538.5	3557657.9		4,552.7
					ED	C 04324 POD1	NA				NW	NW	NW	09	25S	29E	594538.7	3557658.8		4,553.3
					ED	C 04324 POD4	NA				NW	NW	NW	09	25S	29E	594540.4	3557668.7		4,560.1
					ED	C 04324 POD2	NA				NW	NW	NW	09	25S	29E	594524.5	3557660.9		4,563.6
					ED	C 04324 POD12	NA			Shallow	NE	NE	NE	08	25S	29E	594476.1	3557627.2		4,566.8
C 04608	CUB	EXP	0.000	LUCID ENERGY DELAWARE LLC	ED	C 04608 POD1	NA				NW	NW	NE	12	25S	29E	600080.2	3557719.0		4,602.1
C 04324	CUB	MON	0.000	XTO ENERGY INC	ED	C 04324 POD8	NA			Shallow	SE	SE	SE	05	25S	29E	594442.0	3557807.0		4,729.7
C 02459	C	PRO	0.000	SANTA FE ENERGY RESOURCES INC.	ED	C 02459					SE	SE	NW	02	25S	29E	598422.0	3558663.0 *		4,750.3
C 04324	CUB	MON	0.000	XTO ENERGY INC	ED	C 04324 POD7	NA				SE	SE	SE	05	25S	29E	594410.0	3557863.0		4,793.7
C 04604	CUB	MON	0.000	OXY USA INC	ED	C 04604 POD1	NA				NW	NW	SW	01	25S	29E	599401.4	3558388.6		4,821.4

WR File Nbr	Sub basin	Use	Diversio n	Owner	County	POD Number	Well Tag	Code	Grant	Source	(R=POD has been replaced and no longer serves this file, C=the file is closed)				(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)			(NAD83 UTM in meters)		Map	Distance (meters)
											q64	q16	q4	Sec	Tws	Range	X	Y			
C 04473	CUB	MON	0.000	XTO ENERGY INC	ED	C 04473 POD1	NA				SW	SE	SW	33	25S	29E	595018.5	3549768.7		4,851.0	

Record Count: 30

Filters Applied:

UTM Filters (in meters):

Easting: 597308.71
Northing: 3554045.04
Radius: 5000.0

Sorted By: Distance

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Water Right Summary



[get image list](#)

WR File Number:	C 03617	Subbasin:	C	Cross Reference:	
Primary Purpose:	STK 72-12-1 LIVESTOCK WATERING				
Primary Status:	EXP Expired				
Total Acres:		Subfile:		Header:	
Total Diversion:	0.000	Cause/Case:			
Owner:	W.P. RANCHES FAMILY	Owner Class:	Owner		
Contact:	WAYLAND PERRY				
Owner:	BUREAU OF LAND MANAGEMENT UNITED STATES DEPT OF INTERIOR	Owner Class:	Owner		
Contact:	STEVE DALY				

Documents on File

(acre-ft)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
_get images	528784	72121	2013-06-06	EXP	EXP	C 03617	T		3.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 03617 POD1			SW	SE	SW	14	25S	29E	598207.8	3554566.4		

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

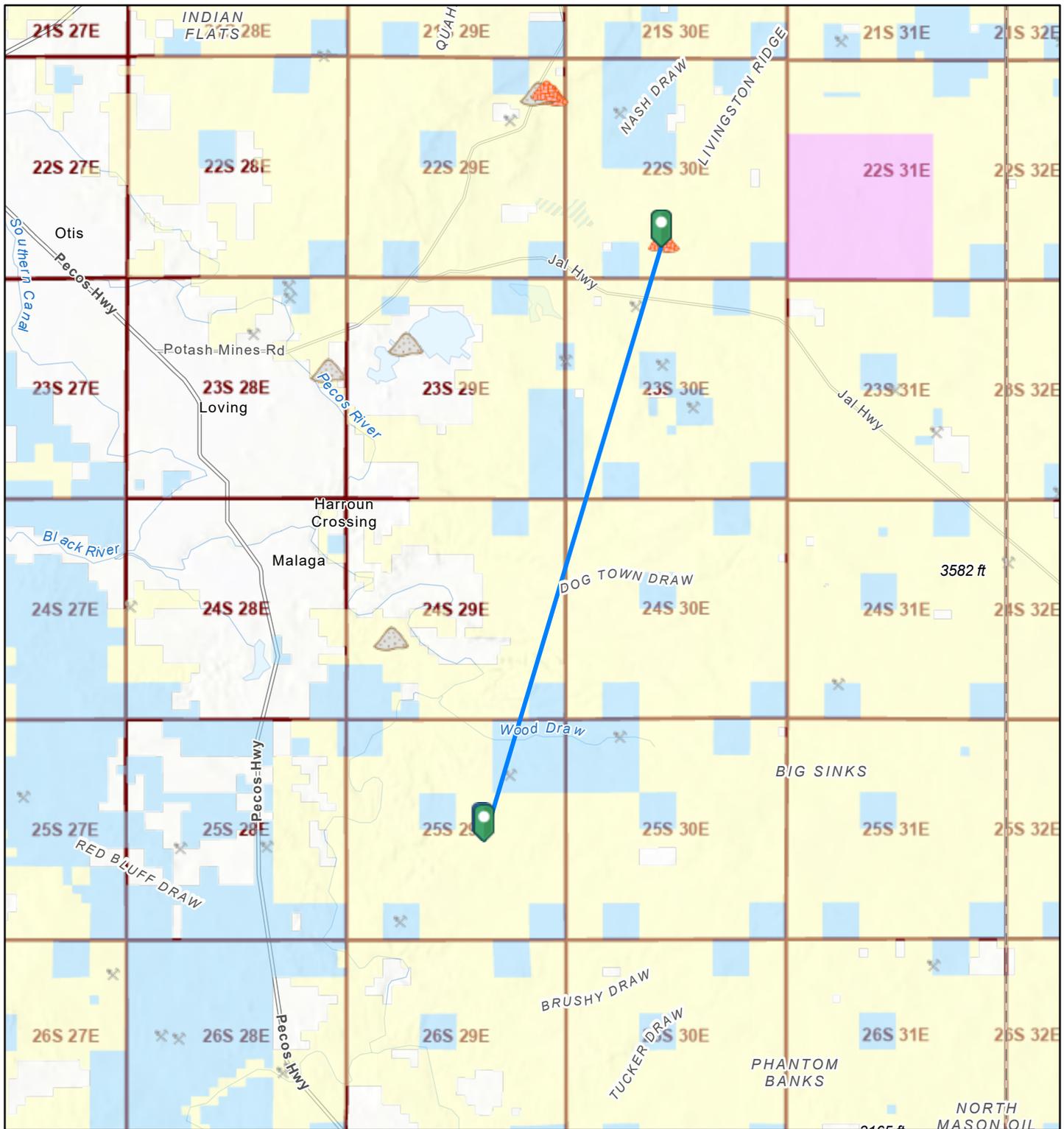
December 19, 2025

Wetlands

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

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

Active Mines in New Mexico



5/25/2025, 2:06:22 PM

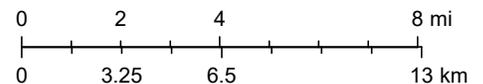
1:288,895

Registered Mines

Land Ownership

- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Potash
- Salt

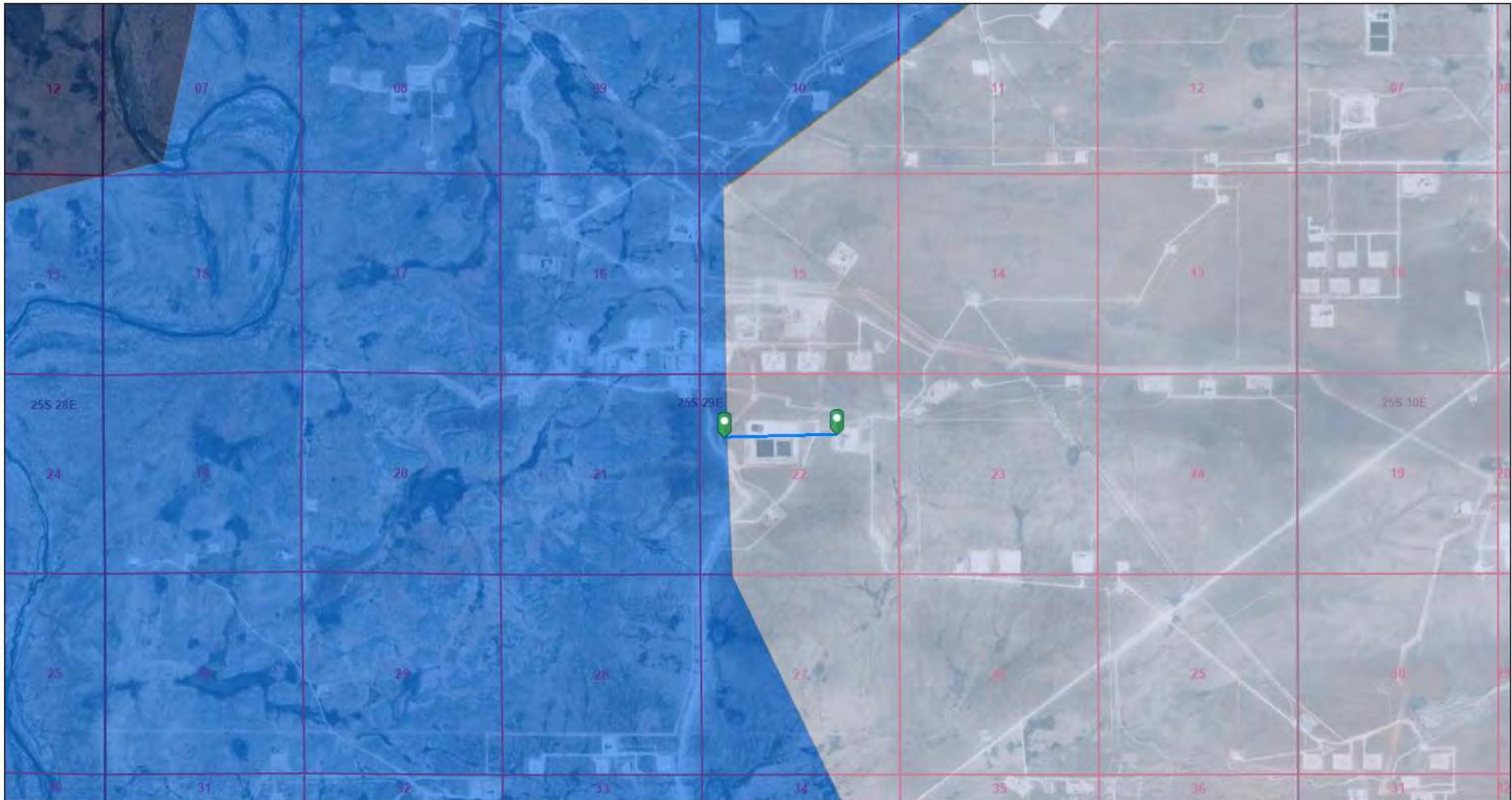
- BLM
- DOE
- P
- S
- PLSS Townships



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

EMNRD MMD GIS Coordinator

09 - Karst Potential (Corral Canyon 15 CVB) - Low -3,000 ft to Medium

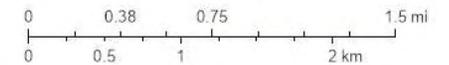


12/19/2025, 11:56:46 AM

Karst Occurrence Potential

 High	 Low	 Medium	 PLSS First Division	 PLSS Townships
--	---	--	---	--

1:36,112

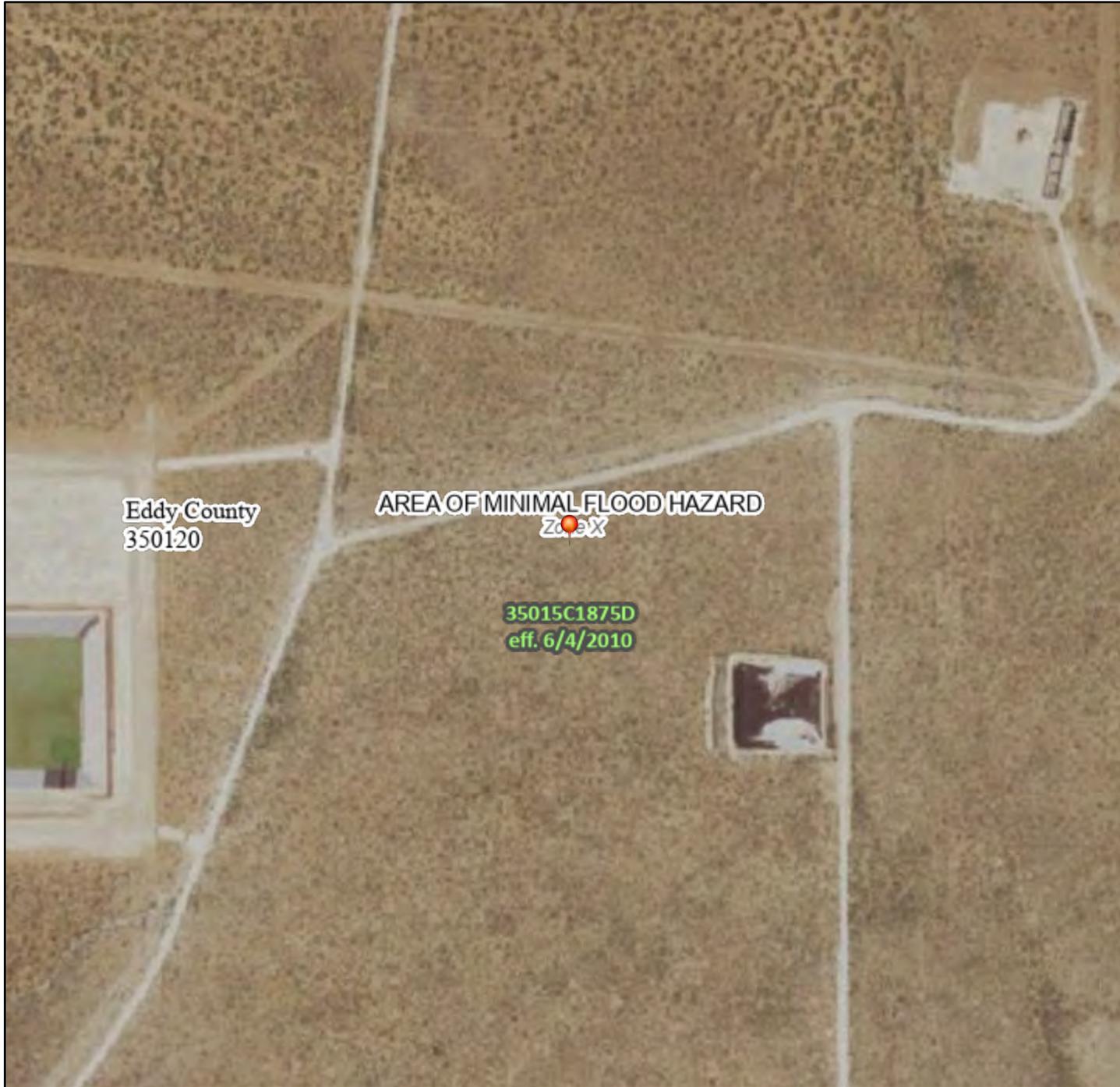


BLM, OCD, New Mexico Tech, Vantor, BLM

National Flood Hazard Layer FIRMMette



103°58'25"W 32°7'22"N



1:6,000

103°57'48"W 32°6'52"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		17.5 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
		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 5/25/2025 at 7:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

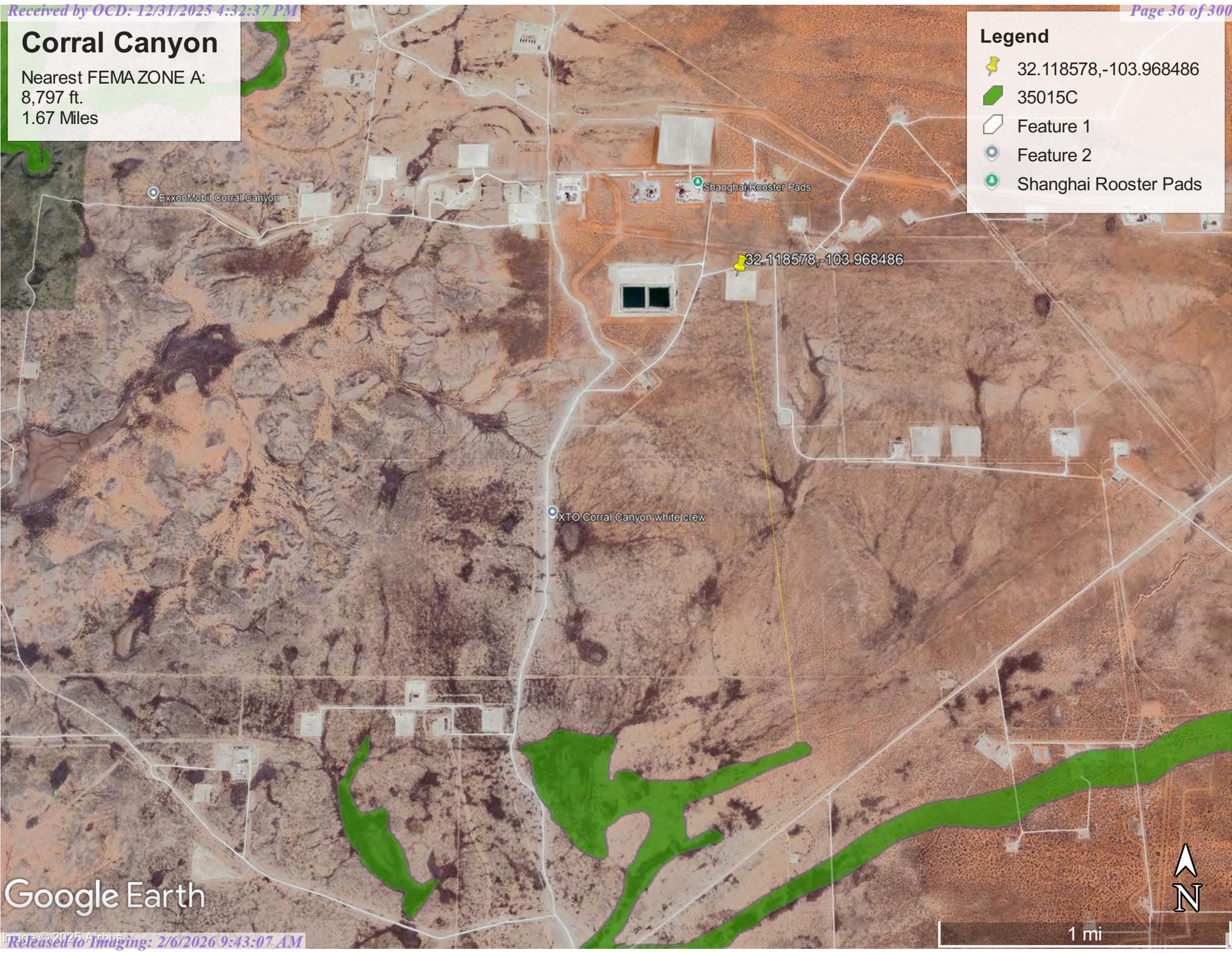
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Corral Canyon

Nearest FEMA ZONE A:
8,797 ft.
1.67 Miles

Legend

-  32.118578,-103.968486
-  35015C
-  Feature 1
-  Feature 2
-  Shanghai Rooster Pads



Google Earth





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



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.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface	2
How Soil Surveys Are Made	5
Soil Map	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Eddy Area, New Mexico.....	13
SA—Simona sandy loam, 0 to 3 percent slopes.....	13
References	15

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

Custom Soil Resource Report

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

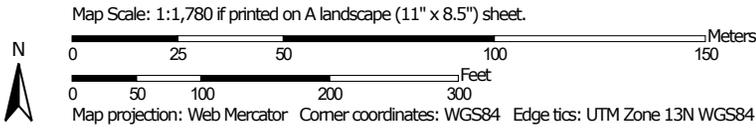
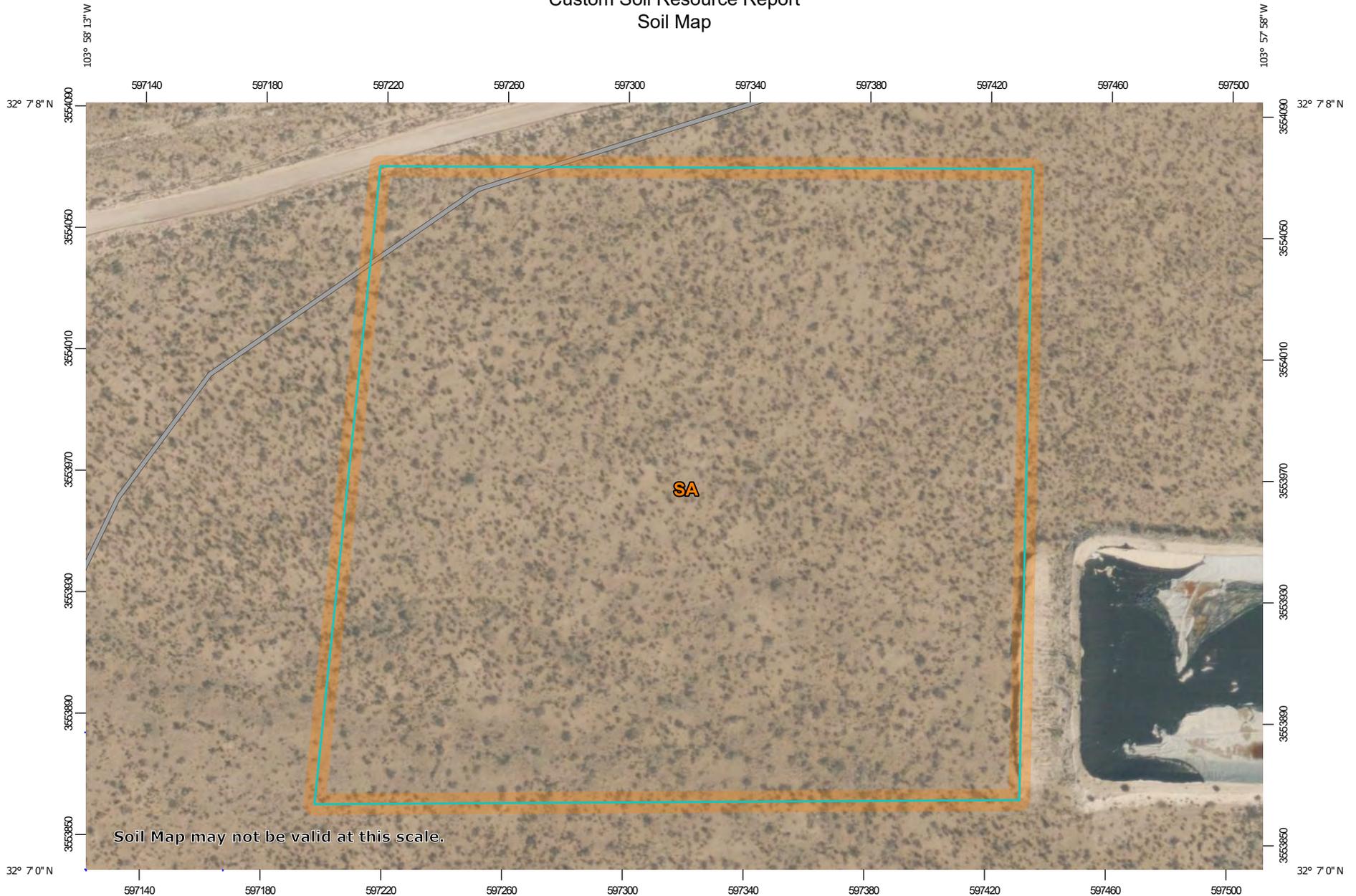
Custom Soil Resource Report

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



Custom Soil Resource Report

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 20, Sep 3, 2024

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.

Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SA	Simona sandy loam, 0 to 3 percent slopes	11.7	100.0%
Totals for Area of Interest		11.7	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.

Custom Soil Resource Report

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.

Custom Soil Resource Report

Eddy Area, New Mexico**SA—Simona sandy loam, 0 to 3 percent slopes****Map Unit Setting**

National map unit symbol: 1w5v
Elevation: 3,000 to 4,200 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona**Setting**

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam
H2 - 6 to 20 inches: fine sandy loam
H3 - 20 to 24 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 24 inches to petrocalcic
Drainage class: Well drained
Runoff class: 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 2.5 inches)

Interpretive groups

Land capability classification (irrigated): 4s
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Custom Soil Resource Report

Minor Components

Unnamed soils

Percent of map unit: 4 percent
Hydric soil rating: No

Playa

Percent of map unit: 1 percent
Landform: Flood-plain playas
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Convex, linear
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: Yes

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

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

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

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

Ecological site R070BD002NM Shallow Sandy

Accessed: 05/25/2025

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	Sandy Sandy sites often occur in association or in a complex with Shallow Sandy Sites.
-------------	--

Similar sites

R070BD004NM	Sandy Sandy ecological sites are similar to Shallow Sandy sites in species composition and Transition pathways.
-------------	---

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on plains, alluvial fans, uplands, or fan piedmonts. The parent material consists of mixed loamy alluvium or eolian material derived from igneous and sedimentary bedrock. The petrocalcic layer is at a depth of 10 to 25 inches and undulating.

Slopes are nearly level to undulating, usually less than 9 percent. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Plain (2) Fan piedmont (3) Alluvial fan
Elevation	2,842–4,500 ft
Slope	1–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer. The average frost-free season is from 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November. Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of the site. The vegetation of this site can take advantage of the moisture and the time it falls. Because of the soil profile, little moisture can be stored in the soil for any length of time. Moisture is readily available to the plants from the time it falls. Strong winds from the southwest blow from January through June which rapidly dries out the soil profile during a critical period for plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are very shallow to shallow, less than 20 inches in depth. Surface and subsurface textures are gravelly loamy sand, gravelly fine sandy loam or fine sandy loam.

An indurated calache layer occurs at depths of 6 to 25 inches and is at an average of 15 inches from the surface. Underlying material textures are very gravelly fine sandy loam, very gravelly sandy loam, gravelly fine sandy loam. Gravels are calcium carbonate concretions, calcium carbonate content ranges from 30 to 65 percent.

The indurated caliche layer typically holds water up in the profile for short periods within the root zone of plants. These soils will blow if left unprotected by vegetation.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

Simona

Jerag

Table 4. Representative soil features

Surface texture	(1) Fine sandy loam (2) Loamy fine sand (3) Gravelly fine sandy loam
Family particle size	(1) Loamy
Drainage class	Well drained to moderately well drained
Permeability class	Moderately slow to moderate
Soil depth	7–24 in
Surface fragment cover ≤3"	5–25%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	1–2 in
Calcium carbonate equivalent (0-40in)	5–15%
Electrical conductivity (0-40in)	0–4 mmhos/cm

Sodium adsorption ratio (0-40in)	0
Soil reaction (1:1 water) (0-40in)	7.4–8
Subsurface fragment volume <=3" (Depth not specified)	5–25%
Subsurface fragment volume >3" (Depth not specified)	0%

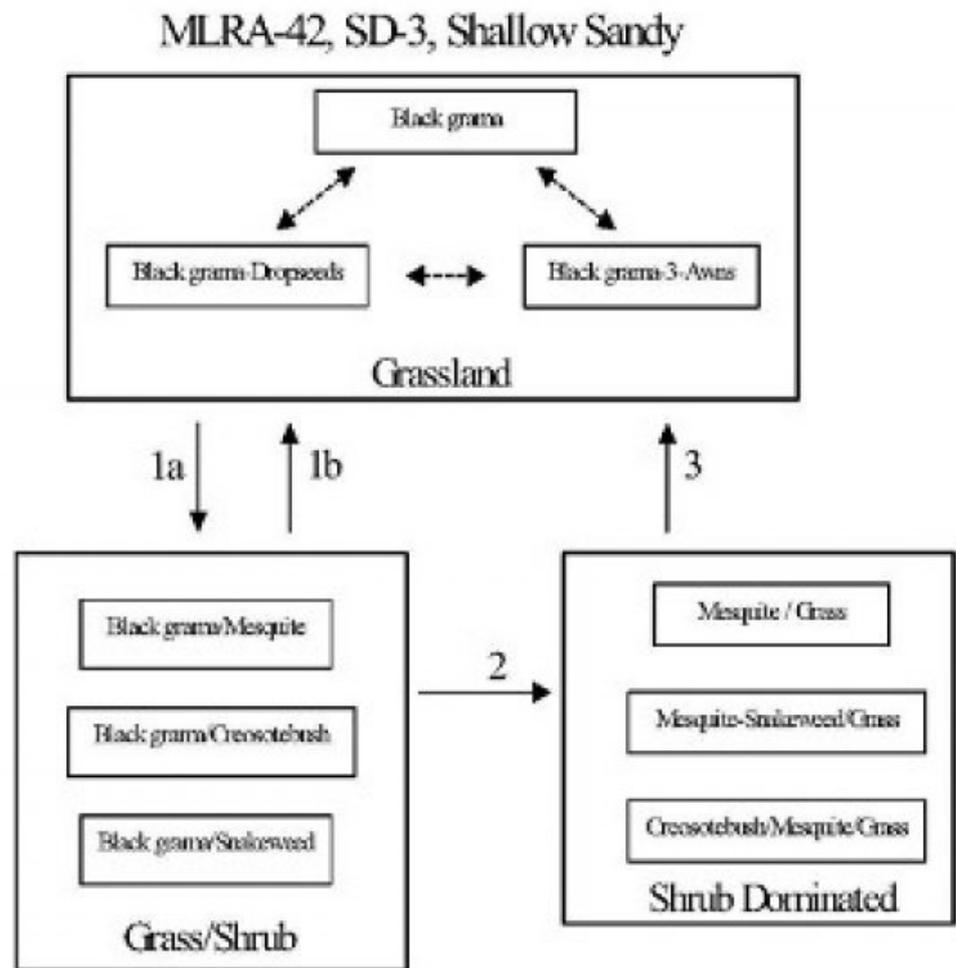
Ecological dynamics

Overview

The Shallow Sandy site occurs on upland plains, and tops of low ridges and mesas, associated with Sandy, Loamy Sand, and Shallow sites. Coarse to moderately coarse soil surface textures, shallow depth (<20 inches) to an indurated caliche layer (petrocalcic horizon), and an overwhelming dominance by black grama help to distinguish this site. The historic plant community of the Shallow Sandy site is a black grama dominated grassland sparsely dotted with shrubs. Shrubs, especially mesquite and creosotebush can increase or colonize due to the dispersal of shrub seeds by livestock or wildlife. This increase in mesquite and colonization of creosotebush may be enhanced by proximity to areas with existing high shrub densities. Fire suppression, and the loss of grass cover due to overgrazing or drought may facilitate the increase and encroachment of shrubs. Persistent loss of grass cover, competition for resources by shrubs, and periods of climate with increased winter precipitation and dry summers, may initiate the transition to a shrub-dominated state.

State and transition model

Plant Communities and Transitional Pathways (diagram)



- 1a. Seed dispersal, drought, overgrazing, fire suppression.
- 1b. Prescribed fire, brush control, prescribed grazing.
- 2. Persistent loss of grass cover, resource competition, increased winter precipitation.
- 3. Brush control, range seeding, prescribed grazing.

**State 1
Historic Climax Plant Community**

**Community 1.1
Historic Climax Plant Community**

Grassland: This site responds well to management and is resistant to state change, due to the shallow depth to petrocalcic horizon and sandy surface textures. The sandy surface textures allow rapid water infiltration and the petrocalcic horizon helps to keep water

perched and available to shallow rooted grasses. Black grama is the dominant species in the historic plant community, averaging 50 to 60 percent of the total production for this site. Bush muhly, blue grama, and dropseeds are present as sub-dominants. Typically, yucca, javalinabush, range ratany, prickly pear, and mesquite are sparsely dotted across the landscape. Leatherweed croton, cutleaf happlopappus, wooly groundsel, and threadleaf groundsel are common forbs. Continuous heavy grazing or extended periods of drought will cause a loss of grass cover characterized by a decrease in black grama, bush muhly, blue and sideoats grama, plains bristlegrass, and Arizona cottontop. Dropseeds and or threeawns may increase and become sub-dominant to black grama. Continued loss of grass cover in conjunction with dispersal of shrub seeds and fire suppression is believed to cause the transition to a state with increased amounts of shrubs (Grass/Shrub state).
 Diagnosis: Black grama is the dominant grass species. Grass cover uniformly distributed. Shrubs are a minor component averaging only two to five percent canopy cover. Litter cover is high (40-50 percent of area), and litter movement is limited to smaller size class litter and short distances (<. 5m). Other grasses that could appear on this site would include: six-weeks grama, fluffgrass, false-buffalograss, hairy grama, little bluestem, bristle panicum, cane bluestem, Indian ricegrass, tridens spp., and red lovegrass. Other woody plants include: pricklypear, cholla, fourwing saltbush, catclaw mimosa, winterfat, American tarbush and mesquite. Other forbs include: globemallow, verbena, desert holly, senna, plains blackfoot, trailing fleabane, fiddleneck, deerstongue, wooly Indianwheat, and locoweed.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	474	652	830
Forb	78	107	136
Shrub/Vine	48	66	84
Total	600	825	1050

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	30-35%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	40-50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%

Bedrock	0%
Water	0%
Bare ground	15-25%

Figure 5. Plant community growth curve (percent production by month). NM2802, R042XC002NM-Shallow Sandy-HCPC. SD-3 Shallow Sandy - Warm season plant community.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2 Grass/Shrub

Community 2.1 Grass/Shrub

Grass/Shrub: This state is characterized by the notable presence of shrubs, especially mesquite, broom snakeweed, and/or creosotebush, however grasses remain as the dominant species. Black grama is the dominant grass species. Threeawns and or dropseeds are sub-dominant. The susceptibility of the Shallow Sandy site to shrub encroachment may be higher when located adjacent to other sites with high densities of mesquite or creosotebush. Retrogression within this site is characterized by decreases in grass cover and increasing densities of shrubs. Diagnosis: Black grama remains as the dominant grass species. Grass cover varies in response to the amount of shrub increase, ranging from uniform to patchy. Shrubs are found at increased densities relative to the grassland state, especially mesquite, creosotebush, or broom snakeweed. Transition to Grass/Shrub (1a) Historically fire may have kept mesquite and other shrubs in check by completely killing some species and disrupting seed production cycles and suppressing the establishment of shrub seedlings in others. Fire suppression combined with seed dispersal by livestock and wildlife is believed to be the factors responsible for the establishment and increase in shrubs.1, 3 Loss of grass cover due to overgrazing, prolonged periods of drought, or their combination, reduces fire fuel loads and increases the susceptibility of the site to shrub establishment. Key indicators of approach to transition: Increase in the relative abundance of dropseeds and threeawns Presence of shrub seedlings Loss of organic matter—evidenced by an increase in physical soil crusts 8 Transition back to Grassland (1b) Brush control is necessary to initiate the transition back to the grassland state. If adequate fuel loads remain, possibly the reintroduction of fire as a management tool will assist in the transition back, however, mixed results have been observed concerning the effects of fire on black grama grasslands.6 Prescribed grazing will help ensure adequate rest following brush control and will assist in the establishment and maintenance of grass cover capable of sustaining fire.

State 3 Shrub Dominated

Community 3.1 Shrub Dominated

Shrub-Dominated: Across the range of soil types included in the Shallow Sandy site, mesquite is typically the dominant shrub, but it does occur as a co-dominant or sub-dominant species with creosotebush or broom snakeweed. Mesquite tends to dominate when the Shallow Sandy site occurs as part of a complex or in association with Sandy or Loamy Sand sites. Creosotebush tends to dominate on Shallow Sandy sites that occur as part of, or adjacent to Shallow Sites. Broom snakeweed increases in response to heavy grazing, but tends to cycle in and out depending on timing of rainfall. However, once the site is dominated by shrubs and snakeweed becomes well established, it tends to remain as a major component in the shrub dominated state. Diagnosis: Mesquite, creosotebush, or snakeweed cover is high, exceeding that of grasses. Grass cover is patchy with large connected bare areas present. Black grama, threeawns, or dropseeds may be the dominant grass. Evidence of accelerated wind erosion in the form of pedestalling of plants, and soil deposition around shrub bases may be common. Transition to Shrub-Dominated (2) Persistent loss of grass cover and the resulting increased competition between shrubs and remaining grasses for dwindling resources (especially soil moisture) may drive this transition.⁵ Additionally periods of increased winter precipitation may facilitate periodic episodes of shrub expansion and establishment. 4 Key indicators of approach to transition: Increase in size and frequency of bare patches. Loss of grass cover in shrub interspaces. Increased signs of erosion, evidenced by pedestalling of plants, and soil and litter deposition on leeward side of plants. 7 Transition back to Grassland (3) Brush control is necessary to reduce competition from shrubs and reestablish grasses. Range seeding may be necessary if insufficient grasses remain, The benefits, and costs, will vary depending upon the degree of site degradation, and adequate precipitation following seeding.

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	Warm Season			413–495	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	413–495	–
2	Warm Season			41–83	
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	41–83	–
3	Warm Season			41–83	

	blue grama	BOGR2	<i>Bouteloua gracilis</i>	41-83	-
4	Warm Season			25-41	
	sideoats grama	BOCU	<i>Bouteloua curtipendula</i>	25-41	-
5	Warm Season			41-83	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	41-83	-
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	41-83	-
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	41-83	-
6	Warm Season			17-41	
	threeawn	ARIST	<i>Aristida</i>	17-41	-
7	Warm Season			41-83	
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	41-83	-
	plains bristlegrass	SEVU2	<i>Setaria vulpiseta</i>	41-83	-
8	Warm Season			41-83	
	mat sandbur	CELO3	<i>Cenchrus longispinus</i>	41-83	-
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	41-83	-
9	Other Perennial Grasses			25-41	
	Grass, perennial	2GP	<i>Grass, perennial</i>	25-41	-
Shrub/Vine					
10	Shrub			8-25	
	javelina bush	COER5	<i>Condalia ericoides</i>	8-25	-
11	Shrub			8-25	
	yucca	YUCCA	<i>Yucca</i>	8-25	-
12	Shrub			8-25	
	jointfir	EPHED	<i>Ephedra</i>	8-25	-
	littleleaf ratany	KRER	<i>Krameria erecta</i>	8-25	-
13	Shrub			8-25	
	featherplume	DAFO	<i>Dalea formosa</i>	8-25	-
14	Shrub			8-25	
	broom snakeweed	GUSA2	<i>Gutierrezia sarothrae</i>	8-25	-
15	Other Shrubs			25-41	
	Shrub (>.5m)	2SHRUB	<i>Shrub (>.5m)</i>	25-41	-
Forb					
16	Forb			17-41	
	leatherweed	CRPOP	<i>Croton pottsii var. pottsii</i>	17-41	-

	Goodding's tansyaster	MAPIG2	<i>Machaeranthera pinnatifida</i> <i>ssp. gooddingii</i> var. <i>gooddingii</i>	17–41	–
17	Forb			17–41	
	woolly groundsel	PACA15	<i>Packera cana</i>	17–41	–
	threadleaf ragwort	SEFLF	<i>Senecio flaccidus</i> var. <i>flaccidus</i>	17–41	–
18	Forb			8–25	
	whitest evening primrose	OEAL	<i>Oenothera albicaulis</i>	8–25	–
19	Other Forbs			8–25	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	8–25	–

Animal community

This site provides habitats which support a resident animal community that is characterized by pronghorn antelope, swift fox, black-tailed jackrabbit, spotted ground squirrel, Ord's kangaroo rat, northern grasshopper mouse, coyote, horned lark, meadowlark, lark bunting, scaled quail, morning dove, side-blotched lizard, round-tailed horned lizard, marbled whiptail, prairie rattlesnake and ornate box turtle.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations
Soil Series Hydrologic Group
Jarag D
Simona D

Recreational uses

This site offers recreation for hiking, horseback riding, nature observation and photography, and quail and dove hunting. During years of abundant spring moisture, this site displays a riot of color from wildflowers during May and June. A few summer and fall flowers also occur.

Wood products

The natural potential plant community of this site affords little or no wood products. Where the site has been invaded by mesquite or cholla cactus the roots and stems of these plants provide attractive material for a variety of curiosities, such as lamps and small furniture.

Other products

This site is suitable for grazing by all kinds and classes of livestock during all seasons of the year. Because of the sandy textures and shallow profile, this site will respond rapidly to management. As this site deteriorates, plants such as black grama, bush muhly, blue and sideoats grama, plains bristlegrass and Arizona cottontop, will decrease and be replaced by plants such as threeawns, mesquite, creosote bush, and broom snakeweed. This also causes a decrease in ground cover, leaving the soil to blow. This site responds best to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.5 – 3.5

75 – 51 3.2 – 4.6

50 – 26 4.5 – 7.5

25 – 0 7.6 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature References:

1. Brooks, M.L. and D.A. Pyke. 2001. Invasive plants and fire in the deserts of North America. Pages 1–14 in K.E.M. Galley and T.P. Wilson (eds.). Proceedings of the Invasive Species Workshop: the Role of Fire in the Control and Spread of Invasive Species.
2. Hennessy, J.T., R.P. Gibbens, J.M. Tromble, and M. Cardenas. 1983. Water properties of caliche. *J. Range Manage.* 36: 723-726.
3. Humphrey, R.R. 1974. Fire in the deserts and desert grassland of North America. In:

Kozlowski, T. T.; Ahlgren, C. E., eds. Fire and ecosystems. New York: Academic Press: 365-400.

4. Moir, W.H., and J. A. Ludwig. 1991. Plant succession and changing land features in desert grasslands. P. 15-18. In P.F. Ffolliott and W.T. Swank (eds.) People and the temperate region: a summary of research from the United States Man and the Biosphere Program 1991. U.S. Dept. State, Publ No. 9839, Nat. Tech. Info. Serv., U.S. Dept. Commerce, Springfield, Illinois. 63 p.

5. Tiedemann, A. R. and J. O. Klemmedson. 1977. Effect of mesquite trees on vegetation and soils in the desert grassland. J. Range Manage. 30: 361-367.

6. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (2002, September). Fire Effects Information System, [Online]. Available: <http://www.fs.fed.us/database/feis/> [accessed 2/10/03].

7. U.S. Department of Agriculture, Natural Resources Conservation Service. 2001. Soil Quality Information Sheets. Rangeland Soil Quality—Wind Erosion. Rangeland Sheet 10 [Online]. Available: <http://www.statlab.iastate.edu/survey/SQL/range.html>

8. U.S. Department of Agriculture, Natural Resources Conservation Service. 2001. Soil Quality Information Sheets. Rangeland Soil Quality—Physical and Biological Soil Crusts. Rangeland Sheet 7 [Online]. Available: <http://www.statlab.iastate.edu/survey/SQL/range.html>

Contributors

David Trujillo
Don Sylvester

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	

Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

2. **Presence of water flow patterns:**

3. **Number and height of erosional pedestals or terracettes:**

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

5. **Number of gullies and erosion associated with gullies:**

6. **Extent of wind scoured, blowouts and/or depositional areas:**

7. **Amount of litter movement (describe size and distance expected to travel):**

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

Dominant:

Sub-dominant:

Other:

Additional:

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

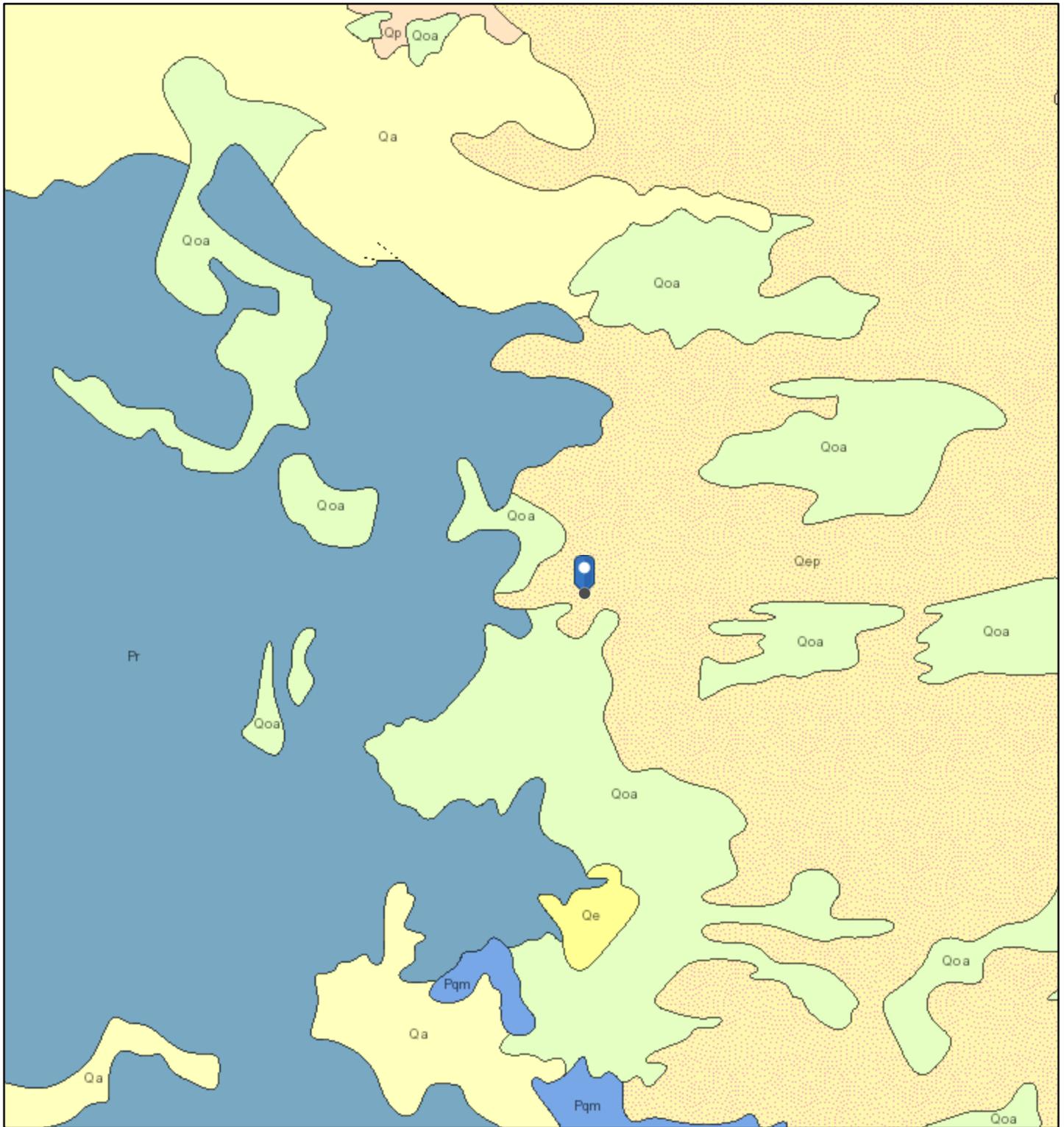
14. **Average percent litter cover (%) and depth (in):**

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

17. **Perennial plant reproductive capability:**

ArcGIS Web Map

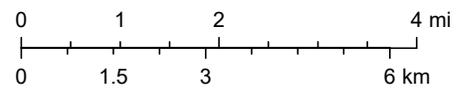


5/25/2025, 1:13:43 PM

1:144,448

Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perennial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)



Esri, NASA, NGA, USGS, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data;

ArcGIS Web AppBuilder



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

June 04, 2025

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: CORRAL CANYON 15

Enclosed are the results of analyses for samples received by the laboratory on 05/29/25 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/22/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 01 0' (H253202-01)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/22/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 01 1' (H253202-02)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/22/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 02 0' (H253202-03)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/22/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 02 1' (H253202-04)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/22/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 03 0' (H253202-05)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/30/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/22/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 03 1' (H253202-06)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 04 0' (H253202-07)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 04 1' (H253202-08)

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	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/30/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 55.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 57.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 05 0' (H253202-09)

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	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	15.2	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 05 2' (H253202-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	178	89.0	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	172	85.8	200	0.0513	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 06 0' (H253202-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.84	91.8	2.00	3.16	
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/30/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 06 2' (H253202-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/30/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 07 0' (H253202-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/30/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 92.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/23/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 07 1' (H253202-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 08 0' (H253202-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 08 1' (H253202-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 09 0' (H253202-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 09 2' (H253202-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 10 0' (H253202-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 10 2' (H253202-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 11 0' (H253202-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 11 2' (H253202-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 12 0' (H253202-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 12 1' (H253202-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 13 0' (H253202-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 13 1' (H253202-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 14 0' (H253202-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	31.6	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 14 1.5' (H253202-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39		
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	207	103	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 01 (H253202-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39		
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22800	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81		
DRO >C10-C28*	43.3	10.0	05/30/2025	ND	207	103	200	2.11		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 02 (H253202-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39	
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380	
Total BTEX	<0.300	0.300	05/30/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	35600	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	218	109	200	1.81	
DRO >C10-C28*	54.3	10.0	05/30/2025	ND	207	103	200	2.11	
EXT DRO >C28-C36	14.3	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 03 (H253202-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39		
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 04 (H253202-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39		
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380		
Total BTEX	<0.300	0.300	05/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 05 (H253202-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.70	85.0	2.00	3.39		
Toluene*	<0.050	0.050	05/30/2025	ND	1.80	89.8	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.82	90.8	2.00	0.555		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.66	94.3	6.00	0.380		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 06 (H253202-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.93	96.4	2.00	5.72		
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 07 (H253202-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5560	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	3790	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	539	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 226 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 08 (H253202-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2025	ND	1.93	96.4	2.00	5.72	
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245	
Total BTEX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	05/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 09 (H253202-37)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.93	96.4	2.00	5.72		
Toluene*	<0.050	0.050	05/30/2025	ND	1.98	99.1	2.00	2.69		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.97	98.7	2.00	0.839		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.09	102	6.00	0.0245		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5080	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/29/2025	Sampling Date:	05/28/2025
Reported:	06/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: SS 25 - 10 (H253202-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.84	91.8	2.00	3.16		
Toluene*	<0.050	0.050	05/30/2025	ND	1.94	96.8	2.00	3.28		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.92	96.1	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.68	94.7	6.00	3.55		
Total BTEX	<0.300	0.300	05/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5400	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85		
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND						

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: VERTEX RESOURCE GROUP		BILL TO				ANALYSIS REQUEST																			
Project Manager: CHAD HENSLEY		P.O. #:				TPH (GRO, DRG, MRO) Chlorides BTEX																			
Address: 3101 BOYD DR		Company: Exxon Mobil																							
City: CARLSBAD State: NM Zip: 88220		Attn: Dale wooda II																							
Phone #: Fax #:		Address:																							
Project #: 25A-02809 Project Owner:		City: on file																							
Project Name: CORRAL CANYON IS		State: Zip:																							
Project Location:		Phone #:																							
Sampler Name: KATRINA TAYLOR		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME											
H253202																									
11	BH25-06 0												5/23	11:00	X	X	X								
12	BH25-06 2												↓	11:30											
13	BH25-07 0												↓	12:00											
14	BH25-07 1												↓	12:30											
15	BH25-08 0												5/27	9:00											
16	BH25-08 1												↓	9:30											
17	BH25-09 0												↓	10:00											
18	BH25-09 2												↓	10:30											
19	BH25-10 0												↓	11:00											
20	BH25-10 2												↓	11:30											

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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Katrina Taylor	Date: 5/29	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 8am		All Results are emailed. Please provide Email address:
Relinquished By:	Date: 5-29-25	Received By: [Signature]	REMARKS: ATTN: Robert Woodall @ ExxonMobil.com
	Time: 1:340		bill to Exxon
Delivered By: (Circle One)	Observed Temp. °C 0.9	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.2	CHECKED BY: (Initials) [Signature]	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
			Thermometer ID #13 #140 Correction Factor -0.3°C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Group		BILL TO		ANALYSIS REQUEST											
Project Manager: CHAD HENSLEY		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (GRO, PKG, MRO)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>											
Address: 3101 BOYD Dr		Company: Ver Exxon Mobil													
City: CARLSBAD State: NM Zip: 88220		Attn: Dale Woodall													
Phone #: _____ Fax #: _____		Address: 3104 E Green st													
Project #: 25A-02809 Project Owner: _____		City: Carlsbad													
Project Name: CORRAL CANYON IS		State: NM Zip: 88220													
Project Location: _____		Phone #: 575-988-4374													
Sampler Name: KATRINA TAYLOR		Fax #: _____													

Lab I.D.	Sample I.D.	(GRAB OR (C)OMP # CONTAINERS	MATRIX							PRESERV.		SAMPLING		DATE	TIME	TPH (GRO, PKG, MRO)	chlorides	BTEX
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER							
<i>H253202</i>										<input checked="" type="checkbox"/>								
21	BH25-11 0					X							5/27	12:00	X	X	X	
22	BH25-11 2												↓	12:30				
23	BH25-12 0												5/28	9:00				
24	BH25-12 1													9:10				
25	BH25-13 0													9:20				
26	BH25-13 1													9:30				
27	BH25-14 0													9:40				
28	BH25-14 1-5												↓	9:50				
29	SS25-01												5/27	12:40				
30	SS25-02												↓	12:50				

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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Katrina Taylor	Date: 5/29 Time: 8:00	Received By: _____	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____
Relinquished By: _____	Date: 5-29-25 Time: 1340	Received By: Turnara Oldakyl	REMARKS: ATTN: Robert Woodall @ exxonmobil plz bill to Exxon
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 0.9 Corrected Temp. °C: 1.2	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) JO
		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
		Thermometer ID # N3 #140 Correction Factor -0.3°C +0.3°C	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: VERTEX RESOURCE GROUP		BILL TO				ANALYSIS REQUEST																					
Project Manager: CHAD HENSLEY		P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (GROU, DRU, MRO)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>																					
Address: 3101 BOYD DR		Company: Exxon Mobil																									
City: CARLSBAD State: NM Zip: 88220		Attn: Dale woodall																									
Phone #: _____ Fax #: _____		Address: 3104 E GREEN ST																									
Project #: 25A-02809 Project Owner: _____		City: Carlsbad NM																									
Project Name: CORRAL CANYON IS		State: NM Zip: 88220																									
Project Location: _____		Phone #: 575-988-4137																									
Sampler Name: KATRINA TAYLOR		Fax #: _____																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME													
H253202																											
31	SS25-03												5/28	10:00	X	X	X										
32	SS25-04																										
33	SS25-05																										
34	SS25-06																										
35	SS25-07																										
36	SS25-08																										
37	SS25-09																										
38	SS25-10																										

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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Katrina Taylor	Date: 5/29	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 2:00			All Results are emailed. Please provide Email address:
Relinquished By:	Date: 5-29-25	Received By: Katrina Taylor	REMARKS: ATTN: robert.d. woodall @ exxon mobil. Com
	Time: 1:340		plz bill to Exxon
Delivered By: (Circle One)	Observed Temp. °C: 0.9	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 1.2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C:
			Corrected Temp. °C:
			Thermometer ID: #13 #140
			Correction Factor: -0.3°C +0.3°C

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



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

July 29, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/23/25 14:36.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/23/2025	Sampling Date:	07/23/2025
Reported:	07/29/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BH 25 - 15 @ 0' (H254449-01)

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	07/24/2025	ND	1.93	96.7	2.00	9.00	
Toluene*	<0.050	0.050	07/24/2025	ND	1.94	97.1	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	1.99	99.4	2.00	7.98	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.01	100	6.00	7.54	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2025	ND	196	98.0	200	0.734	
DRO >C10-C28*	<10.0	10.0	07/24/2025	ND	184	91.8	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	07/24/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/23/2025
 Reported: 07/29/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH 25 - 15 @ 1' (H254449-02)

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	07/24/2025	ND	1.93	96.7	2.00	9.00	
Toluene*	<0.050	0.050	07/24/2025	ND	1.94	97.1	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/24/2025	ND	1.99	99.4	2.00	7.98	
Total Xylenes*	<0.150	0.150	07/24/2025	ND	6.01	100	6.00	7.54	
Total BTEX	<0.300	0.300	07/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2025	ND	203	101	200	2.10	
DRO >C10-C28*	<10.0	10.0	07/25/2025	ND	188	94.1	200	0.799	
EXT DRO >C28-C36	<10.0	10.0	07/25/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

July 02, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 06/26/25 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene
Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/19/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 15 @ 1 (H253847-01)

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	06/27/2025	ND	2.01	100	2.00	2.83	
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37	
Total BTEX	<0.300	0.300	06/27/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/27/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/19/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 16 @ 1 (H253847-02)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 62.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/19/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 17 @ 1 (H253847-03)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/19/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 18 @ 1 (H253847-04)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 89.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/19/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 19 @ 1 (H253847-05)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/19/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 20 @ 1 (H253847-06)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/20/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 04 @ 1 (H253847-07)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/20/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 06 @ 1 (H253847-08)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/20/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 07 @ 1 (H253847-09)

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	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/20/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 10 @ 1 (H253847-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/20/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 11 @ 1 (H253847-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/20/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BACKFILL @ 1 (H253847-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 21 @ 1 (H253847-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 22 @ 1 (H253847-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 23 @ 1 (H253847-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 24 @ 1 (H253847-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 25 @ 1 (H253847-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 26 @ 1 (H253847-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

of

Company Name: Exxon Mobil Corporation
Project Manager: Chad Hensley
Address: 3101 Boyd Dr
City: Carlsbad State: NM Zip: 88220
Phone #: 575-725-5001 Fax #:
Project #: 25A-02809 Project Owner:
Project Name: Corral Canyon 15 CVB
Project Location: Rural Eddy
Sampler Name: Katrina Taylor
BILL TO: P.O. #: Company: ExxonMobil Corporation Attn: Dale Woodall Address: 3104 East Greene Street City: Carlsbad State: NM Zip: 88220 Phone #: 575-988-2390 Fax #:
ANALYSIS REQUEST: Chlorides TPH BTEX
FOR LAB USE ONLY: Lab I.D. Sample I.D. MATRIX PRESERV. SAMPLING
Table with columns for Matrix (Groundwater, Wastewater, Soil, Oil, Sludge, Other), Preservation (Acid/Base, Ice/Cool, Other), Date, Time, and Analysis Results (Chlorides, TPH, BTEX).

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.

Relinquished By: Katrina Taylor Date: 6-26-25 Received By: [Signature] Date: 1340
Delivered By: (Circle One) Sampler: UPS Bus Other:
Observed Temp. °C: -0.7°C Corrected Temp. °C: -0.4°C
Sample Condition: Cool Intact Yes Yes No No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard Rush
Bacteria (only) Sample Condition: Cool Intact Yes Yes No No Observed Temp. °C Corrected Temp. °C

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



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

July 07, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene
Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 01 @ 1 (H253917-01)

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	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 02 @ 1 (H253917-02)

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	06/30/2025	ND	1.95	97.3	2.00	0.427		
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/30/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38		
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859		
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND						

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 03 @ 1 (H253917-03)

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	06/30/2025	ND	1.95	97.3	2.00	0.427		
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/30/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38		
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859		
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND						

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 05 @ 1 (H253917-04)

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	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 08 @ 1 (H253917-05)

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	06/30/2025	ND	1.95	97.3	2.00	0.427		
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	06/30/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38		
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859		
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND						

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 09 @ 1 (H253917-06)

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	06/30/2025	ND	1.95	97.3	2.00	0.427		
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	06/30/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38		
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859		
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND						

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 12 @ 1 (H253917-07)

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	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 13 @ 1 (H253917-08)

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	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 14 @ 1 (H253917-09)

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	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 27 @ 1 (H253917-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427		
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/30/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.1	200	2.38		
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	180	90.2	200	0.859		
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND						

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 28 @ 5 (H253917-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 29 @ 5 (H253917-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427		
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/01/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	192	96.1	200	2.38		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	180	90.2	200	0.859		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/24/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: WS 25 - 01 @ 0-1 (H253917-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/01/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	06/30/2025	Sampling Date:	06/24/2025
Reported:	07/07/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: WS 25 - 02 @ 0-1 (H253917-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/01/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 03 @ 0-1 (H253917-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/01/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 06/30/2025
 Reported: 07/07/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 04 @ 0-1 (H253917-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.95	97.3	2.00	0.427	
Toluene*	<0.050	0.050	06/30/2025	ND	2.10	105	2.00	0.115	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	1.95	97.5	2.00	0.486	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.87	97.8	6.00	0.0375	
Total BTEX	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/01/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	192	96.1	200	2.38	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	180	90.2	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

July 08, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/01/25 13:06.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene
Lab Director/Quality Manager



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:	07/01/2025	Sampling Date:	06/30/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BS 25 - 30 @ 2' (H253957-01)

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	07/01/2025	ND	2.02	101	2.00	2.29	
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/02/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	191	95.5	200	0.917	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	213	106	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 07/01/2025
 Reported: 07/08/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 - 31 @ 0.25' (H253957-02)

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	07/01/2025	ND	2.02	101	2.00	2.29	
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	07/02/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	191	95.5	200	0.917	
DRO >C10-C28*	37.3	10.0	07/01/2025	ND	213	106	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	07/01/2025	Sampling Date:	06/30/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: WS 25 - 05 @ 0-1 (H253957-03)

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	07/01/2025	ND	2.02	101	2.00	2.29	
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/02/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	191	95.5	200	0.917	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	213	106	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 07/01/2025
 Reported: 07/08/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 06 @ 0-5 (H253957-04)

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	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	191	95.5	200	0.917		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	213	106	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 07/01/2025
 Reported: 07/08/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 07 @ 0-5 (H253957-05)

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	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	07/01/2025	Sampling Date:	06/30/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: WS 25 - 08 @ 0-5 (H253957-06)

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	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 98.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 07/01/2025
 Reported: 07/08/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 09 @ 0-5 (H253957-07)

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	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 95.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	07/01/2025	Sampling Date:	06/30/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: WS 25 - 10 @ 0-2 (H253957-08)

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	07/01/2025	ND	2.02	101	2.00	2.29	
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/02/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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: 07/01/2025
 Reported: 07/08/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS 25 - 11 @ 0-2 (H253957-09)

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	07/01/2025	ND	2.02	101	2.00	2.29	
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961	
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57	
Total BTEX	<0.300	0.300	07/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/02/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71	
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	07/01/2025	Sampling Date:	06/30/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: WS 25 - 12 @ 0-2 (H253957-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

July 10, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 12:46.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/03/2025	Sampling Date:	06/30/2025
Reported:	07/10/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: TOPSOIL (H253999-01)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919		
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443		
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND						

Surrogate: 1-Chlorooctane 71.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

July 17, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 12:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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:	07/14/2025	Sampling Date:	07/11/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 30 @ 2.0' (H254166-01)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/15/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 31 @ 0.25' (H254166-02)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	07/15/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	196	97.9	200	0.373	
DRO >C10-C28*	623	10.0	07/15/2025	ND	176	87.9	200	0.974	
EXT DRO >C28-C36	84.4	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 133 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 32 @ 0.25' (H254166-03)

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	07/15/2025	ND	1.83	91.7	2.00	3.79		
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98		
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48		
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48		
Total BTEX	<0.300	0.300	07/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10500	16.0	07/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	196	97.9	200	0.373		
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	176	87.9	200	0.974		
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND						

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 33 @ 0.25' (H254166-04)

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	07/15/2025	ND	1.83	91.7	2.00	3.79		
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98		
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48		
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48		
Total BTEX	<0.300	0.300	07/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13300	16.0	07/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	196	97.9	200	0.373		
DRO >C10-C28*	40.2	10.0	07/15/2025	ND	176	87.9	200	0.974		
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND						

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 34 @ 0.25' (H254166-05)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	07/15/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 35 @ 0.25' (H254166-06)

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	07/15/2025	ND	1.83	91.7	2.00	3.79		
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98		
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48		
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48		
Total BTEX	<0.300	0.300	07/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11600	16.0	07/15/2025	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204		
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04		
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND						

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 36 @ 0.25' (H254166-07)

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	07/15/2025	ND	1.83	91.7	2.00	3.79		
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98		
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48		
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48		
Total BTEX	<0.300	0.300	07/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10200	16.0	07/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204		
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04		
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND						

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 37 @ 0.25' (H254166-08)

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	07/15/2025	ND	1.83	91.7	2.00	3.79		
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98		
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48		
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48		
Total BTEX	<0.300	0.300	07/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12200	16.0	07/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204		
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04		
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND						

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 38 @ 0.25' (H254166-09)

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	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	07/15/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	632	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	134	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS25 - 13 @ 1' (H254166-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/15/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/14/2025
 Reported: 07/17/2025
 Project Name: CORRAL CANYON 15 CVB
 Project Number: 25A - 02809
 Project Location: EXXON MOBIL - RURAL EDDY

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS25 - 07 @ 0-5' (H254166-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.83	91.7	2.00	3.79	
Toluene*	<0.050	0.050	07/15/2025	ND	1.93	96.7	2.00	2.98	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	1.93	96.6	2.00	2.48	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	5.68	94.7	6.00	2.48	
Total BTEX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/15/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	194	96.8	200	0.204	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	191	95.4	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Vertex Resource</i>		BILL TO		ANALYSIS REQUEST											
Project Manager: <i>Chad Hensley</i>		P.O. #: <i>2263261001</i>													
Address: <i>3101 Boyd drive</i>		Company: <i>ExxonMobil</i>													
City: <i>Carlsbad</i> State: <i>NM</i> Zip: <i>88220</i>		Attn: <i>Dale Woodall</i>													
Phone #: <i>575-200-6167</i> Fax #:		Address: <i>3104E Greene St</i>													
Project #: <i>25A-02809</i> Project Owner:		City: <i>Carlsbad</i>													
Project Name: <i>Corral canyon 15 CV8</i>		State: <i>NM</i> Zip: <i>88220</i>													
Project Location:		Phone #: <i>575-988-2390</i>													
Sampler Name: <i>Riley Arnold</i>		Fax #:													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	BTEx	TPH	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
<i>H2541166</i>	<i>8525-30 @ 2.0'</i>	<i>C</i>	<i>1</i>			<i>X</i>					<i>X</i>		<i>7.11.25</i>		<i>X</i>	<i>X</i>	<i>X</i>	
<i>2</i>	<i>8525-31 @ 0.25'</i>																	
<i>3</i>	<i>8525-32 @ 0.25'</i>																	
<i>4</i>	<i>8525-33 @ 0.25'</i>																	
<i>5</i>	<i>8525-34 @ 0.25'</i>																	
<i>6</i>	<i>8525-35 @ 0.25'</i>																	
<i>7</i>	<i>8525-36 @ 0.25'</i>																	
<i>8</i>	<i>8525-37 @ 0.25'</i>																	
<i>9</i>	<i>8525-38 @ 0.25'</i>																	
<i>10</i>	<i>8525-13 @ 1'</i>																	

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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: <i>7-14-25</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <i>1229</i>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	<i>cherstley@vertexresource.com</i>
	Time:		REMARKS: <i>Karnold@vertexresource.com</i>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <i>2.6</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>[Signature]</i>
	Corrected Temp. °C <i>2.4</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
FORM-006 R 3.0 02/12/25			Thermometer ID #140 Correction Factor +0.3°C
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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



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

November 26, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 11/20/25 14:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene
Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 01 @ 1' (H257326-01)

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	11/22/2025	ND	2.01	100	2.00	2.41	
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 02 @ 1' (H257326-02)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 61.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 56.9 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 03 @ 1' (H257326-03)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 80.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 05 @ 1' (H257326-04)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 61.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 57.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 08 @ 1' (H257326-05)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 64.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 59.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 09 @ 1' (H257326-06)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 72.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 12 @ 1' (H257326-07)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 79.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 14 @ 1' (H257326-08)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 77.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 27 @ 1' (H257326-09)

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	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	11/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 75.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 28 @ 5' (H257326-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2025	ND	2.01	100	2.00	2.41	
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	352	16.0	11/24/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	193	96.6	200	0.775	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	198	99.1	200	0.130	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/26/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 29 @ 5' (H257326-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2025	ND	2.01	100	2.00	2.41		
Toluene*	<0.050	0.050	11/22/2025	ND	2.09	105	2.00	0.784		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	0.0898		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.09	101	6.00	0.269		
Total BTEX	<0.300	0.300	11/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	193	96.6	200	0.775		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	198	99.1	200	0.130		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 78.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: Company Name, Project Manager, Address, City, State, Zip, Phone, Fax, Project #, Project Owner, Project Name, Project Location, Sampler Name, BILL TO, ANALYSIS REQUEST, and a table for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling.

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.

Form with sections: Relinquished By, Received By, Date, Time, Verbal Result, Remarks, Delivered By, Observed Temp., Sample Condition, Checked By, Turnaround Time, Bacteria (only), Sample Condition, Thermometer ID, Correction Factor.

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Vertex Resource</u>				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Chad Hensley</u>				P.O. #: <u>2263261001</u>																							
Address: <u>3101 Boyd drive</u>				Company: <u>ExxonMobil</u>																							
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>Dale Woodall</u>																							
Phone #: <u>575-200-6167</u> Fax #:				Address: <u>3104 E Greene St</u>																							
Project #: <u>25A-02809</u> Project Owner:				City: <u>Carlsbad</u>																							
Project Name: <u>Cosial canyon 15 CVB</u>				State: <u>NM</u> Zip: <u>88220</u>																							
Project Location:				Phone #:																							
Sampler Name: <u>Riley Arnold</u>				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER				ACID/BASE ICE / COOL OTHER		DATE TIME													
<u>H573ay</u>		<u>B525-29 @ 5'</u>		<u>C</u>		<u>1</u>		<u>X</u>				<u>X</u>		<u>11.19.25 2:20</u>		<u>BTEX</u> <u>TPH</u> <u>chloride</u>											

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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

0402401K

Relinquished By: <u>[Signature]</u>		Date: <u>11-20-25</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1420</u>		Date: _____		Received By: _____		All Results are emailed. Please provide Email address:	
Relinquished By: _____		Date: _____		Received By: _____		Time: _____	
Delivered By: (Circle One)		Observed Temp. °C <u>4.8</u>		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>5.1</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>[Signature]</u>	
FORM-000-R 3.3 08/03/24						Turnaround Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush	
						Thermometer ID #140	
						Correction Factor <u>-0.5°C +0.3°C</u>	
						Bacteria (only) Sample Condition	
						Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

REMARKS: GFLM: 48605000
chensley@vertexresource.com Rainold@vertexresource.com

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



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

December 12, 2025

CHAD HENSLEY
VERTEX RESOURCE
3101 BOYD DRIVE
CARLSBAD, NM 88220

RE: CORRAL CANYON 15 CVB

Enclosed are the results of analyses for samples received by the laboratory on 12/08/25 12:13.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/08/2025	Sampling Date:	12/05/2025
Reported:	12/12/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 15 CVB	Sampling Condition:	Cool & Intact
Project Number:	25A - 02809	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL - RURAL EDDY		

Sample ID: BS25 - 05 @ 1' (H257599-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2025	ND	1.75	87.6	2.00	0.958	
Toluene*	<0.050	0.050	12/09/2025	ND	1.83	91.6	2.00	2.50	
Ethylbenzene*	<0.050	0.050	12/09/2025	ND	1.92	96.2	2.00	5.41	
Total Xylenes*	<0.150	0.150	12/09/2025	ND	5.86	97.6	6.00	6.94	
Total BTEX	<0.300	0.300	12/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	208	16.0	12/08/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2025	ND	206	103	200	6.77	
DRO >C10-C28*	<10.0	10.0	12/09/2025	ND	227	114	200	6.52	
EXT DRO >C28-C36	<10.0	10.0	12/09/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd drive
City: Carlsbad State: NM Zip: 88220
Phone #: 575-200-6167 Fax #:
Project #: 25A-02809 Project Owner:
Project Name: Loral canyon 15 CVB
Project Location:
Sampler Name: Riley Arnold
BILL TO
P.O. #:
Company: ExxonMobil
Attn: Dale Woodall
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., (GRAB OR (C)OMP. # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), and chemical analysis results (BTEX, TPH, Chloride).

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.

Relinquished By: [Signature] Date: 12-8-25 Time: 12:13
Received By: [Signature] Date: Time:
Verbal Result: [] Yes [] No Add'l Phone #:
REMARKS: P.O. #: 2263261001 GFCM: 48605000
Turnaround Time: Standard [] Rush [x]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Thermometer ID #140 Correction Factor -0.6°C +0.3:

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

APPENDIX B – Daily Field and Sampling Reports



Daily Site Visit Report

Field Notes

7:22 DFR is backdated to account for the reports not generating at the original time of site assessment

7:22 Work authorization was received upon arrival on site

7:22 The location spill was mapped on env prj

7:23 4 stakes were placed for an 811 and the 811 was called in from location

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: Southwest



Northeast 811 point

Viewing Direction: Southeast



Northwest corner of the 811

Viewing Direction: Northwest



Southeast corner of the 811

Viewing Direction: East



Northwest corner of the 811



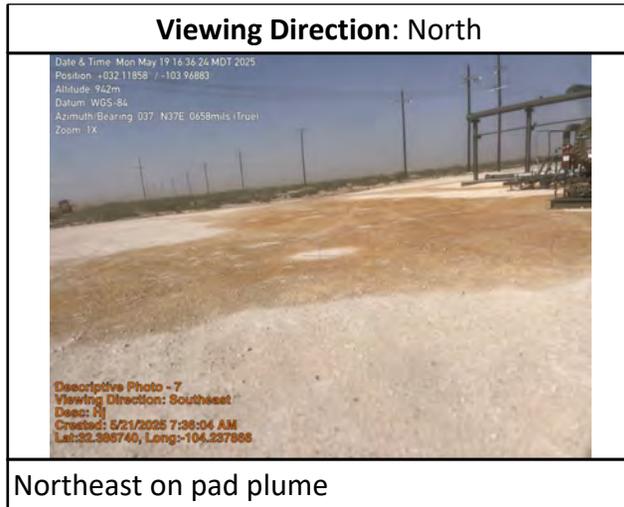
Daily Site Visit Report



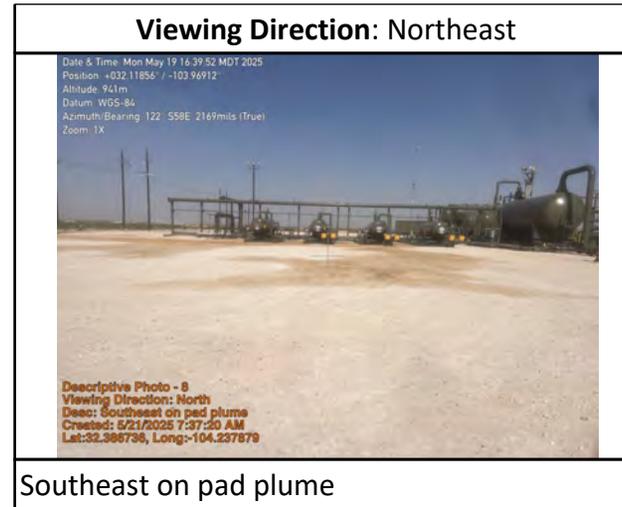
Off pad area of release



Release flowed to the northeast



Northeast on pad plume



Southeast on pad plume



Daily Site Visit Report

Viewing Direction: Southeast

Date & Time: Mon May 19 16:13:42 MDT 2025
Position: +032.11888° / -103.96899°
Altitude: 943m
Datum: WGS-84
Azimuth/Bearing: 164° S16E, 2916mils (True)
Zoom: 1X

A photograph showing an industrial facility, possibly a refinery or chemical plant, with various structures, pipes, and towers. The foreground is a flat, sandy or gravelly area. The sky is clear and blue.

Descriptive Photo - 9
Viewing Direction: East
Deco: KK
Created: 5/21/2025 7:38:22 AM
Lat:32.386727, Long:-104.237867

Northeast on pad area

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Field Notes

- 12:07** Completed safety paperwork and got work authorization upon arrival
- 12:07** Walked through the location with the 811 line locator to beware of all hazards
- 12:08** All boreholes are double checked with a secondary sweep before beginning
- 16:39** The first third boreholes were collected
- 16:39** Samples were field screened on site for chlorides

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: East



Descriptive Photo - 1
Viewing Direction: East
Desc: BH25-01 on the west side of the excavation. Hit refusal at 1'.
Created: 5/22/2025 12:09:15 PM
Lat:32.118510, Long:-103.969043

BH25-01 on the west side of the excavation.
Hit refusal at 1'

Viewing Direction: East



Descriptive Photo - 2
Viewing Direction: East
Desc: BH25-02 on the west side of the excavation. Hit refusal at 1'.
Created: 5/22/2025 1:06:01 PM
Lat:32.148709, Long:-103.968998

BH25-02 on the west side of the excavation.
Hit refusal at 1'

Viewing Direction: East



Descriptive Photo - 3
Viewing Direction: East
Desc: BH25-03 on the west of the off pad portion of the release. Hit refusal at 1'.
Created: 5/22/2025 1:27:31 PM
Lat:32.118906, Long:-103.969079

BH25-03 on the west of the off pad portion
of the release. Hit refusal at 1'

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

A handwritten signature in black ink, appearing to be 'KTaylor', written over a horizontal line.

Signature:

Signature



Daily Site Visit Report

Field Notes

- 9:08** Completed safety paperwork and received work authorization upon arrival
- 9:09** Continued taking horizontals taking a secondary sweep before each borehole
- 12:07** Collected boreholes 4-7
- 12:11** Updated the excavation outline with a geode
- 12:11** Began wrapping up just after noon under the instruction of Kent Retz
- 16:03** Samples were field screened at office

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: Southeast



Descriptive Photo - 1
Viewing Direction: Southeast
Desc: BH25-04 hit refusal at 1ft. North of the off pad area is the release
Created: 5/23/2025 9:10:18 AM
Lat:32.118915, Long:-103.964790

BH25-04 hit refusal at 1ft. North of the off pad area is the release

Viewing Direction: South



Descriptive Photo - 2
Viewing Direction: South
Desc: BH25-05 to 2'. North of the release in the northeast
Created: 5/23/2025 10:30:13 AM
Lat:32.118824, Long:-103.964488

BH25-05 to 2'. North of the release in the northeast.

Viewing Direction: West



Descriptive Photo - 3
Viewing Direction: West
Desc: BH25-06 to 2'. Eastern most extent of the excavatio
Created: 5/23/2025 11:25:59 AM
Lat:32.118902, Long:-103.968303

BH25-06 to 2'. Eastern most extent of the excavation

Viewing Direction: Northwest



Descriptive Photo - 4
Viewing Direction: Northwest
Desc: BH25-07 to 1'. Hit refusal at 1'
Created: 5/23/2025 12:08:32 PM
Lat:32.118746, Long:-103.968488

BH25-07 to 1'. Hit refusal at 1'

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Client:	<u>XTO Energy Inc. (US)</u>	Incident ID #:	<u>NAPP2513929022</u>
Site Location Name:	<u>Corral Canyon 15 CVB</u>	API #:	<u></u>
Inspection Date:	<u>5/27/2025</u>		<u></u>

Summary of Times

Arrived at Site	<u>5/27/2025 8:15 AM</u>
Departed Site	<u>5/27/2025 3:03 PM</u>

Daily Site Visit Report



Field Notes

9:52 Completed safety paperwork upon arrival and received work authorization

Next Steps & Recommendations

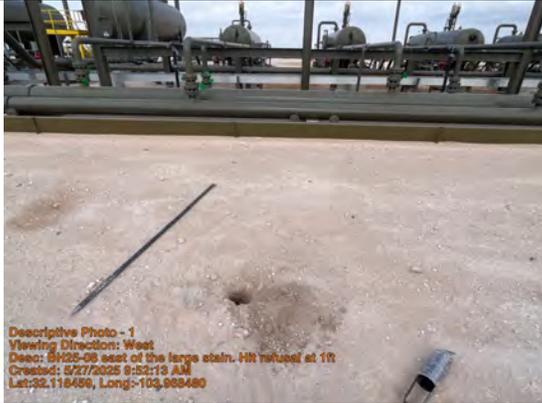
1



Daily Site Visit Report

Site Photos

Viewing Direction: West



Descriptive Photo - 1
Viewing Direction: West
Desc: BH25-08 east of the large stain. Hit refusal at 1ft
Created: 5/27/2025 9:52:13 AM
Lat:32.118456, Long:-103.988480

BH25-08 east of the large stain. Hit refusal at 1ft

Viewing Direction: Northeast



Descriptive Photo - 2
Viewing Direction: Northeast
Desc: BH25-09 down to 2'. South of release
Created: 5/27/2025 10:25:17 AM
Lat:32.118498, Long:-103.988814

BH25-09 down to 2'. South of release

Viewing Direction: South



Descriptive Photo - 3
Viewing Direction: South
Desc: BH25-10 down to 2'. In the center of the gap in the southwestern area of the release
Created: 5/27/2025 11:15:52 AM
Lat:32.118996, Long:-103.988817

BH25-10 down to 2'. In the center of the gap in the southwestern area of the release

Viewing Direction: West



Descriptive Photo - 4
Viewing Direction: West
Desc: BH25-10 down to 2'. In the center of the gap in the southwestern area of the release
Created: 5/27/2025 11:36:37 AM
Lat:32.118996, Long:-103.988819

BH25-10 down to 2'. In the center of the gap in the southwestern area of the release



Daily Site Visit Report

Viewing Direction: Southeast



Descriptive Photo - 8
Viewing Direction: Southeast
Desc: BH25-11 down to two feet.
Created: 5/27/2025 12:06:41 PM
Lat:29.116888, Long:-103.968789

BH25-11 down to two feet.

Viewing Direction: South



Descriptive Photo - 9
Viewing Direction: South
Desc: SS25-01 and SS25-02
Created: 5/27/2025 3:04:02 PM
Lat:29.118755, Long:-103.968683

SS25-01 and SS25-02

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature

Daily Site Visit Report



Field Notes

10:22 Completed safety paperwork and received work authorization upon arrival

17:44 Collected the three vertical samples and surface samples

Next Steps & Recommendations

- 1 Send samples to lab and document the information



Daily Site Visit Report

Site Photos

Viewing Direction: South



Descriptive Photo - 1
Viewing Direction: South
Date: BH25-12 a vertical borehole in the west central area of the excavation
Created: 5/29/2025 10:33:28 AM
Lat:32.318982, Long:-103.968771

BH25-12 a vertical borehole in the west central area of the excavation

Viewing Direction: West



Descriptive Photo - 2
Viewing Direction: West
Date: BH25-13 a vertical borehole in the west central area of the excavation. Hit refusal at 1'
Created: 5/29/2025 11:11:06 AM
Lat:32.318948, Long:-103.968920

BH25-13 a vertical borehole in the west central area of the excavation. Hit refusal at 1'

Viewing Direction: West



Descriptive Photo - 3
Viewing Direction: West
Date: BH25-14 a vertical in the northern most stretch of the excavation
Created: 5/29/2025 12:28:01 PM
Lat:32.319326, Long:-103.968882

BH25-14, a vertical in the northern most stretch of the excavation. Hit refusal at 1.5ft

Viewing Direction: East



Descriptive Photo - 4
Viewing Direction: East
Date: SS25-03 in the northwest area of the release near BH25-01
Created: 5/29/2025 1:03:07 PM
Lat:32.318907, Long:-103.968643

SS25-03 in the northwest area of the release near BH25-03



Daily Site Visit Report

Viewing Direction: West



Description Photo - 4
Viewing Direction: West
Date: 5/29/2025 1:08:07 PM
Created: 5/29/2025 1:08:07 PM
Lat:32.116923, Long:-103.962346

SS25-04 in the northern area of the release near BH25-04

Viewing Direction: West



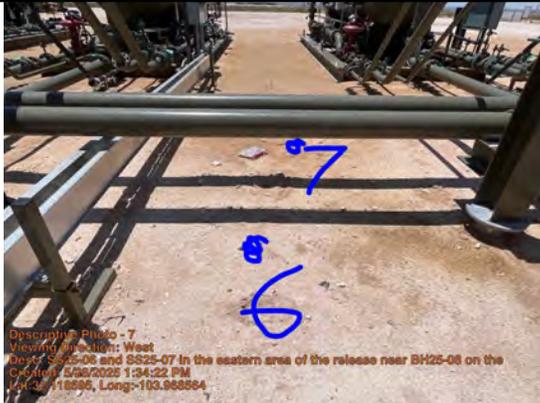
Description Photo - 6
Viewing Direction: West
Date: 5/29/2025 1:10:07 PM
Created: 5/29/2025 1:10:07 PM
Lat:32.116923, Long:-103.962346

SS25-05 in the northwestern area of the release near BH25-06



Daily Site Visit Report

Viewing Direction: West



Descriptive Photo - 7
Viewing Direction: West
Date: SS25-06 and SS25-07 in the eastern area of the release near BH25-08 on the
Created: 5/29/2025 1:34:22 PM
Lat:32.118595, Long:-103.968864

SS25-06 and SS25-07 in the eastern area of the release near BH25-08 on the other side of the majority of the lines. This photograph was taken around noon indicating the shadows from the pipe are directly below the pipe. The release area ends slightly west of the first pipe

Viewing Direction: Northeast



Descriptive Photo - 8
Viewing Direction: Northeast
Date: SS25-08 in the northwestern area of the release near BH25-09
Created: 5/29/2025 1:46:47 PM
Lat:32.118485, Long:-103.968773

SS25-08 in the southern area of the release near BH25-09



Daily Site Visit Report

Viewing Direction: North



Descriptive Photo - 9
Viewing Direction: North
Desc: SS25-09 in the western area of the release near BH25-10
Created: 5/29/2025 1:48:07 PM
Lat:32.118613, Long:-103.968802

SS25-09 in the western area of the release near BH25-10

Viewing Direction: Southeast



Descriptive Photo - 10
Viewing Direction: Southeast
Desc: SS25-10 in the central area of the release near BH25-11
Created: 5/29/2025 2:16:00 PM
Lat:32.118710, Long:-103.968798

SS25-10 in the central area of the release near BH25-11

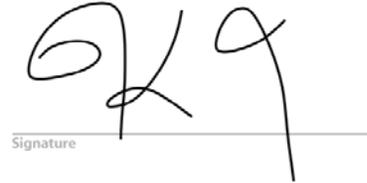
Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Field Notes

- 11:57** Completed safety meeting and received work authorization upon arrival
- 12:17** Continued excavation in the center of the excavation
- 12:02** Collected base samples 8, 9, 12-20
- 14:36** Took confirmation samples after the sampling notification opened
- 16:30** Excavated the southern area
- 16:38** 9 loads were trucked out

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: South



Descriptive Photo:
Viewing Direction: South
Date: Base samples 7 and 8
Created: 6/19/2025 2:07:37 PM
Lat: 32.118877, Long: -103.988719

Base samples 7 and 8

Viewing Direction: South



Descriptive Photo:
Viewing Direction: South
Date: Base samples 12, 13, and 14
Created: 6/19/2025 2:38:07 PM
Lat: 32.118710, Long: -103.988719

Base samples 12, 13, and 14

Viewing Direction: West



Descriptive Photo:
Viewing Direction: West
Date: Base samples 15 and 16
Created: 6/19/2025 2:14:10 PM
Lat: 32.118877, Long: -103.988719

Base sample 15 and 16

Viewing Direction: West

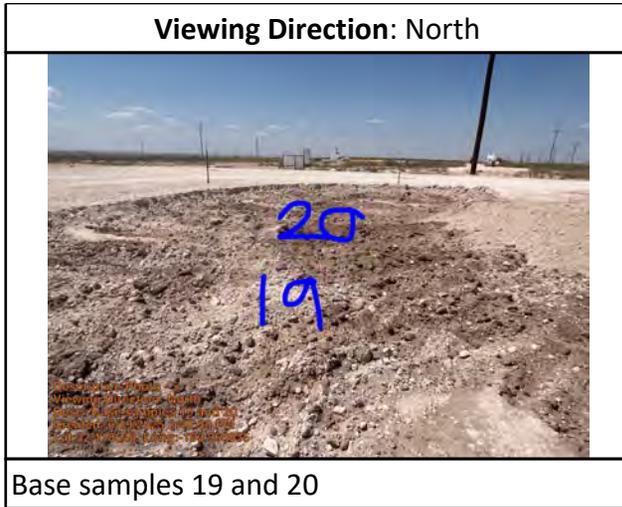


Descriptive Photo:
Viewing Direction: West
Date: Base samples 17 and 18
Created: 6/19/2025 2:24:24 PM
Lat: 32.118817, Long: -103.988719

Base samples 17 and 18



Daily Site Visit Report



Base samples 19 and 20



The southern area excavated



Southern area excavated



Southeast area excavated



Daily Site Visit Report



Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Client:	<u>XTO Energy Inc. (US)</u>	Incident ID #:	<u>NAPP2513929022</u>
Site Location Name:	<u>Corral Canyon 15 CVB</u>	API #:	<u></u>
Inspection Date:	<u>6/20/2025</u>		<u></u>

Summary of Times

Arrived at Site	<u>6/20/2025 7:10 AM</u>
Departed Site	<u>6/20/2025 3:37 PM</u>

Daily Site Visit Report



Field Notes

9:05 Completed safety paperwork and received work authorization upon arrival

9:08 Marked out the area for immediate backfill

15:30 Samples 4, 6, 7, 10, 11, and 27 were collected as well as a backfill sample

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: North



Sampled base samples 6 and 7

Viewing Direction: North



Base samples 10 and 11

Viewing Direction: East



Base sample 27

Viewing Direction: Northeast



Base sample 4



Daily Site Visit Report

Viewing Direction: North



Descriptive Photo - 7
Viewing Direction: North
Desc: Some of the northern most strip was excavated to 2 ft
Created: 6/20/2025 3:31:08 PM
Lat:32.116876, Long:-103.968895

Some of the northern most strip was excavated to 2 ft and fenced off at the end of day.

Viewing Direction: Northwest



Descriptive Photo - 8
Viewing Direction: Northwest
Desc: Caliche piled sampled
Created: 6/20/2025 3:32:34 PM
Lat:32.118715, Long:-103.967885

Caliche piled sampled

Viewing Direction: Northeast



Descriptive Photo - 7
Viewing Direction: Northeast
Desc: Center of the excavation excavated
Created: 6/20/2025 3:34:01 PM
Lat:32.118835, Long:-103.968497

Center of the excavation excavated

Viewing Direction: Northwest



Descriptive Photo - 8
Viewing Direction: Northwest
Desc: Center of the excavation excavated and closed off at the end of day
Created: 6/20/2025 3:34:49 PM
Lat:32.118813, Long:-103.968814

Center of the excavation excavated and closed off at the end of day

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Field Notes

- 9:53** Completed a safety meeting and safety paperwork
- 9:59** Met with Chad and Kent to discuss how the site is progressing in the morning
- 9:59** Continued excavation of the original release area
- 10:12** Collected base samples 21-26
- 14:50** Identified a lightning strike within 10miles and stopped work for 30 minutes
- 15:16** Work stopped for day due to lightning

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: North



Descriptive Photo - 1
Viewing Direction: North
Date: BS25-21
Created: 6/23/2025 10:13:37 AM
Lat:32.119485, Long:-103.988744

BS25-21 at 1ft

Viewing Direction: Northwest



Descriptive Photo - 2
Viewing Direction: Northwest
Date: BS25-22 and BS25-23 at 1ft
Created: 6/23/2025 10:14:12 AM
Lat:32.118503, Long:-103.988504

BS25-22 and BS25-23 at 1ft

Viewing Direction: Northwest



Descriptive Photo - 3
Viewing Direction: Northwest
Date: BS25-24 and BS25-25 at 1ft
Created: 6/23/2025 10:14:57 AM
Lat:32.119485, Long:-103.988504

BS25-24 and BS25-25 at 1ft

Viewing Direction: Northwest



Descriptive Photo - 4
Viewing Direction: Northwest
Date: BS25-26 at 1ft
Created: 6/23/2025 10:15:38 AM
Lat:32.118510, Long:-103.988504

BS25-26 at 1ft



Daily Site Visit Report

Viewing Direction: Northeast



Descriptive Photo - 5
Viewing Direction: North
Desc: Sampled area just off pad to the north at 2ft and determined it needed additional remediation
Created: 6/23/2025 12:23:55 PM
Lat:32.118906, Long:-103.968847

Sampled area just off pad to the north at 2ft and determined it needed additional remediation

Viewing Direction: East



Descriptive Photo - 6
Viewing Direction: East
Desc: Area with base samples 4, 6, 7, 10, and 11 largely backfilled to create a passable section before excavating samples 1-3 and 5.
Created: 6/23/2025 2:53:28 PM
Lat:32.118905, Long:-103.968776

Area with base samples 4, 6, 7, 10, and 11 largely backfilled to create a passable section before excavating samples 1-3 and 5.

Viewing Direction: Southeast



Descriptive Photo - 7
Viewing Direction: Southwest
Desc: Backhoe parked in an area to help reduce liability if excavation cannot continue due to weather
Created: 6/23/2025 2:54:02 PM
Lat:32.118911, Long:-103.968772

Backhoe parked in an area to help reduce liability if excavation cannot continue due to weather

Viewing Direction: Southwest



Descriptive Photo - 8
Viewing Direction: Southwest
Desc: Remainder of excavation is fenced off
Created: 6/23/2025 2:54:38 PM
Lat:32.118917, Long:-103.968767

Remainder of excavation is fenced off



Daily Site Visit Report

Viewing Direction: Southwest



Descriptive Photo - 3
Viewing Direction: Southwest
Desc: Excavator blocking excavation off
Created: 6/23/2025 3:18:37 PM
Lat:32.118811, Long:-103.968703

Excavator blocking excavation off

Viewing Direction: North



Descriptive Photo - 4
Viewing Direction: North
Desc: Cones used to close off the off pad area to avoid interacting with metal w/ lightning near
Created: 6/23/2025 3:21:36 PM
Lat:32.118811, Long:-103.968703

Cones used to close off the off pad area to avoid interacting with metal with lightning near

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Field Notes

- 16:02** Completed safety paperwork and received work authorization upon arrival
- 16:03** Did a trench sample in the off pad section to determine how deep the contamination goes
- 16:06** Completed excavation of the initial area on pad
- 16:06** Collected wall samples 1-3
- 16:06** Attempted to collect a borehole in the deferral area and hit refusal before collecting a clean sample

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: East



Descriptive Photo - 1
Viewing Direction: East
Date: 6/25/2025 Hit refusal at 9 inches down. Located in between the separators
Created: 6/24/2025 4:11:24 PM
Lat: 32.118530, Long: -103.978965

BH25-15. Hit refusal at 9 inches down. Located in between the separators

Viewing Direction: Northwest



Descriptive Photo - 2
Viewing Direction: Northwest
Date: 6/25/2025
Created: 6/24/2025 4:16:35 PM
Lat: 32.118519, Long: -103.985929

WS25-01 0-1

Viewing Direction: East



Descriptive Photo - 3
Viewing Direction: East
Date: 6/25/2025
Created: 6/24/2025 4:18:09 PM
Lat: 32.118514, Long: -103.98947

WS25-02 0-1

Viewing Direction: Southeast



Descriptive Photo - 4
Viewing Direction: Southeast
Date: 6/25/2025
Created: 6/24/2025 4:20:04 PM
Lat: 32.118504, Long: -103.989277

WS25-03 0-1



Daily Site Visit Report

Viewing Direction: North



Descriptive Photo - 6
Viewing Direction: North
Desc: Trench done near BS25-28 to determine how deep the contamination goes. Area was not entered by people. Material was field screened ~1/ft
Created: 6/24/2025 4:32:37 PM
Lat:32.116024, Long: -103.066807

Trench done near BS25-28 to determine how deep the contamination goes. Area was not entered by people. Material was field screened ~1/ft

Viewing Direction: East



Descriptive Photo - 8
Viewing Direction: East
Desc: Base samples 1, 2, 3, 4, 5 were excavated on pad
Created: 6/24/2025 4:32:37 PM
Lat:32.116024, Long: -103.066807

Base samples 1,2,4,5 were excavated on pad

Viewing Direction: East



Descriptive Photo - 7
Viewing Direction: East
Desc: Base samples 4, 6, 7, 10, and 11 were backfilled to keep the pad navigable
Created: 6/24/2025 4:34:34 PM
Lat:32.116024, Long: -103.066727

Base samples 4, 6, 7, 10, and 11 were backfilled to keep the pad navigable

Viewing Direction: Northeast



Descriptive Photo - 8
Viewing Direction: Northeast
Desc: Area fenced off at end of day
Created: 6/24/2025 4:34:34 PM
Lat:32.116024, Long: -103.066727

Area fenced off at end of day



Daily Site Visit Report

Viewing Direction: Southeast



Descriptive Photo - 8
Viewing Direction: Southeast
Event: Area fenced off at end of day
Created: 12/31/2025 4:32:37 PM
Lat: 32.198816, Long: -103.405264

Area fenced off at end of day

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:


Signature



Daily Site Visit Report

Field Notes

10:03 Had a safety meeting, completed safety paperwork work, and received work authorization upon arrival

10:03 Continued excavation in the off pad area

10:04 Work was stopped around 9:45 to allow the rain to pass

10:46 Minimal work was able to be completed during lower sections of rain. Ultimately the excavation areas were flooded and work was discontinued

10:57 Some progress was made on the off pad section before having to end for weather.

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: West



*Descriptive Photo - 1
Viewing Direction: West
Note: Base samples 1, 2, 3, and 5 could not be collected due to flooding.
Created: 6/25/2025 11:14:57 AM
Lat:32.118834, Long:-103.968823*

Base samples 1, 2, 3, and 5 could not be collected due to flooding .

Viewing Direction: Northwest



*Descriptive Photo - 2
Viewing Direction: Northwest
Note: Excavation in the area of base sample 28 could not be continued due to flooding and active recharge.
Created: 6/25/2025 11:14:56 AM
Lat:32.118834, Long:-103.968823*

Excavation in the area of base sample 28 could not be continued due to flooding and active recharge

Viewing Direction: Northeast



*Descriptive Photo - 3
Viewing Direction: Northeast
Note: Excavation fenced off at end of day
Created: 6/25/2025 11:14:57 AM
Lat:32.118834, Long:-103.968823*

Excavation fenced off at end of day

Viewing Direction: Southeast



*Descriptive Photo - 4
Viewing Direction: Southeast
Note: Excavation fenced off at end of day
Created: 6/25/2025 11:14:56 AM
Lat:32.118834, Long:-103.968823*

Excavation fenced off at end of day

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:

A handwritten signature in black ink, appearing to be 'KT', written over a horizontal line. The word 'Signature' is printed in small text below the line.

Daily Site Visit Report



Field Notes

9:46 Completed safety paperwork and had a safety meeting upon arrival.

9:47 Excavation base sample 28 to 5 ft and field screened

13:37 Collected base samples 1, 2, 3, and 5

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: East



Descriptive Photo - 1
Viewing Direction: East
Dist: Base samples 1 and 2 at 1ft in the eastern most area of the excavation
Created: 6/25/2025 1:40:40 PM
Lat: 37.18997, Long: -103.88688

Base samples 1 and 2 at 1ft in the eastern most area of the excavation

Viewing Direction: East



Descriptive Photo - 2
Viewing Direction: East
Dist: Base samples 3 and 5, west of 1 and 2
Created: 6/25/2025 1:43:16 PM
Lat: 37.18996, Long: -103.88688

Base samples 3 and 5, west of 1 and 2

Viewing Direction: Northwest



Descriptive Photo - 3
Viewing Direction: Northwest
Dist: Base sample 28 excavated to 5ft
Created: 6/25/2025 1:44:37 PM
Lat: 37.18996, Long: -103.88688

Base sample 28 excavated to 5ft, sloping begins at 1ft per Exxon Mobil policy

Viewing Direction: East

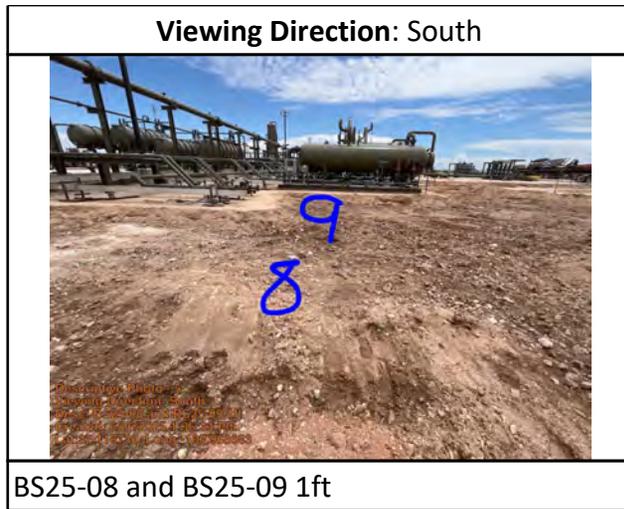


Descriptive Photo - 4
Viewing Direction: East
Dist: Base sample 27 at 1ft
Created: 6/25/2025 1:44:57 PM
Lat: 37.18974, Long: -103.88688

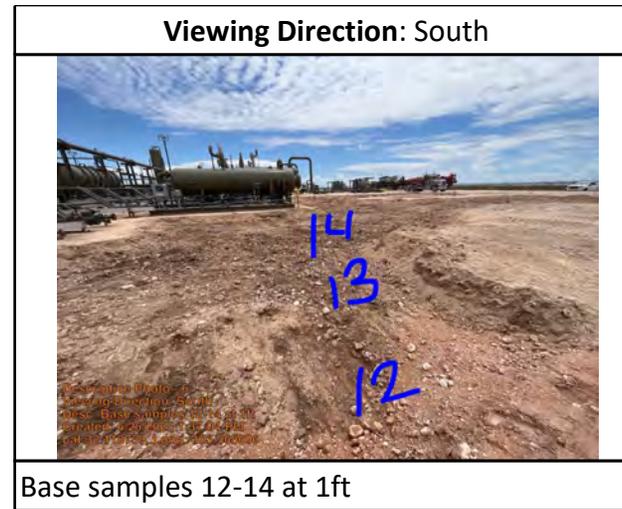
Base sample 27 at 1ft



Daily Site Visit Report



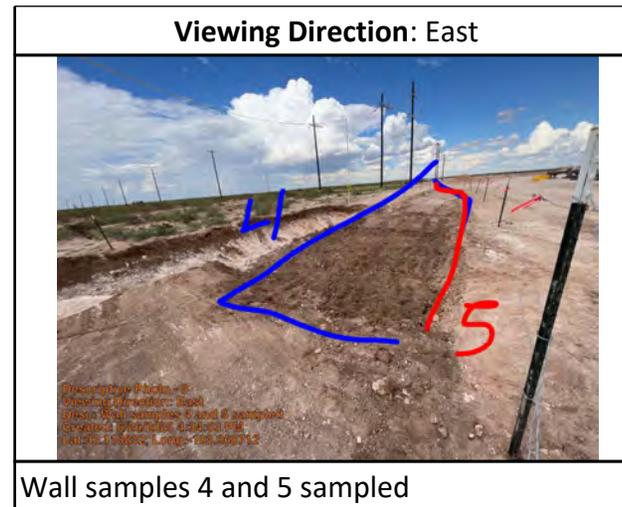
BS25-08 and BS25-09 1ft



Base samples 12-14 at 1ft



Off pad excavation continued to uncover base sample 28



Wall samples 4 and 5 sampled



Daily Site Visit Report

Viewing Direction: East

Basic photo taken with
Camera: iPhone 15 Pro
Basic: Excavation closed off at end of day
Created: 2/27/2026 4:07:12 PM
Lat: 31.155106 Long: -103.808804

Excavation closed off at end of day

The photograph shows a dirt road or path leading to an excavation site. A red traffic cone is placed on the dirt. In the background, there are utility poles and a structure under construction. The sky is blue with scattered white clouds.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:

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

Daily Site Visit Report



Field Notes

- 10:25** Completed safety paperwork upon arrival and received work authorization
- 10:25** Confirmed the map is correct and began collecting the remaining samples
- 12:56** Collected wall samples 5 through 12 and base samples 30 and 31
- 13:05** Site wide photographs included
- 14:15** Went to twin wells ranch pit to collect a backfill sample

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

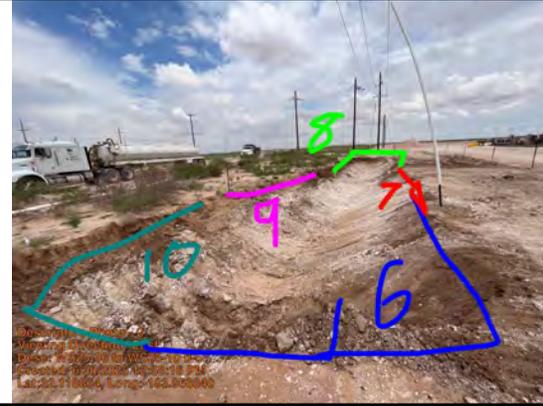
Viewing Direction: Northeast



Descriptive Photo - 1
Viewing Direction: Northeast
Date: WS25-05 0-1
Created: 8/30/2025 12:47:21 PM
Lat:32.718818, Long:-103.888712

WS25-05 0-1

Viewing Direction: East



Descriptive Photo - 2
Viewing Direction: East
Date: WS25-06 to WS25-10 0-5
Created: 8/30/2025 12:58:18 PM
Lat:32.718818, Long:-103.888840

WS25-06 to WS25-10 0-5

Viewing Direction: West



Descriptive Photo - 3
Viewing Direction: West
Date: WS25-11 and WS25-12 0-2
Created: 8/30/2025 1:02:13 PM
Lat:32.718818, Long:-103.888840

WS25-11 and WS25-12 0-2

Viewing Direction: West



Descriptive Photo - 4
Viewing Direction: West
Date: BS25-30 at 2'
Created: 8/30/2025 1:03:14 PM
Lat:32.718818, Long:-103.888840

BS25-30 at 2'



Daily Site Visit Report

Viewing Direction: East

Descriptive Photo - 5
Viewing Direction: East
Desc: BS25-31 at .25' A
Created: 8/30/2025 1:04:49 PM
Lat:32.118504, Long:-103.989004

BS25-31 at .25'. In between the separator and lines (the deferral area)

Viewing Direction: South

Descriptive Photo - 6
Viewing Direction: South
Desc: Southern area of the excavation at 1ft
Created: 8/30/2025 1:06:48 PM
Lat:32.118536, Long:-103.989722

Southern area of the excavation at 1ft

Viewing Direction: North

Descriptive Photo - 7
Viewing Direction: North
Desc: Deferral area lines
Created: 8/30/2025 1:07:23 PM
Lat:32.118536, Long:-103.988637

Deferral area lines

Viewing Direction: Northwest

Descriptive Photo - 8
Viewing Direction: Northwest
Desc: Central area of the excavation at 1ft
Created: 8/30/2025 1:08:46 PM
Lat:32.118579, Long:-104.000527

Central area of the excavation at 1ft



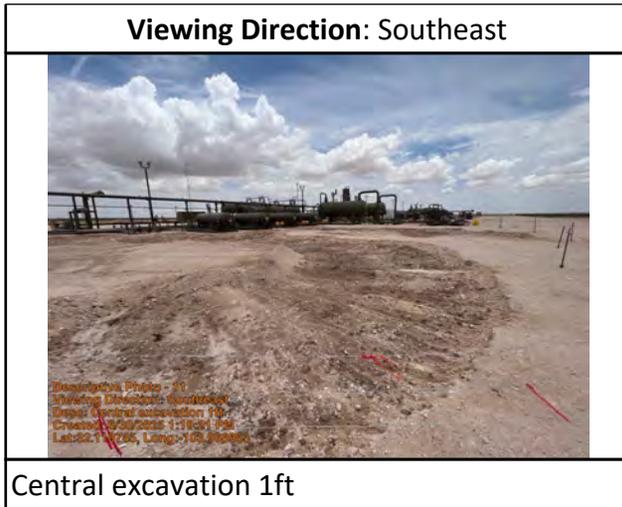
Daily Site Visit Report



Central area of the excavation



Central area of the excavation



Central excavation 1ft



1ft excavation north of backfilled road area



Daily Site Visit Report

Viewing Direction: North

Descriptive Photo - 18
Viewing Direction: North
Depth: 5ft excavation
Created: 6/30/2025 1:11:47 PM
Lat:32.116796, Long:-103.869797

5ft excavation

Viewing Direction: Southeast

Descriptive Photo - 19
Viewing Direction: Southeast
Depth: Topsoil collected from twin wells pit
Created: 6/30/2025 2:25:00 PM
Lat:32.206500, Long:-103.761468

Topsoil collected from twin wells pit

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:

A handwritten signature in black ink, appearing to be 'KT', written over a horizontal line. The word 'Signature' is printed in small text below the line.

Daily Site Visit Report



Field Notes

- 11:40** confirmation samples were collected
- 11:40** Field screening was completed
- 11:41** Samples were jarred and labeled
- 11:41** Samples were jarred and labeled
- 11:42** Coc's were created

Next Steps & Recommendations

- 1** Deliver samples to lab
- 2** Reporting and maps
- 3** Finalize tables



Daily Site Visit Report

Site Photos

Viewing Direction: East



Descriptive Photo - 1
Viewing Direction: East
Desc: BS25-32 @ 0.25'
BH25-33 @ 0.25'
Created: 7/11/2025 11:53:02 AM
Lat:32.118483, Long:-103.88711

BS25-32 @ 0.25'
BS25-33 @ 0.25'

Viewing Direction: East



Descriptive Photo - 2
Viewing Direction: East
Desc: BS25-31 @ 0.25'
BH25-34 @ 0.25'
Created: 7/11/2025 11:58:11 AM
Lat:32.118554, Long:-103.88721

BS25-31 @ 0.25'
BS25-34 @ 0.25'

Viewing Direction: East



Descriptive Photo - 3
Viewing Direction: East
Desc: BS25-35 @ 0.25'
BH25-36 @ 0.25'
Created: 7/11/2025 12:01:43 PM
Lat:32.118603, Long:-103.88702

BS25-35 @ 0.25'
BS25-36 @ 0.25'

Viewing Direction: East



Descriptive Photo - 4
Viewing Direction: East
Desc: BS25-37 @ 0.25'
BH25-38 @ 0.25'
Created: 7/11/2025 12:05:14 PM
Lat:32.118651, Long:-103.88702

BS25-37 @ 0.25'
BS25-38 @ 0.25'



Daily Site Visit Report

Viewing Direction: Southeast



Descriptive Photo
Viewing Direction: Southeast
Date: 2025-12-01
Created: 7/11/2025 12:18:08 PM
Lat: 33.118894, Long: -112.249208

BS25-13 @ 1'

Viewing Direction: South



Descriptive Photo
Viewing Direction: South
Date: 2025-07-08
Created: 7/11/2025 12:18:08 PM
Lat: 33.118894, Long: -112.249208

WS25-07 @ 0-5'

Viewing Direction: West



Descriptive Photo
Viewing Direction: West
Date: 2025-07-08
Created: 7/11/2025 12:18:08 PM
Lat: 33.118894, Long: -112.249208

BS25-30

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Riley Arnold

Signature:


Signature



Daily Site Visit Report

Site Photos

Viewing Direction: West



BS25-01 @ 1'
5 point composite sample

Viewing Direction: East



BS25-02 @ 1'
5 point composite sample

Viewing Direction: North



BS25-03 @ 1'
5 point composite sample

Viewing Direction: Northwest



BS25-05 @ 1'
5 point composite sample



Daily Site Visit Report

Viewing Direction: East



Descriptive Photo - 8
 Viewing Direction: North
 Desc: BS25-08 @ 1'
 Created: 11/19/2025 1:00:16 PM
 Lat: 32.118721, Long: -103.809925

BS25-08 @ 1'
5 point composite sample

Viewing Direction: South



Descriptive Photo - 9
 Viewing Direction: North
 Desc: BS25-09 @ 1'
 Created: 11/19/2025 1:00:21 PM
 Lat: 32.118880, Long: -103.809925

BS25-09 @ 1'
5 point composite sample

Viewing Direction: Northwest



Descriptive Photo - 7
 Viewing Direction: Northwest
 Desc: BS25-12 @ 1'
 Created: 11/19/2025 1:01:16 PM
 Lat: 32.118880, Long: -103.809925

BS25-12 @ 1'
5 point composite sample

Viewing Direction: South



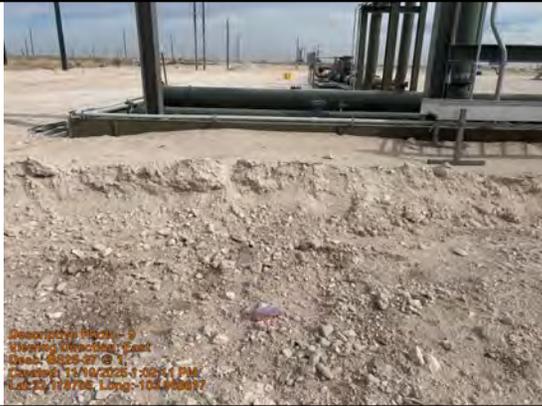
Descriptive Photo - 8
 Viewing Direction: North
 Desc: BS25-14 @ 1'
 Created: 11/19/2025 1:01:16 PM
 Lat: 32.118880, Long: -103.809925

BS25-14 @ 1'
5 point composite sample



Daily Site Visit Report

Viewing Direction: East



Descriptive Photo - 9
Viewing Direction: East
Date: 8/25/27 @ 1
Created: 11/19/2025 1:05:41 PM
Lat:32.118786, Long:-103.98817

BS25-27 @ 1'
5 point composite sample

Viewing Direction: West



Descriptive Photo - 10
Viewing Direction: West
Date: 8/25/27 @ 2
Created: 11/19/2025 1:18:30 PM
Lat:32.118881, Long:-103.98828

BS25-28 @ 5'
5 point composite sample

Viewing Direction: North



Descriptive Photo - 11
Viewing Direction: North
Date: 8/25/27 @ 3
Created: 11/19/2025 1:27:36 PM
Lat:32.118344, Long:-103.988799

BS25-29 @ 5'
5 point composite sample

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Riley Arnold

Signature:

A handwritten signature in black ink, appearing to be 'RA', written over a horizontal line.

Signature



Daily Site Visit Report

Site Photos

Viewing Direction: West



BS25-05 @ 1'
5 point confirmation sample

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Riley Arnold

Signature:


Signature

Location:	Corral Canyon FED 001H	
Spill Date:	9/22/2025	
Incident #:	nAPP2526632539	
Area 1		
Approximate Area =	884	sq. ft.
Average Saturation (or depth) of spill =	6	inches
Average Porosity Factor =	0.1	
VOLUME OF LEAK		
Total Crude Oil =	5.55	bbls
Total Produced Water =	8.32	bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	5.55	bbls
Total Produced Water =	8.32	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	2.4	bbls
Total Produced Water =	3.6	bbls

From: [Chad Hensley](#)
To: [Wells, Shelly, EMNRD](#)
Subject: [EXTERNAL] RE: nAPP2513929022 CORRAL CANYON 15 CVB
Date: Thursday, February 5, 2026 3:12:17 PM

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

I had them retake the confirmation sample again. It made no sense to me that out of the blue it jumped to 768 from 160. I had him retake it and that sample is more in sync with the first sample. I can the second sample a misfire or crossed contaminated with something.

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, February 5, 2026 3:02 PM
To: Chad Hensley <CHensley@vertexresource.com>
Subject: nAPP2513929022 CORRAL CANYON 15 CVB

Caution: This email is from an external sender. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Hi Chad,

I am reviewing the deferral request submitted by XTO for nAPP2513929022 CORRAL CANYON 15 CVB. It says samples were recollected on November 19, 2025 and December 5, 2025. I see that BS 25-05 was over closure criteria when collected on November 19, 2025. Did remediation occur at this area prior to sample recollection on December 5, 2025? I look forward to hearing back from you when you have the time.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 538964

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513929022
Incident Name	NAPP2513929022 CORRAL CANYON 15 CVB @ G-22-25S-29E 200N 0E
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	CORRAL CANYON 15 CVB
Date Release Discovered	05/17/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Coupling Produced Water Released: 31 BBL Recovered: 0 BBL Lost: 31 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 538964

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	fluids soaked into the ground before they could be recovered

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: 12/31/2025
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 538964

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	41200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2591
GRO+DRO (EPA SW-846 Method 8015M)	2160
BTEX (EPA SW-846 Method 8021B or 8260B)	0
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	06/16/2025
On what date will (or did) the final sampling or liner inspection occur	11/19/2025
On what date will (or was) the remediation complete(d)	10/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	3307
What is the estimated volume (in cubic yards) that will be reclaimed	245
What is the estimated surface area (in square feet) that will be remediated	18888
What is the estimated volume (in cubic yards) that will be remediated	1400

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 538964

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	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: 12/31/2025
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 538964

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Supporting equipment for production; Separators, buried electrical lines, and flow lines.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1164
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	86
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2403725789 CORRAL CANYON 15 CVB
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 12/31/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 538964

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	531328
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/05/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 538964

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 538964
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved with the following condition: the area of BS 25-05 will require additional sampling after plugging and abandonment or a major facility deconstruction to prove no contamination remains in this area prior to closure and reclamation being approved.	2/6/2026
scwells	Deferral of BS25-31 through BS25-38 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	2/6/2026