Incident Number: NAPP2513433622

Closure Report

Maverick Compressor Station

20, 25 South, 31 East
32.11168, -103.80475
API/Facility ID: fAPP2127230680
County: Eddy, New Mexico
Vertex File Number: 25A-02656

Prepared for:
ExxonMobil Upstream Company

Prepared by:
Vertex Resource Services Inc.

Date:
July, 2025

Closure Report
Maverick Compressor Station
20, 25 South, 31 East
32.11168 -103.80475
API/Facility ID: fAPP2127230680
County: Eddy, New Mexico

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

Bureau of Land Management
508 West Texas Avenue
Artesia, New Mexico, 88210

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

Signature for Riley Arnold

Riley Arnold , B.Sc.
FIELD TECHNICIAN, REPORTING

Signature for Chad Hensley

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

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Table of Appendices

1.0 Introduction

ExxonMobil Upstream Company (ExxonMobil) retained Vertex Resource Services Inc. (Vertex) to conduct a Closure Report for a lube oil release that occurred on May 14, 2025, at Maverick Compressor Station API fAPP2127230680 (hereafter referred to as the "site"). ExxonMobil submitted an initial C-141 Release Notification to New Mexico Oil Conservation Division (NMOCD) on 5/14/2025. Incident ID number NAPP2513433622 was assigned to this incident.

This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of this release, with the understanding that restoration of the release site will be deferred until 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 12, 2025, due to equipment failure at a compressor resulting in lube oil spilling off both sides of the concrete pad that the compressor is stationed on. The incident was reported on May 14, 2025 and involved the release of approximately 7 barrels (bbl.) of lube oil. Approximately 1 bbl. of free fluid was removed during initial clean-up. Additional details relevant to the release are presented in the initial C-141 Report.

3.0 Site Characteristics

Site Direction	32 miles Northwest of Carlsbad, New Mexico
Section #, Township, Range	20, 25 South and 31 East
Site Location	Rural, Eddy New Mexico
Release Area	on pad
Site Surface Geology	Qa
Predominant Soil Texture	Fine sand, fine sandy loam, loamy fine sand
Site Current Use	Production
Surrounding Landscape	Playa, water
Elevation	2,800 to 5,000 feet
Climate	8 to 13 inches of precipitation with 221 days frost free
Vegetation	Grass / Forb / Shrub
Soil Type	Loamy sand
Drainage Class	Well drained
Runoff Class	Very high
Karst Geology	Medium

An aerial photograph and site schematic are presented in Figures.

4.0 Closure Criteria Determination

Table 1. Closure Criteria Determination	
Site Specific Conditions	**Value**
Site Name: Maverick Compressor Station	
Spill Coordinates: 32.11168, -103.80475	
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
A continuously flowing watercourse or any other significant watercourse	Greater than 5 miles
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 miles
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 mile
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 miles
Any other fresh water well or spring	Greater than 5 miles
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 miles
A wetland	Between 1000 and 1/2 Mile
A subsurface mine	Greater than 5 miles
An (non-karst) unstable area	Greater than 5 miles
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 miles
Did the release impact areas not on an exploration, development, production, or storage site	No
Requesting a remediation plan approval with this submission	Yes

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

Table 2. Closure Criteria for Soils Impacted by a Release		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	**Constituent**	**Limit**
51 feet - 100 feet	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

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. The impacted area was determined to be on pad; the total affected area is 1,924 square feet. Laboratory results are presented in Table 3 Appendix B, and the laboratory data reports are included in Appendix D. The Daily Field Report (DFR) associated with the site inspection is included in Appendix E.

Remediation efforts began on June 16, 2025, and were finalized on June 23, 2025. Vertex personnel guided the excavation of impacted soils. Impacted soil removed was transported by a licensed waste hauler and disposed of at an approved waste management facility as stipulated by the Form C-138 Request for Approval to Accept Solid Waste. DFRs documenting various phases of the remediation are presented in Appendix E.

Notification that confirmatory samples were being collected on June 19, 2025, was provided to the NMOCD. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 20 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 Appendix B, and the laboratory data reports are included in Appendix D. All confirmatory samples collected and analyzed were below closure criteria for the site.

6.0 Closure Request

The release area was fully delineated, remediated, and backfilled with local soils by June 23, 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 release location with groundwater criteria set at 51 - 100 feet bgs.

Based on these findings, ExxonMobil Upstream Company requests that this release be closed.

Should you have any questions or concerns, please do not hesitate to contact Chad Hensley at 575.200.6167 or chensley@vertexresource.com.

7.0 References

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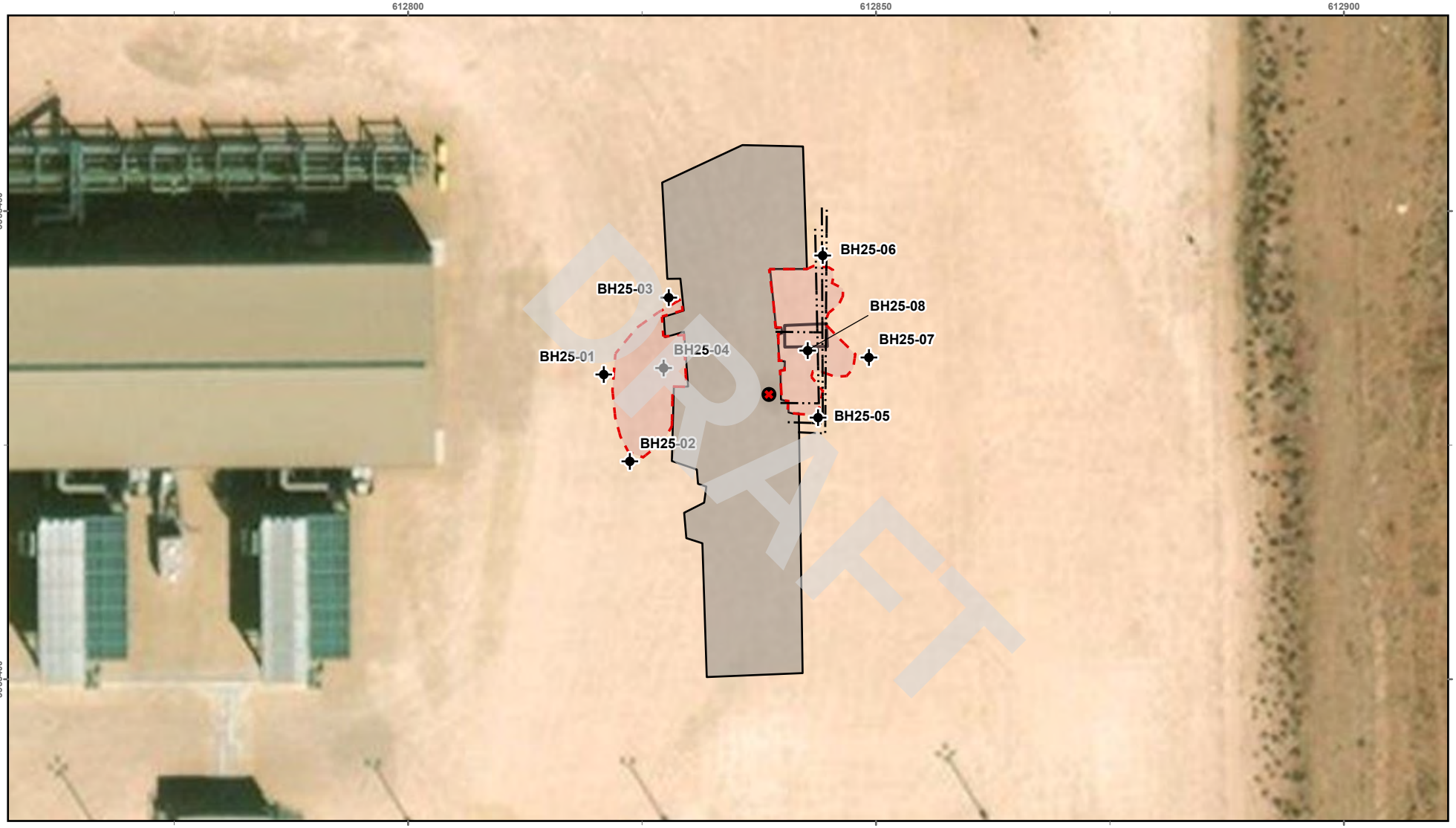
8.0 Limitations

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

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

APPENDIX A: Figures



Borehole
Release Source
Pipeline (Underground)
Concrete Pad
Moveable Equipment
Total Release Area (~1,924 sq. ft.)

VERTEX

0 30 60 ft.

NAD 1983 UTM Zone 13N
Date: Jun 30/25

Map Center:
Lat: 32.111564°N,
Long:103.80401°W

N

Characterization Schematic
Maverick Compressor Station

FIGURE:
1

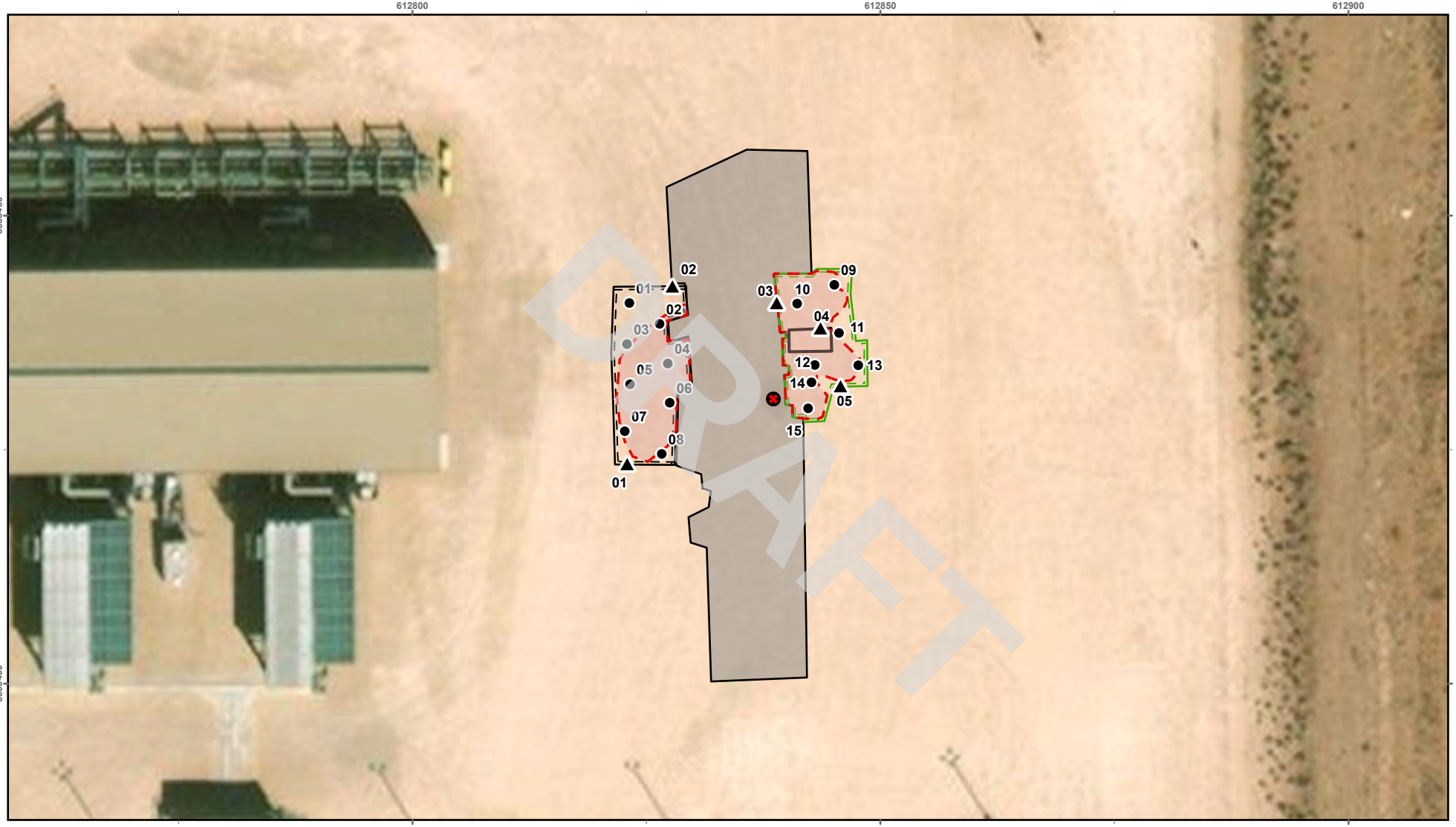
ExxonMobil

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

Note: Georeferenced image from Esri, 2022. Site features from GPS by Vertex Professional Services Ltd. (VPS), 2025.

VERSATILITY. EXPERTISE.

Document Path: S:\04 - Geomatics\1-Projects_US PROJECTS\ExxonMobil Upstream Comp (Former XTO)\XTO Energy\2025\25A-02656-Maverick Compressor Station\00 - ArcPro\25A-02656-Maverick Compressor Station.aprx



Base Sample (Prefixed by "BS25-")
Release Source
Wall Sample (Prefixed by "WS25-")
Concrete Pad
Excavation Area to 1' bgs (~1,485.6 | 189.5 ft.)
Excavation Area to 1.5' bgs (~1,247.7 | 169.8 ft.)
Moveable Equipment
Total Release Area (~1,924 sq. ft.)

VERTEX

0 30 60 ft.

NAD 1983 UTM Zone 13N
Date: Jun 30/25

Map Center:
Lat: 32.111569°N,
Long:103.804015°W

N

Confirmation Schematic
Maverick Compressor Station

FIGURE:
2

ExxonMobil

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

Note: Georeferenced image from Esri, 2022. Site features from GPS by Vertex Professional Services Ltd. (VPS), 2025.

VERSATILITY. EXPERTISE.

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APPENDIX B: Tables

Client Name: ExxonMobil Upstream Company
Site Name: Maverick Compressor Station
NMOCD Tracking #: NAPP2513433622
Project #: 25A-02656
Lab Report(s): H253080, H253248

Table 3. Initial Characterization Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Depth to Groundwater 51-100'							
BH25-01	0	May 19, 2025	ND	ND	ND	ND	ND	ND	ND	368
	1	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	192
BH25-02	0	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	128
	1	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	288
BH25-03	0	May 19, 2025	ND	ND	ND	ND	ND	ND	ND	80
	1	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	192
BH25-04	0	May 19, 2025	ND	ND	ND	**1640**	ND	**1640**	**1640**	544
	1	May 29, 2025	ND	ND	ND	18.6	ND	18.6	18.6	480
	2	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	176
BH25-05	0	May 19, 2025	ND	ND	ND	19.1	ND	19.1	19.1	80
	1	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	208
BH25-06	0	May 19, 2025	ND	ND	ND	10.9	ND	10.9	10.9	16
	1	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	96
BH25-07	0	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	80
	1	May 29, 2025	ND	ND	ND	ND	ND	ND	ND	368
BH25-08	0	May 19, 2025	ND	ND	ND	**5400**	ND	**5400**	**5400**	304
	1	May 29, 2025	ND	ND	ND	463	ND	463	463	368
	2	May 29, 2025	ND	ND	ND	21.5	ND	21.5	21.5	192

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

Client Name: ExxonMobil Upstream
Site Name: Maverick Compressor Station
NMOCD Tracking #: NAPP2513433622
Project #: 25A-02656
Lab Report(s): H253739 and H253792

Table 4. Confirmatory Sample Laboratory Results

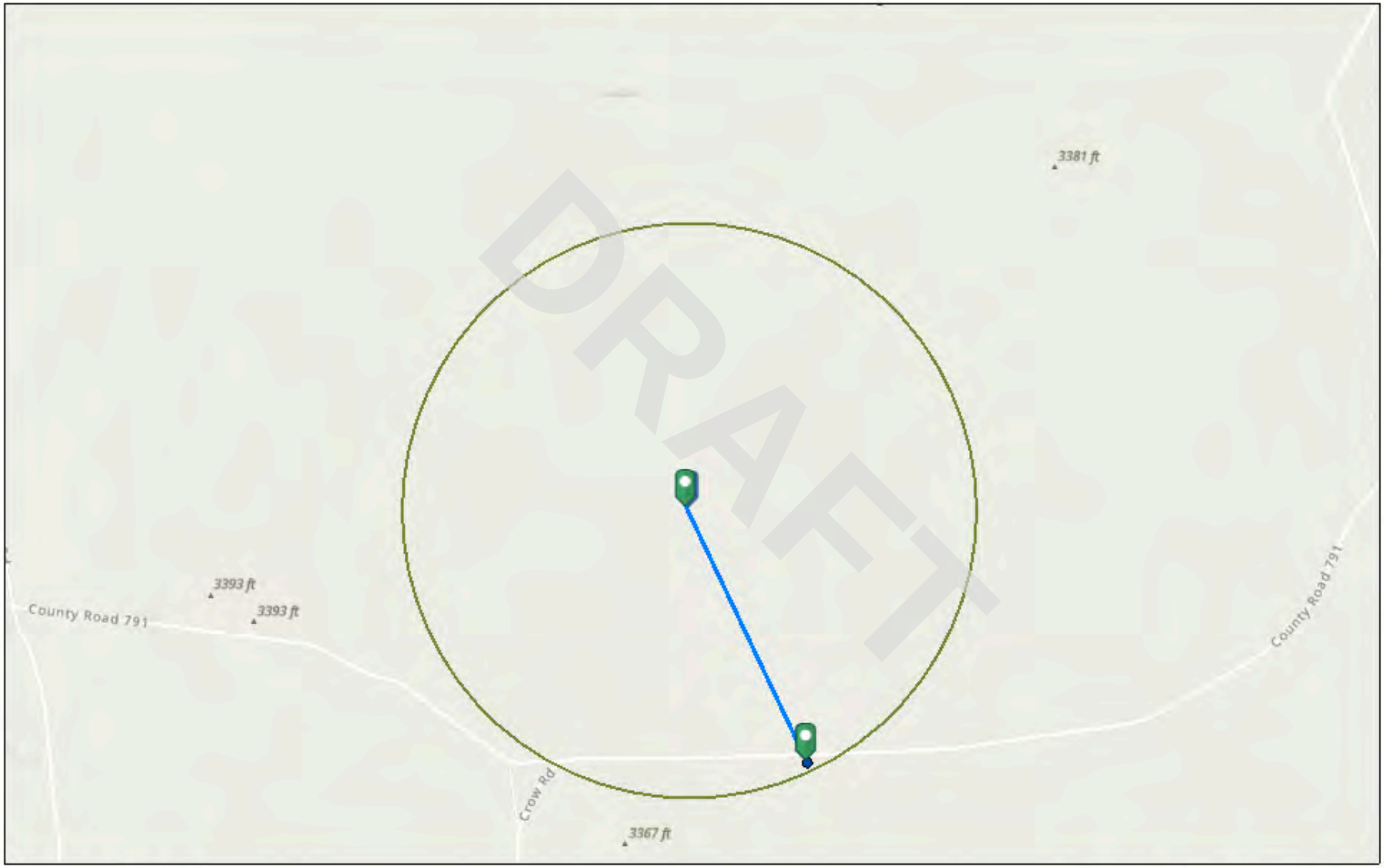
Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Depth to Groundwater 51- 100'							
BS25-01	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	272
BS25-02	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	160
BS25-03	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	80
BS25-04	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	144
BS25-05	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	160
BS25-06	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	144
BS25-07	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	96
BS25-08	1	June 23, 2025	ND	ND	ND	32.3	79.9	32.3	112.2	208
BS25-09	1	June 23, 2025	ND	ND	ND	38.9	81.9	38.9	120.6	208
BS25-10	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	192
BS25-11	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	176
BS25-12	1	June 23, 2025	ND	ND	ND	25.2	59.7	25.2	84.9	336
BS25-13	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	240
BS25-14	1	June 23, 2025	ND	ND	ND	42.5	93.6	42.5	136.1	368
BS25-15	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	96
WS25-01	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	288
WS25-02	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	112
WS25-03	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	256
WS25-04	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	304
WS25-05	1	June 23, 2025	ND	ND	ND	21.2	43.9	21.2	65.1	240
BACKFILL	1	June 19, 2025	ND	ND	ND	ND	ND	ND	ND	112
BACKFILL 2	1	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	112

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

APPENDIX C: Closure Criteria Research Documentation

Closure Criteria Determination			
Site Name: Maverick Compressor Station			
Spill Coordinates: 32.11168,-103.80475		X: 583806.18	Y:3553160.05
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	>55	feet
	Distance between release and nearest DTGW reference	2,612	feet
		0.49	miles
	Date of nearest DTGW reference measurement	June 5, 2024	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	4,787	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	69,767	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	118,126	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**	4,944	feet
	ii) Within 1000 feet of any fresh water well or spring	4,944	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	feet
7	Within 300 feet of a wetland	5,331	feet
8	Within the area overlying a subsurface mine	No	feet
	Distance between release and nearest registered mine	90,216	feet
9	Within an unstable area (Karst Map)	Medium	Critical High Medium Low
	Distance between release and nearest unstable area		feet
10	Within a 100-year Floodplain	100-500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	7,065	feet
11	Soil Type	Bernio Complex	
12	Ecological Classification	Loamy Sand	
13	Geology	Qep	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	<50' 51-100' >100'

01. 0.49mi from the DTGW Well



5/16/2025, 11:50:19 AM

Override 1

OSE Water PODs

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

New Mexico Oil Conservation Division

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

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04826 POD1	SE	NE	NW	29	25S	31E	613109.6	3552725.7	

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

Driller License:	1833	**Driller Company:**	VISION RESOURCES, INC		
Driller Name:	MALEY, JASONASTR.L.L W.				
Drill Start Date:	2024-05-29	**Drill Finish Date:**	2024-05-29	**Plug Date:**	2024-06-03
Log File Date:	2024-06-05	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	55	**Depth Water:**	

Casing Perforations:

Top	Bottom
45	55

5/16/25 3:04 PM MST **Point of Diversion Summary**

Water Right Summary

get image list

WR File Number:	C 04826	**Subbasin:**	CUB	**Cross Reference:**	
Primary Purpose:	MON MONITORING WELL				
Primary Status:	PMT Permit				
Total Acres:		**Subfile:**		**Header:**	
Total Diversion:	0.000	**Cause/Case:**			
Owner:	XTO ENERGY	**Owner Class:**	Owner		
Contact:	AMY RUTH				

Documents on File

(acre-fee

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
get images	758878	EXPL	2024-04-23	PMT	APR	C 04826 POD1	T	0.000	0.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 04826 POD1	NA		SE	NE	NW	29	25S	31E	613109.6	3552725.7		

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

QQC 01 JUN 5 2024 PM1:30

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): C-4826	WELL TAG ID NO.:	OSE FILE NO(S.): C-4826-POD1
WELL OWNER NAME(S): XTO Energy		PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 3104 E. Greene Street		CITY: Carlsbad STATE: NM ZIP: 88220

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	06	18.7344	N
LONGITUDE	-103	48	04.230	W

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

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
5-29-24	5-29-24	55'	55'	N/A

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): 0'

DATE STATIC MEASURED: 5-29-24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	45	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
45	55	6"	PVC 2" SCH40	Thread	2"	SCH40	.02

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None pulled and plugged		

FOR OSE INTERNAL USE

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

FILE NO. C-4826	POD NO. 1	TRN NO. 758878
LOCATION 25S.31E.29 421	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10'	Brown sand with caliche	Y ✓ N	
10	30	20'	Tan fine sand with small rock	Y ✓ N	
30	55	25'	Tan fine sand	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

RECEIVED OCD JUN 5 2024 PM1:30

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

Jason Maley

6. SIGNATURE

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

J Maley — Jason Maley

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

6/3/24

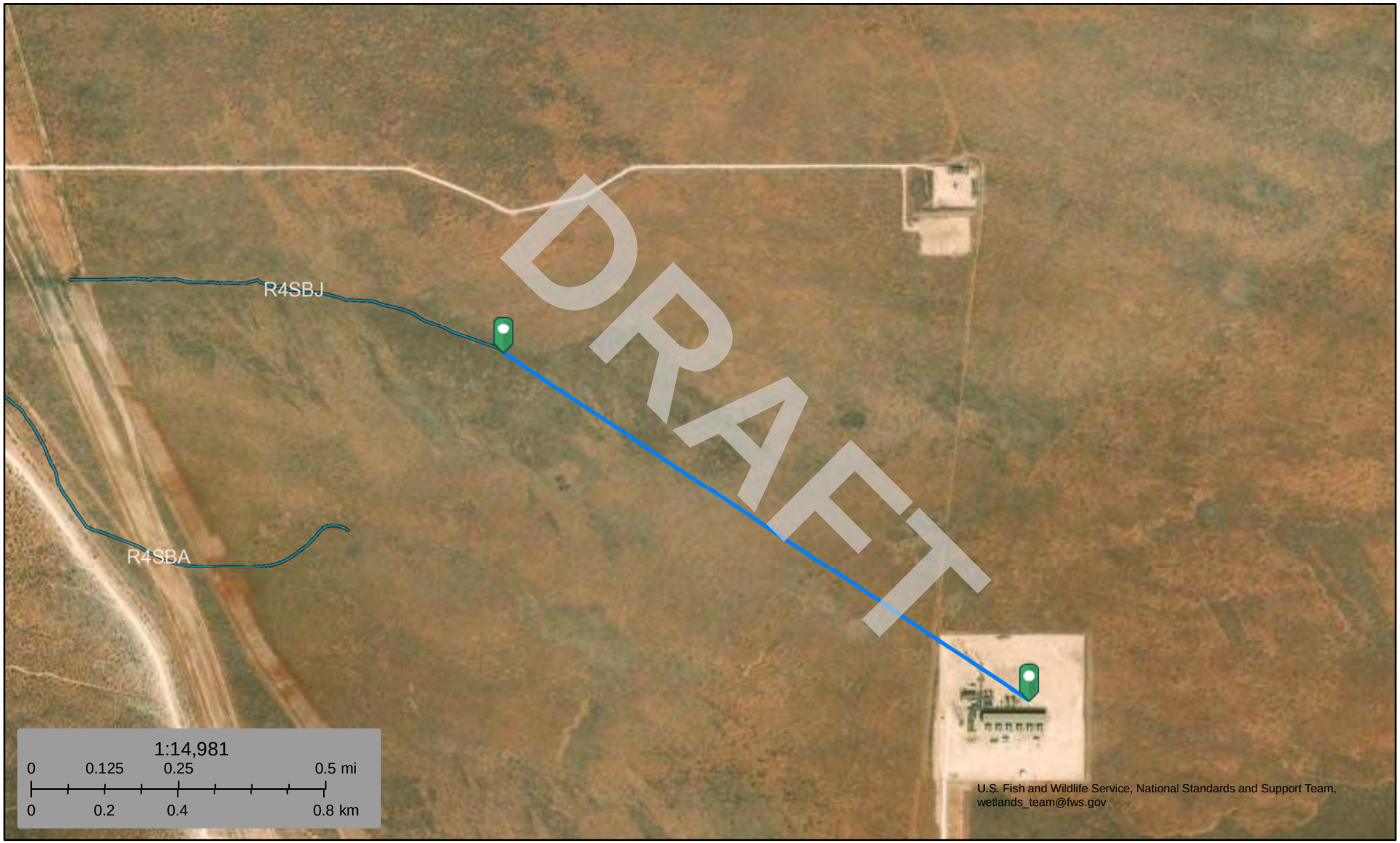
DATE

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

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

U.S. Fish and Wildlife Service
National Wetlands Inventory

Maverick Compressor Station
Watercourse 4,787ft



May 16, 2025

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

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Maverick Compressor Station
Lake 69,767ft

May 16, 2025

- Estuarine and Marine Deepwater
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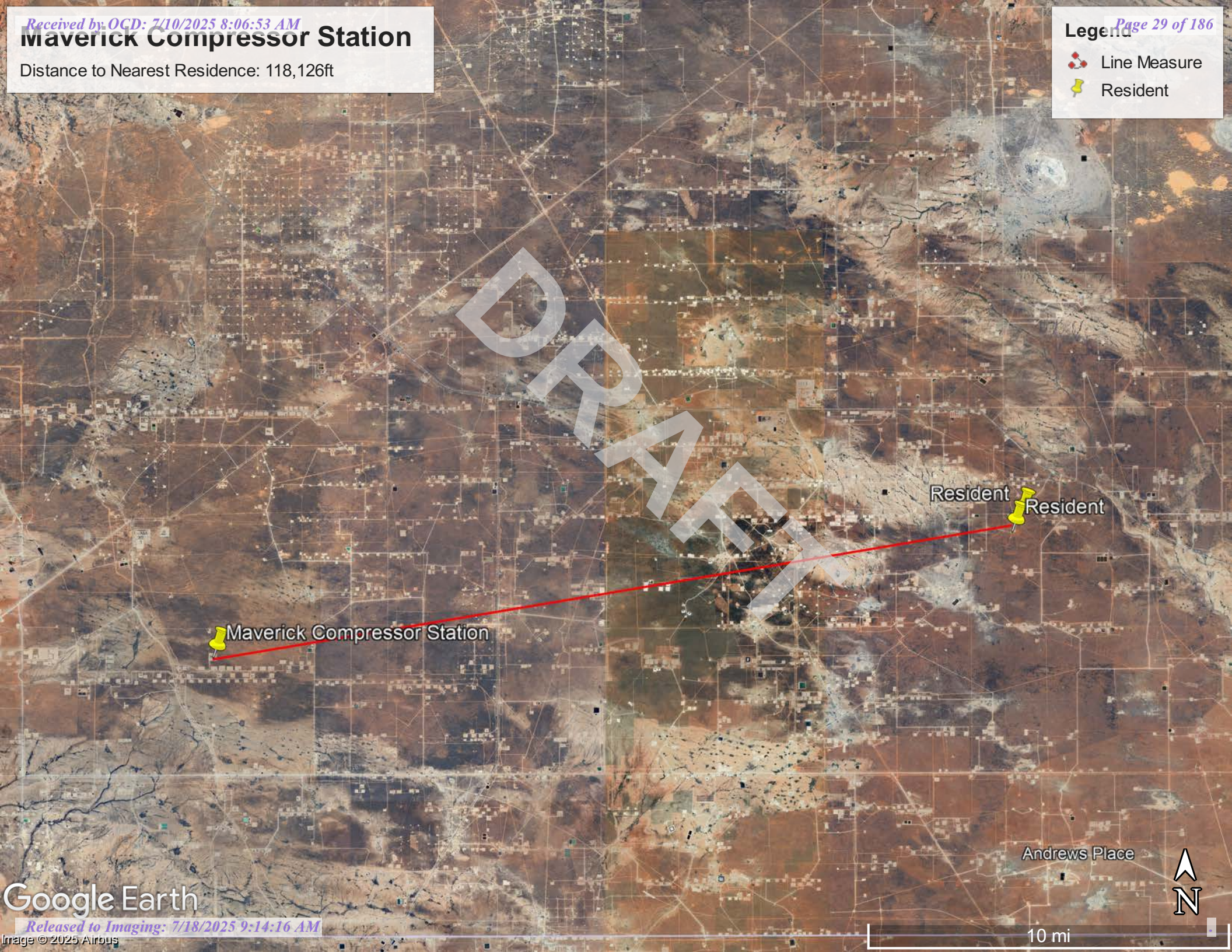
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Maverick Compressor Station

Distance to Nearest Residence: 118,126ft



Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum) (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) (meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q64	q16	q4	Sec	Tws	Range	X	Y	Map	Distance
C 01573	C	PRO	0.000	GULF OIL CORPORATION	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03471	C	PRO	0.000	CONCHO OIL AND GAS	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03516	C	PRO	0.000	OGX (GRR INC.)	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03517	C	PRO	0.000	OGX (GRR INC.)	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03518	C	PRO	0.000	OGX (GRR INC.)	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03519	C	PRO	0.000	OGX RESOURCES, LLC	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03521	C	PRO	0.000	OGX RESOURCES LLC	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03524	C	PRO	0.000	OGX RESOURCES, LLC	ED	C 01573 POD1				Shallow	SW	NW	SE	20	25S	28E	584143.9	3553361.5		393.2
C 03836	C	STK	3.000	GRANGER PROPERTY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 03871	C	PRO	0.000	CONCHO OIL & GAS	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 03872	C	PRO	0.000	CONCHO OIL & GAS	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 03873	C	PRO	0.000	CONCHO OIL & GAS	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 03969	C	PRO	0.000	MEWBOURNE OIL COMPANY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 03970	C	PRO	0.000	MEWBOURNE OIL COMPANY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 03971	C	PRO	0.000	MEWBOURNE OIL COMPANY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 04122	C	PRO	0.000	MEWBOURNE OIL COMPANY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 04123	C	PRO	0.000	MEWBOURNE OIL COMPANY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9
C 04124	C	PRO	0.000	MEWBOURNE OIL COMPANY	ED	C 03836 POD1	NA			Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		1,506.9

Record Count: 18

Filters Applied:

UTM Filters (in meters):
Easting: 583806.18
Northing: 3553160.05
Radius: 1610.0

Sorted By: Distance

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

Water Right Summary

get image list

WR File Number:	C 03836	**Subbasin:**	C	**Cross Reference:**	
Primary Purpose:	STK 72-12-1 LIVESTOCK WATERING				
Primary Status:	PMT Permit				
Total Acres:		**Subfile:**		**Header:**	
Total Diversion:	3.000	**Cause/Case:**			
Owner:	GRANGER PROPERTY	**Owner Class:**	User		
Contact:	M STAPLETON				

Documents on File

(acre-fe

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
get images	561724	72121	2015-01-28	PMT	LOG	C 03836 POD1	T		3.000

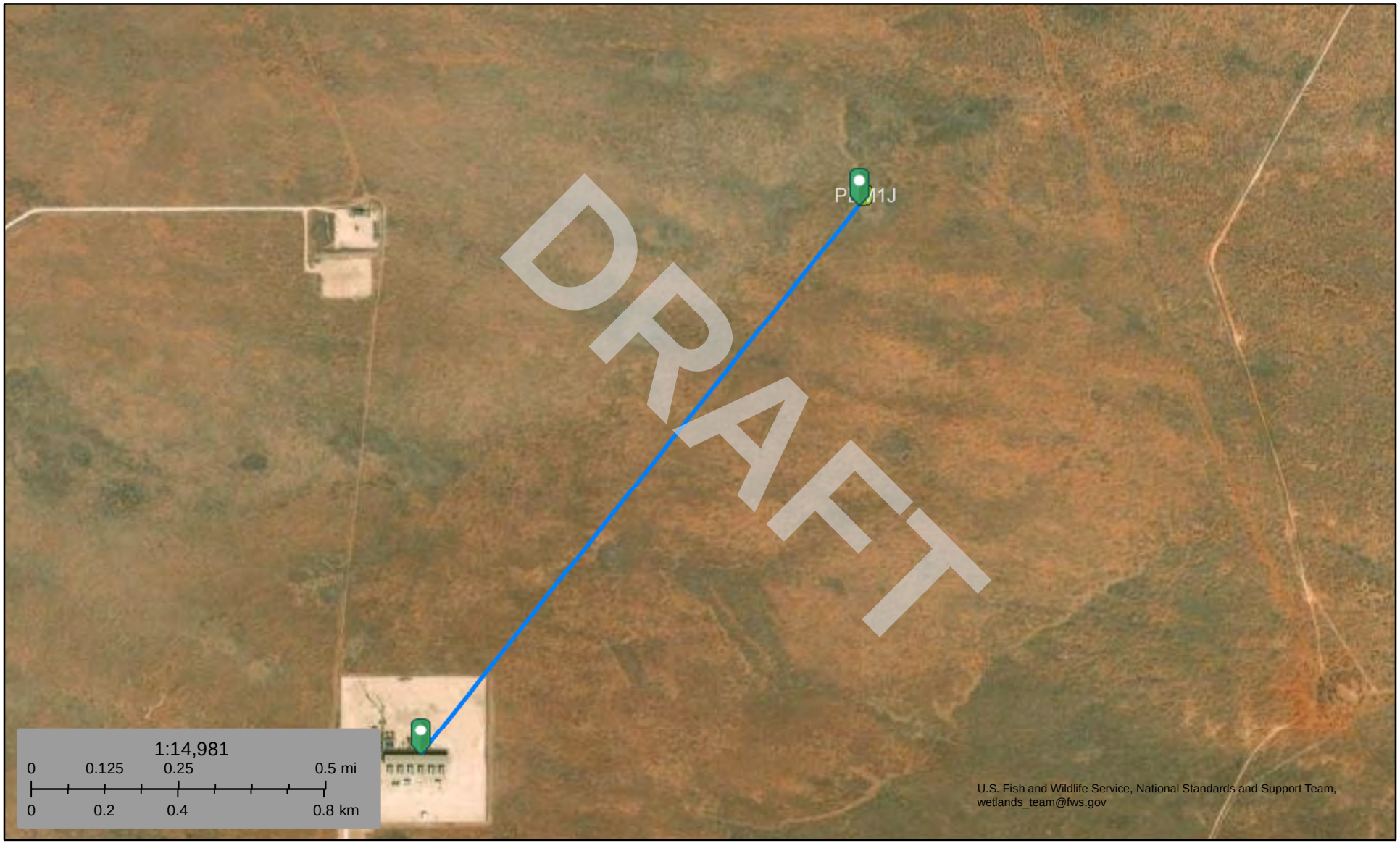
Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 03836 POD1	NA	Shallow	NE	NE	SE	29	25S	28E	584682.5	3551934.1		RED BLUFF DRAW AREA

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Maverick Compressor Station
Wetland 4,944ft



May 16, 2025

- Estuarine and Marine Deepwater
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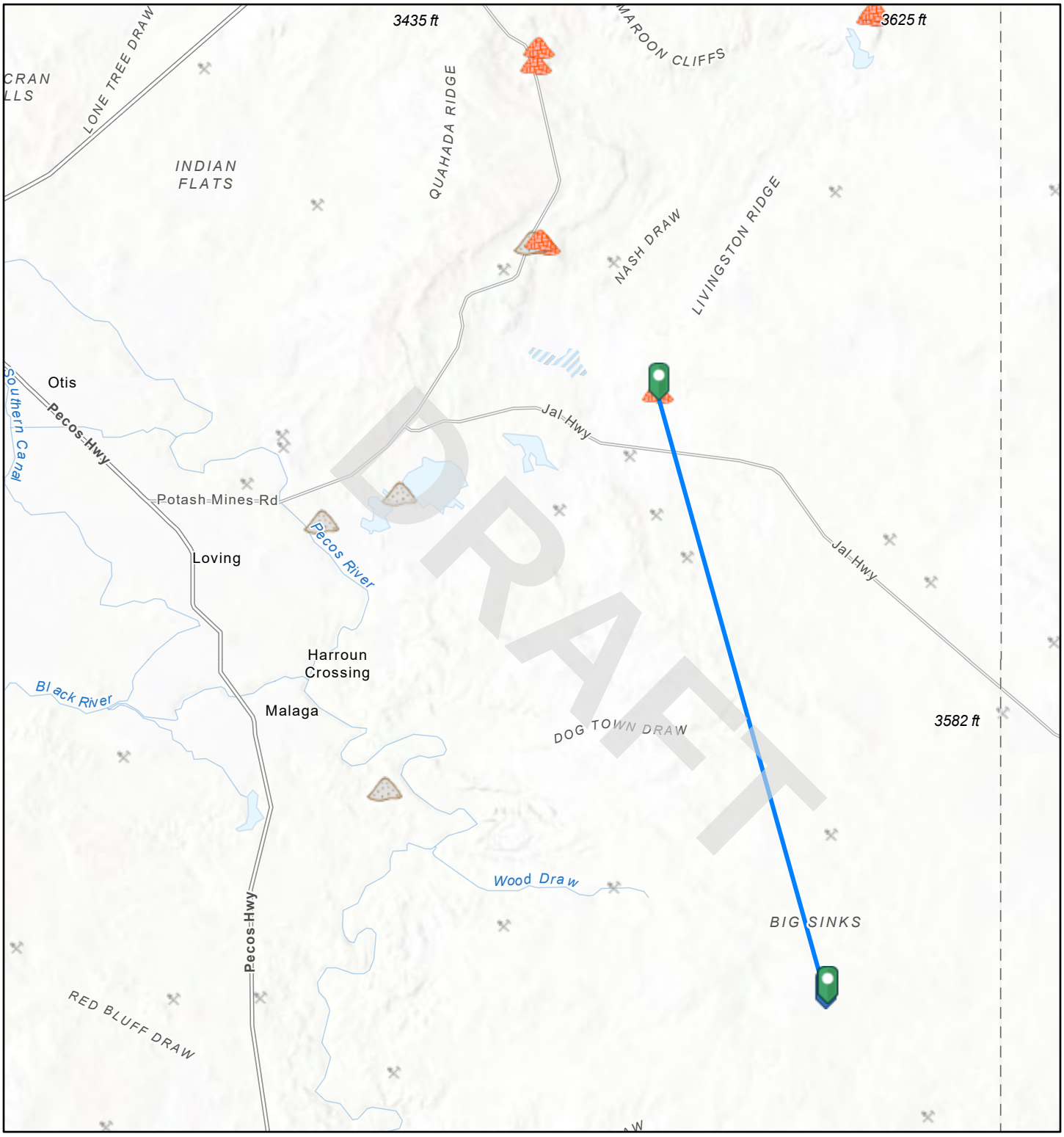
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Maverick Compressor Station Mine 90,216ft



5/16/2025, 3:29:09 PM

1:288,895

0 2 4 8 mi

0 3.25 6.5 13 km

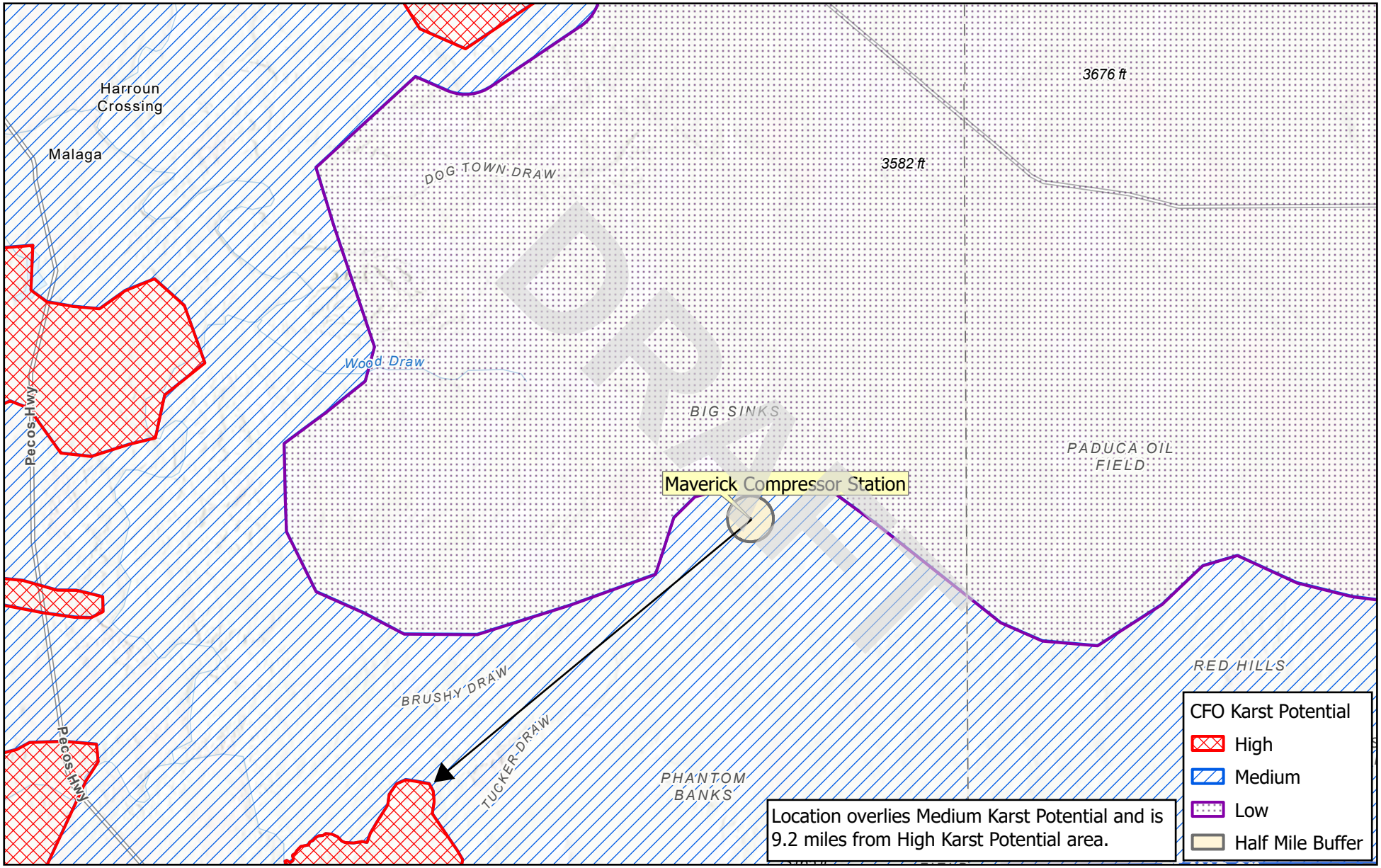
Registered Mines

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

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

EMNRD MMD GIS Coordinator

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



VERTEX

0 2 4 Miles

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
Lat/Long: 32.138723°N, 103.826255°W

Date: May 19/25

N

Karst Potential
Maverick Compressor Station

PLATE: **8**

ExxonMobil

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

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

VERSATILITY. EXPERTISE.

National Flood Hazard Layer FIRMette

FEMA

103°48'36"W 32°6'57"N

103°47'58"W 32°6'27"N

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

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

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

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone D*
- OTHER AREAS
  - NO SCREEN Area of Minimal Flood Hazard *Zone X*
  - Effective LOMRs
  - Area of Undetermined Flood Hazard *Zone D*
- GENERAL STRUCTURES
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES
  - 20.2 Cross Sections with 1% Annual Chance
  - 17.5 Water Surface Elevation
  - Coastal Transect
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/16/2025 at 9:45 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.

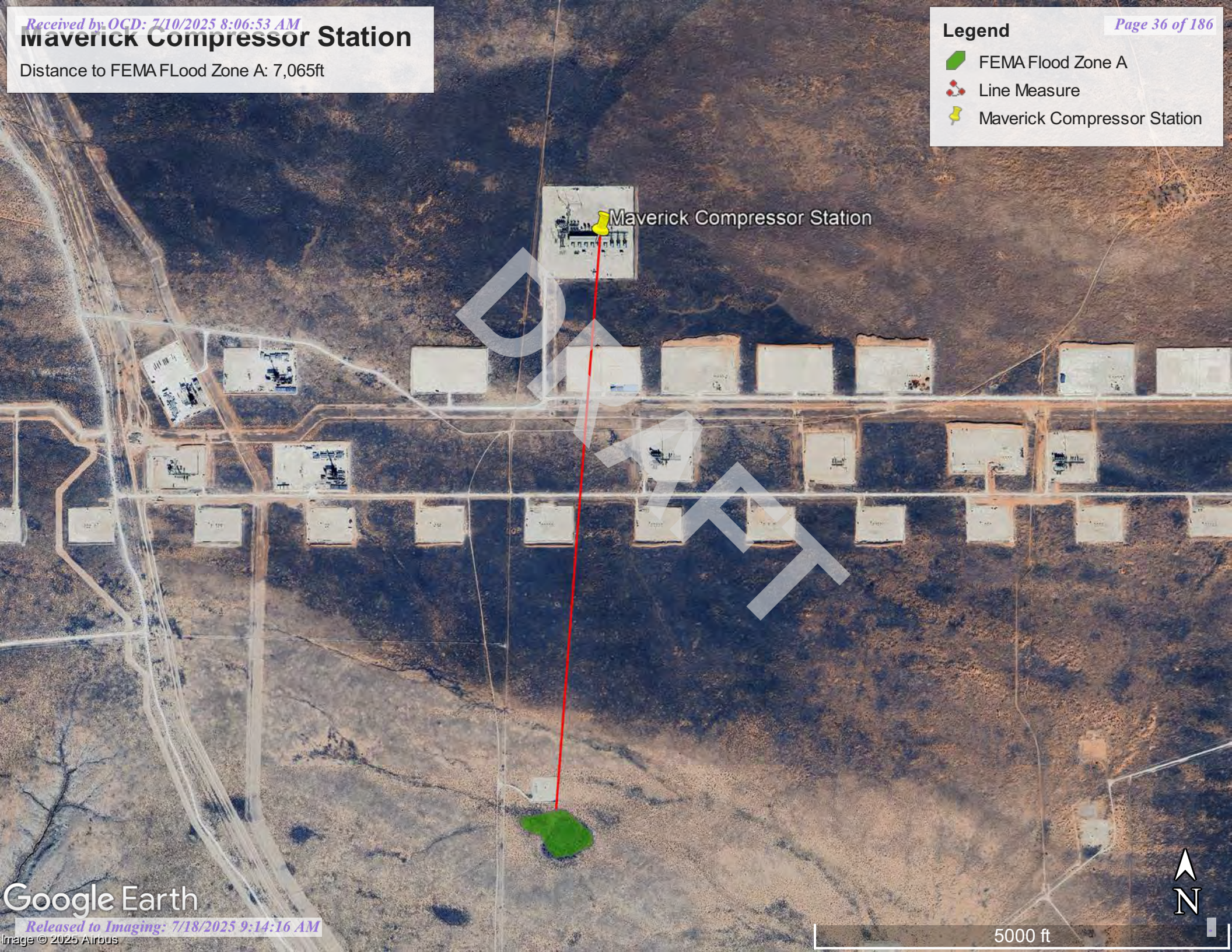
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Maverick Compressor Station

Distance to FEMA FLood Zone A: 7,065ft

Legend

- FEMA Flood Zone A
- Line Measure
- Maverick Compressor Station



USDA Natural Resources Conservation Service

Ecological site R070BD003NM
Loamy Sand

Accessed: 06/25/2025

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
R070BD005NM	**Deep Sand** Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
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 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later 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 this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season 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 moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

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

Characteristic soils are:
Maljamar
Berino
Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover <=3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm

Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

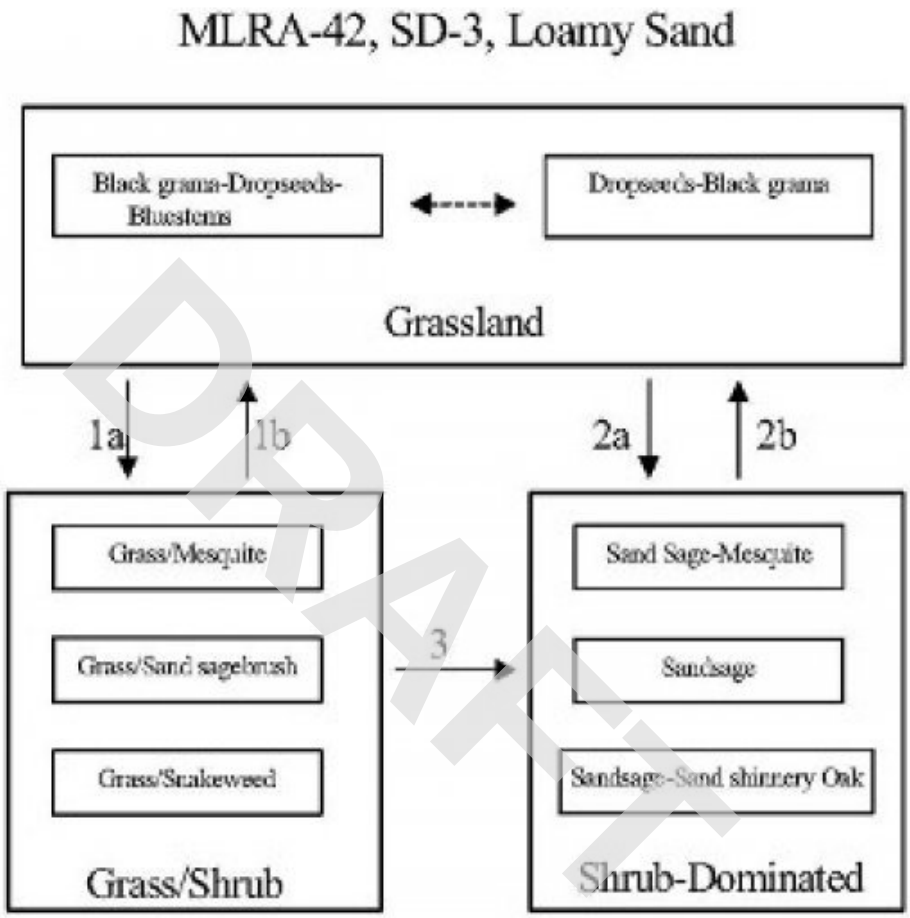
Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



1a. Drought, over grazing, fire suppression.
1b. Brush control, prescribed grazing

2.a Severe loss of grass cover, fire suppression, erosion.
2b. Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

State 1
Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	**650**	**1225**	**1800**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - 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 State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed

to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3
Shrub Dominated

Community 3.1
Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn

and mesquite/snakeweed abundance

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**			61–123	
	little bluestem	SCSC	*Schizachyrium scoparium*	61–123	–
2	**Warm Season**			37–61	
	sand bluestem	ANHA	*Andropogon hallii*	37–61	–
3	**Warm Season**			37–61	
	cane bluestem	BOBA3	*Bothriochloa barbinodis*	37–61	–
	silver bluestem	BOSA	*Bothriochloa saccharoides*	37–61	–
4	**Warm Season**			123–184	
	black grama	BOER4	*Bouteloua eriopoda*	123–184	–
	bush muhly	MUPO2	*Muhlenbergia porteri*	123–184	–
5	**Warm Season**			123–184	
	thin paspalum	PASE5	*Paspalum setaceum*	123–184	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	–
	fringed signalgrass	URCI	*Urochloa ciliatissima*	123–184	–
6	**Warm Season**			123–184	
	spike dropseed	SPCO4	*Sporobolus contractus*	123–184	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	123–184	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	123–184	–
7	**Warm Season**			61–123	
	hooded windmill grass	CHCU2	*Chloris cucullata*	61–123	–
	Arizona cottontop	DICA8	*Digitaria californica*	61–123	–
9	**Other Perennial Grasses**			37–61	
	Grass, perennial	2GP	*Grass, perennial*	37–61	–
Shrub/Vine					
8	**Warm Season**			37–61	
	New Mexico feathergrass	HENE5	*Hesperostipa*	37–61	–

			neomexicana		
	giant dropseed	SPGI	*Sporobolus giganteus*	37–61	–
10	**Shrub**			61–123	
	sand sagebrush	ARFI2	*Artemisia filifolia*	61–123	–
	Havard oak	QUHA3	*Quercus havardii*	61–123	–
11	**Shrub**			34–61	
	fourwing saltbush	ATCA2	*Atriplex canescens*	37–61	–
	featherplume	DAFO	*Dalea formosa*	37–61	–
12	**Shrub**			37–61	
	jointfir	EPHED	*Ephedra*	37–61	–
	littleleaf ratany	KRER	*Krameria erecta*	37–61	–
13	**Other Shrubs**			37–61	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	37–61	–
Forb					
14	**Forb**			61–123	
	leatherweed	CRPOP	*Croton pottsii var. pottsii*	61–123	–
	Indian blanket	GAPU	*Gaillardia pulchella*	61–123	–
	globemallow	SPHAE	*Sphaeralcea*	61–123	–
15	**Forb**			12–37	
	woolly groundsel	PACA15	*Packera cana*	12–37	–
16	**Forb**			61–123	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	61–123	–
	woolly plantain	PLPA2	*Plantago patagonica*	61–123	–
17	**Other Forbs**			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.

Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

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
Berino B
Kinco A
Maljamar B
Pajarito B
Palomas B
Wink B
Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well 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 2.3 – 3.5
75 – 51 3.0 – 4.5

50 – 26 4.6 – 9.0
25 – 0 9.1 +

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 Cited:

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Ansley, R. J.; Jones, D. L.; Tunnell, T. R.; [and others]. 1998. Honey mesquite canopy responses to single winter fires: relation to herbaceous fuel, weather and fire temperature. International Journal of Wildland Fire 8(4):241-252.

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Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

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Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Contributors

Don Sylvester
Quinn Hodgson

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:**

Maverick Compressor Station Geology

5/16/2025, 3:37:31 PM

1:144,448

0 1 2 4 mi

0 1.5 3 6 km

Lithologic Units

- Playa——Alluvium and evaporite deposits (Holocene)
- Water——Perenial 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

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

APPENDIX D: Daily Field Reports

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	5/15/2025		

Summary of Times	
Arrived at Site	5/15/2025 12:22 PM
Departed Site	5/15/2025 1:37 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

12:22 Updates safety paperwork and received authorization to begin work

12:52 Walked the site to determine where the release was and the extent

12:53 Found contaminate both east and west of the equipment, as well as free fluid on the bottom level of the equipment

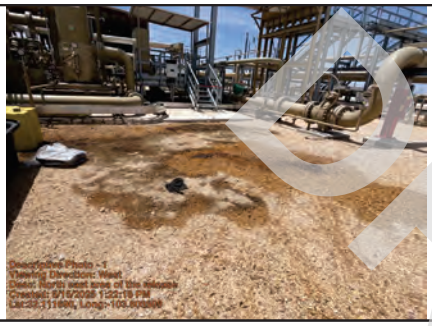
Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: West



North east area of the release

Viewing Direction: West

Equipment in the northeast area has minimal pooling underneath

Viewing Direction: West

Southeast area of the release

Viewing Direction: Northeast

Oil pooled under equipment in the center can be seen from the east side

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: East
	
West side of release	West side of release
Viewing Direction: East	**Viewing Direction**: East
	
Liquid pooling can be seen under equipment in the center from the west side	Material black/dark brown for 1inch, then still darker than uncontaminated area at 5 inches

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Katrina Taylor

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	5/19/2025		

Summary of Times	
Arrived at Site	5/19/2025 2:00 PM
Departed Site	5/19/2025 5:00 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

16:28 Travel to site/ safety paperwork was filled out

16:29 Map updates were made including underground facilities marked in 811

16:29 BH25-01 through BH25-08 were collected at 0' and field screened

16:30 Horizontal sample points exceeding 600 chl were stepped out as needed and resampled

Next Steps & Recommendations

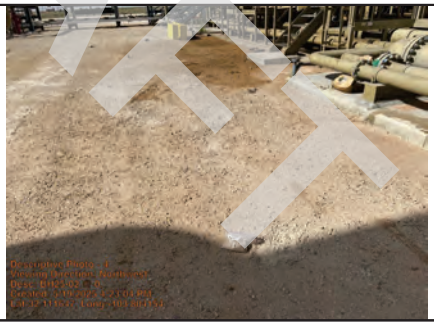
1 BH25-02 and BH25-07 need to be stepped out

2 Horizontal sample points need 1' samples

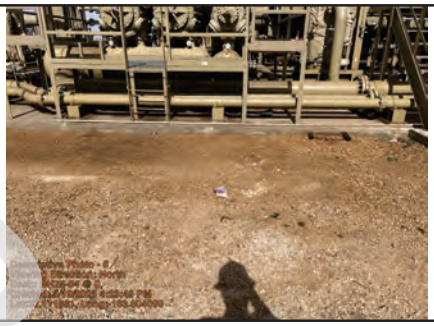
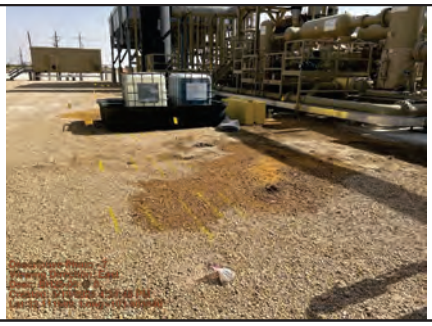
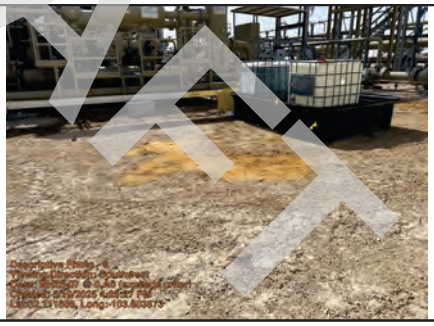
3 Vertical sample points need to be sampled in 1' increments to 4' or clean

Daily Site Visit Report

Site Photos

Viewing Direction: West	**Viewing Direction**: West
	
BH25-01 @ 0’ (exceeds site criteria)	BH25-01 @ 0’ stepped out 6’
Viewing Direction: Northwest	**Viewing Direction**: Northwest
	
BH25-02 @ 0’ (exceeds criteria)	BH25-02 @ 0’

Daily Site Visit Report

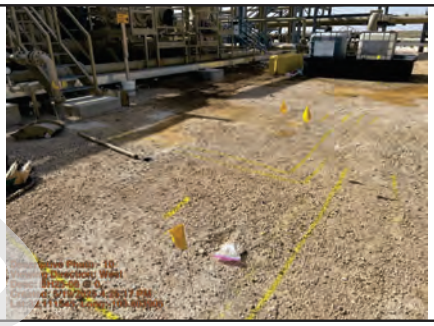
Viewing Direction: East	**Viewing Direction**: North
	
BH25-03 @ 0’	BH25-04 @ 0’
Viewing Direction: East	**Viewing Direction**: Southwest
	
BH25-05 @ 0’	BH25-07 @ 0’ (exceeds criteria)

Daily Site Visit Report

Viewing Direction: Southwest

BH25-07 @ 0’

Viewing Direction: West



BH25-06 @ 0’

Viewing Direction: North

BH25-08 @ 0’

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	5/28/2025		

Summary of Times	
Arrived at Site	5/28/2025 12:30 PM
Departed Site	5/28/2025 3:30 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

14:32 Horizontal edges of spill were found at BH25-02 and BH25-07 at 0’

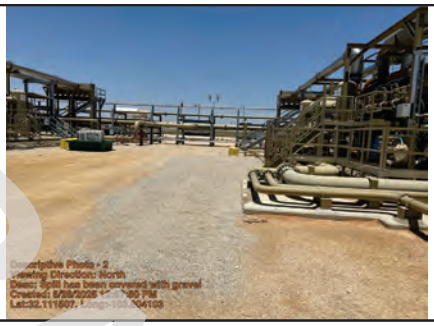
14:33 BH25-05 through BH25-07 were collected at 1’ and field screened

Next Steps & Recommendations

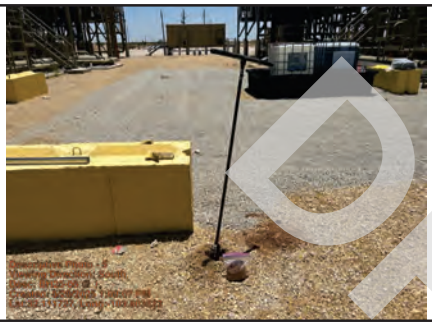
1. Finish collecting remains horizontal bore holes
2. Collect vertical bore holes
3. Create excavation map

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: North
	
Spill has been covered with gravel	Spill has been covered with gravel
Viewing Direction: West	**Viewing Direction**: East
	
BH25-07 @ 0’	BH25-02 @ 0’

Daily Site Visit Report

Viewing Direction: South	**Viewing Direction**: North
	
BH25-06 @ 1’	BH25-05 @ 1’

Viewing Direction: West

BH25-07 @ 1’

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	5/29/2025		

Summary of Times	
Arrived at Site	5/29/2025 9:30 AM
Departed Site	5/29/2025 3:30 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

9:54 Safety paperwork

9:54 BH25-01 through BH25-03 were collected at 1’

13:34 BH25-04 and BH25-08 were collected at 1’ and 2’

13:34 All samples were field screened

8:17 Map updates were made

Next Steps & Recommendations

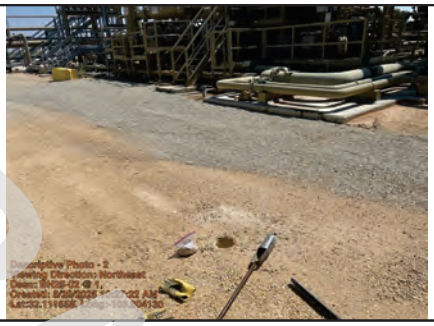
1 Jar samples

2 Coc and deliver to lab

3 Create excavation map and begin remediation

Daily Site Visit Report

Site Photos

Viewing Direction: East	**Viewing Direction**: Northeast
	
BH25-03 @ 1’	BH25-02 @ 1’
Viewing Direction: East	**Viewing Direction**: East
	
BH25-04 @ 1’	BH25-04 @ 2’

Daily Site Visit Report

Viewing Direction: Northeast	**Viewing Direction**: West
	
BH25-01 @ 1’	BH25-08 @ 1’ BH25-08 @ 2’

Viewing Direction: South	**Viewing Direction**: North
	
All boreholes were backfilled	All boreholes were backfilled

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	6/16/2025		

Summary of Times	
Arrived at Site	6/16/2025 9:00 AM
Departed Site	6/16/2025 3:00 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

12:34 Travel to site/ safety paperwork

12:34 Hydrovac trench was painted out

12:35 Hydrovac began trench around excavation at 2' to ensure no underground facilities would be encountered in 1' excavation zone

12:36 Washout station for Hydrovac was built on east edge of location

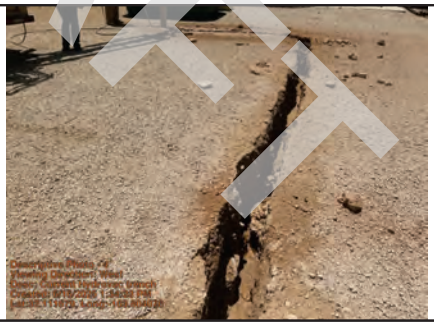
Next Steps & Recommendations

1 Continue Hydrovacing trench and begin trench on the east side of compressor

2 Begin mechanical excavation (backhoe)

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: South
	
Hydrovac trench marked east side of compressor	Hydrovac trench marked west side of compressor
Viewing Direction: South	**Viewing Direction**: West
	
Hydrovacing in progress	Current Hydrovac trench

Daily Site Visit Report

Viewing Direction: East

Washout station for Hydrovac

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	6/17/2025		

Summary of Times	
Arrived at Site	6/17/2025 9:00 AM
Departed Site	6/17/2025 3:30 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

8:13 Hydrovac trench continued on west side of excavation

8:12 Confirmation sampling event was scheduled for the 19th so areas around catwalks can be backfilled for operators safety

8:14 A 1' wide area was Hydrovaced next to concrete pad that compressor is placed on to abound and damages that could occur with mechanical excavation

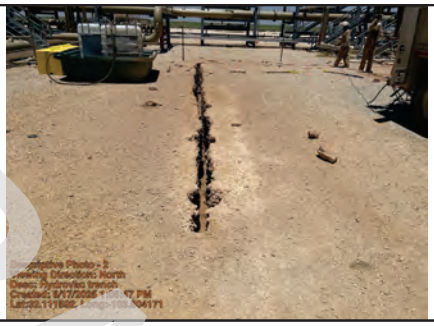
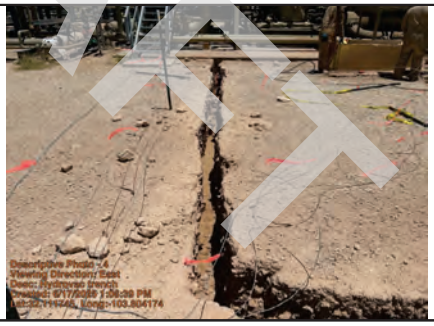
Next Steps & Recommendations

1 Continue you Hydrovacing

2 Complete excavation

Daily Site Visit Report

Site Photos

Viewing Direction: North  Hydrovac in progress	**Viewing Direction**: North  Hydrovac trench
Viewing Direction: East  Hydrovac trench with line uncovered on west end	**Viewing Direction**: East  Hydrovac trench

Daily Site Visit Report

Viewing Direction: South	**Viewing Direction**: North
	
Hydrovac around concrete pad and other equipment	Hydrovac around equipment

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Riley Arnold

Signature:

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	6/18/2025		

Summary of Times	
Arrived at Site	6/18/2025 9:00 AM
Departed Site	

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

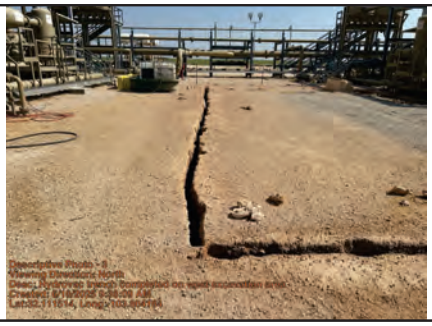
Daily Site Visit Report

Field Notes	
9:59	Hydrovac trench and area close to concrete pad was completed on western excavation
9:59	Hydrovacing began on eastern excavation
10:00	ExxonMobil rep was spoke to concerning lines in excavation area it was decided to Hydrovac area above lines rather than mechanically excavate

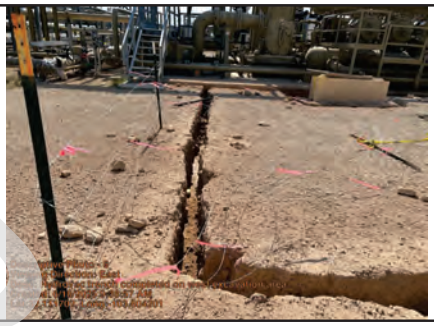
Next Steps & Recommendations
1

Daily Site Visit Report

Site Photos

Viewing Direction: North  Hydrovac trench completed on west excavation area	**Viewing Direction**: West  Hydrovac trench completed on west excavation area
Viewing Direction: North  Hydrovac trench completed on west excavation area	**Viewing Direction**: Northeast  Hydrovac trench completed on west excavation area

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: East
	
Hydrovac trench completed on west excavation area	Hydrovac trench completed on west excavation area
Viewing Direction: East	**Viewing Direction**: South
	
Hydrovac starting on western excavation	4 lines found in excavation trench

Daily Site Visit Report

Viewing Direction: South

Hydrovac wil clear out excavation to a depth of 2’ for the length of these lines

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	nAPP2513433622.
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	6/19/2025		

Summary of Times	
Arrived at Site	6/19/2025 8:00 AM
Departed Site	6/19/2025 4:00 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

9:51 Excavation on western excavation began at 1’

9:51 Hydrovacing continued in Eastern excavation area

9:51 Contaminated material was placed on plastic liner

8:48 BS25-01 through BS25-08 were collected and field screened

Next Steps & Recommendations

1 Continue excavation

2 Soil sampling and field screening

3 Confirmation sampling

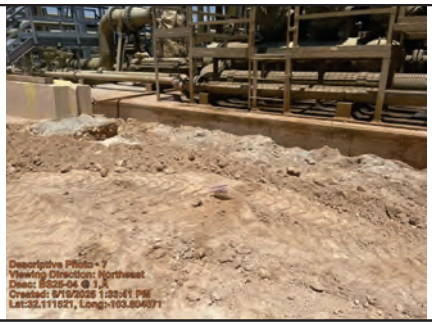
4 Reporting

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: East
	
Western excavation in progress	Contaminated material placed on plastic
Viewing Direction: Northeast	**Viewing Direction**: Northwest
	
BS25-08 @ 1’	BS25-07 @ 1’

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: West
	
BS25-06 @ 1’	BS25-05 @ 1’
Viewing Direction: Northeast	**Viewing Direction**: West
	
BS25-04 @ 1’	BS25-03 @ 1’

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: Northwest
	
BS25-02 @ 1’	BS25-01 @ 1’
Viewing Direction: East	**Viewing Direction**: North
	
BACKFILL	Western excavation completed and fenced

Daily Site Visit Report

Viewing Direction: North

Hydrovac near completion on Easter excavation area

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	6/20/2025		

Summary of Times	
Arrived at Site	6/20/2025 8:30 AM
Departed Site	6/20/2025 3:30 PM

Daily Site Visit Report

VERTEX

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

10:15 Travel to site / safety paperwork

10:15 Hydrovac continued on Eastern excavation

10:16 Began hauling contaminated material to disposal

Next Steps & Recommendations

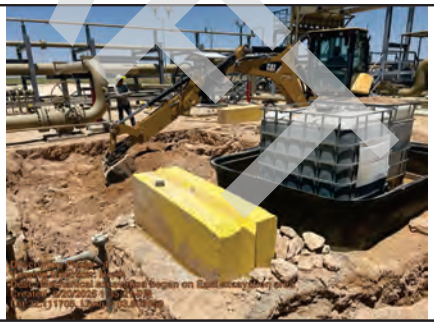
1 Continue excavation

2 Confirmation sampling

3 Reporting

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: South
	
Hydrovac continued on East excavation area	Contaminated material being hauled to disposal
Viewing Direction: South	**Viewing Direction**: North
	
Hydrovac near completion	Mechanical excavation began on East excavation area

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 
Signature

Daily Site Visit Report

Client:	XTO Energy Inc. (US)	Incident ID #:	
Site Location Name:	Maverick Compressor Station	API #:	
Inspection Date:	6/23/2025		

Summary of Times	
Arrived at Site	6/23/2025 8:25 AM
Departed Site	6/23/2025 3:30 PM

Daily Site Visit Report

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

8:38 Excavation on east side of Compressor continued

8:39 Confirmation samples BS25-01 through BS25-05 and BS25-08 were collected and field screened

11:43 Confirmation samples WS25-01 through WS25-05 were collected and field screened

11:43 Confirmation samples BS25-09 through BS25-15 were collected and field screened

Next Steps & Recommendations

1 Deliver confirmation samples to lab

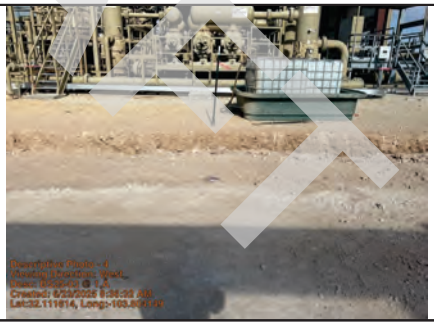
2 Reporting/ tables / mapping

3 Backfill excavation

Daily Site Visit Report

VERTEX

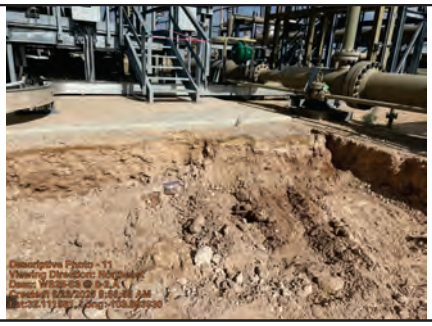
Site Photos

Viewing Direction: North	**Viewing Direction**: North
	
Excavation on eastern side continued	BS25-01 @ 1’
Viewing Direction: East	**Viewing Direction**: West
	
BS25-02 @ 1’	BS25-03 @ 1’

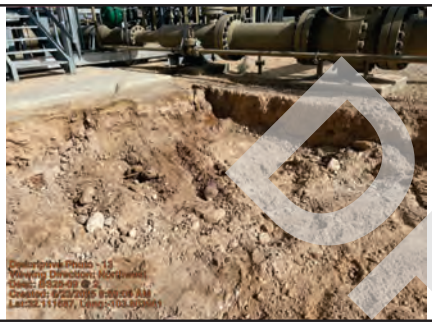
Daily Site Visit Report

Viewing Direction: Southeast	**Viewing Direction**: Southwest
	
BS25-04 @ 1’	BS25-05 @ 1’
Viewing Direction: South	**Viewing Direction**: East
	
BS25-08 @ 1’	BACKFILL sample

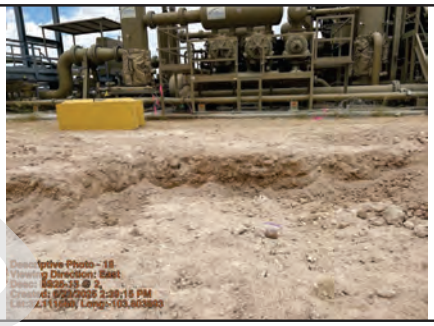
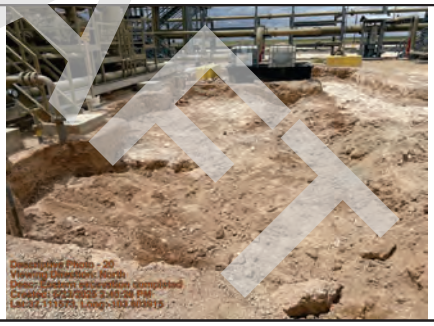
Daily Site Visit Report

Viewing Direction: Southwest	**Viewing Direction**: Northeast
	
WS25-01 @ 0-1’	WS25-02 @ 0-1’
Viewing Direction: Northeast	**Viewing Direction**: South
	
WS25-03 @ 0-2’	WS25-04 @ 0-2’

Daily Site Visit Report

Viewing Direction: Northwest	**Viewing Direction**: North
	
BS25-10 @ 2’	BS25-12 @ 2’
Viewing Direction: South	**Viewing Direction**: Northeast
	
BS25-14 @ 2’ BS25-15 @ 2’	BS25-09 @ 2’

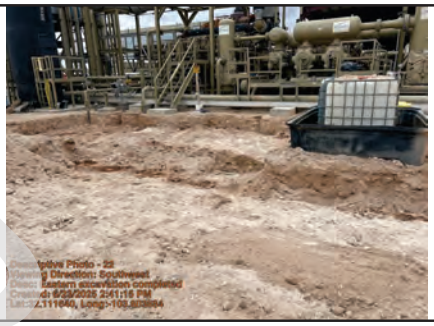
Daily Site Visit Report

Viewing Direction: Southeast	**Viewing Direction**: East
	
BS25-11 @ 2’	BS25-13 @ 2’
Viewing Direction: Northeast	**Viewing Direction**: North
	
WS25-05 @ 0-2’	Eastern excavation completed

Daily Site Visit Report

Viewing Direction: Northwest

Eastern excavation completed

Viewing Direction: Southwest

Eastern excavation completed

Viewing Direction: West

Eastern excavation completed

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Riley Arnold

Signature: 

APPENDIX E: Laboratory Data Report(s) and Chain of Custody Form(s)

CARDINAL Laboratories

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

May 28, 2025

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: MAVERICK COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 05/22/25 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2025	Sampling Date:	05/19/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BH25 - 01 @ 0' (H253080-01)

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	05/23/2025	ND	2.03	101	2.00	1.89	
Toluene*	<0.050	0.050	05/23/2025	ND	2.14	107	2.00	2.49	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.11	106	2.00	2.11	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.47	108	6.00	2.22	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *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	**368**	16.0	05/23/2025	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	05/23/2025	ND	213	107	200	1.79	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	198	99.2	200	0.0192	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *88.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2025	Sampling Date:	05/19/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BH25 - 03 @ 0' (H253080-02)

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	05/23/2025	ND	2.03	101	2.00	1.89	
Toluene*	<0.050	0.050	05/23/2025	ND	2.14	107	2.00	2.49	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.11	106	2.00	2.11	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.47	108	6.00	2.22	
Total BTEX	<0.300	0.300	05/23/2025	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	**80.0**	16.0	05/27/2025	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	05/23/2025	ND	213	107	200	1.79	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	198	99.2	200	0.0192	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *113 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2025	Sampling Date:	05/19/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BH25 - 04 @ 0' (H253080-03)

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	05/23/2025	ND	2.03	101	2.00	1.89	
Toluene*	<0.050	0.050	05/23/2025	ND	2.14	107	2.00	2.49	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.11	106	2.00	2.11	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.47	108	6.00	2.22	
Total BTEX	<0.300	0.300	05/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	05/27/2025	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	05/23/2025	ND	213	107	200	1.79	
DRO >C10-C28*	**1640**	10.0	05/23/2025	ND	198	99.2	200	0.0192	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *118 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2025	Sampling Date:	05/19/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BH25 - 05 @ 0' (H253080-04)

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	05/23/2025	ND	2.03	101	2.00	1.89	
Toluene*	<0.050	0.050	05/23/2025	ND	2.14	107	2.00	2.49	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.11	106	2.00	2.11	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.47	108	6.00	2.22	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *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	**80.0**	16.0	05/27/2025	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	05/23/2025	ND	213	107	200	1.79	
DRO >C10-C28*	**19.1**	10.0	05/23/2025	ND	198	99.2	200	0.0192	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2025	Sampling Date:	05/19/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BH25 - 06 @ 0' (H253080-05)

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	05/23/2025	ND	2.03	101	2.00	1.89	
Toluene*	<0.050	0.050	05/23/2025	ND	2.14	107	2.00	2.49	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.11	106	2.00	2.11	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.47	108	6.00	2.22	
Total BTEX	<0.300	0.300	05/23/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/27/2025	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	05/23/2025	ND	213	107	200	1.79	
DRO >C10-C28*	**10.9**	10.0	05/23/2025	ND	198	99.2	200	0.0192	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *117 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2025	Sampling Date:	05/19/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Shalyn Rodriguez
Project Location:	EXXON MOBIL		

Sample ID: BH25 - 08 @ 0' (H253080-06)

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	05/23/2025	ND	2.03	101	2.00	1.89	
Toluene*	<0.050	0.050	05/23/2025	ND	2.14	107	2.00	2.49	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.11	106	2.00	2.11	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.47	108	6.00	2.22	
Total BTEX	<0.300	0.300	05/23/2025	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	**304**	16.0	05/27/2025	ND	432	108	400	3.77	

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	05/23/2025	ND	213	107	200	1.79	
DRO >C10-C28*	**5400**	10.0	05/23/2025	ND	198	99.2	200	0.0192	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *244 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd Dr
City: Carlsbad State: NM Zip: 88220
Phone #: 575-200-6167 Fax #:
Project #: 25A-02656 Project Owner:
Project Name: Maverick compressor Station
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #:
Company: Exxon Mobil
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #: 575-988-2590
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEx (8021)	TPH 8015D (GRO, DRO, MRO)	Chloride
H253080																	
1	BH25-01@0'	G	1			X					X		5.19.25	12:40	X	X	X
2	BH25-03@0'													1:00			
3	BH25-04@0'													1:25			
4	BH25-05@0'													1:32			
5	BH25-06@0'													1:40			
6	BH25-08@0'													2:06			

Relinquished By: Date: 5.22.25 Time: 1400 Received By: S Rodriguez
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 1.4 Corrected Temp. °C 1.1
Sample Condition: Cool Yes No; Intact Yes No
CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☑ No Add'l Phone #:
All Results are emailed. Please provide Email address: Rarnold@vertexresource.com
chensley@vertexresource.com
REMARKS:

Turnaround Time: Standard ☑ Rush ☐ #140
Thermometer ID #113 Correction Factor -0.3°C +0.3
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

CARDINAL Laboratories

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

June 05, 2025

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: MAVERICK COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 05/30/25 12:34.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 01 @ 1' (H253248-01)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *117 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *116 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/28/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 02 @ 0' (H253248-02)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *116 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 02 @ 1' (H253248-03)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.8 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 03 @ 1' (H253248-04)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 04 @ 1' (H253248-05)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**480**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	**18.6**	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 04 @ 2' (H253248-06)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**176**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/28/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 05 @ 1' (H253248-07)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**208**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/28/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 06 @ 1' (H253248-08)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**96.0**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/28/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 07 @ 0' (H253248-09)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**80.0**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/28/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 07 @ 1' (H253248-10)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**368**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	188	93.9	200	1.23	
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 08 @ 1' (H253248-11)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**368**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	**463**	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/30/2025	Sampling Date:	05/29/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Tamara Oldaker
Project Location:	EXXON MOBIL		

Sample ID: BH 25 - 08 @ 2' (H253248-12)

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	05/31/2025	ND	1.79	89.4	2.00	8.17	
Toluene*	<0.050	0.050	05/31/2025	ND	1.95	97.3	2.00	6.98	
Ethylbenzene*	<0.050	0.050	05/31/2025	ND	1.81	90.7	2.00	7.89	
Total Xylenes*	<0.150	0.150	05/31/2025	ND	5.42	90.4	6.00	7.80	
Total BTEX	<0.300	0.300	05/31/2025	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	**192**	16.0	06/02/2025	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	05/30/2025	ND	194	97.2	200	0.426	
DRO >C10-C28*	**21.5**	10.0	05/30/2025	ND	188	93.9	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd dr
City: Carlsbad State: NM Zip: 88220
Phone #: 575-200-6167 Fax #:
Project #: Maverick compressor station Project Owner:
Project Name: 25A-02656
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #:
Company: Exxon Mobil
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #: 575-988-2390
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	BTEX (8021)	TPH 8015D(GRO, DRO, MRO)	Chloride
H253248																	
1	BH25-01 @ 1'	G	1			X					X		5.29.25	10:00	X	X	X
2	BH25-02 @ 0'												5.28.25	12:27			
3	BH25-02 @ 1'												5.29.25	10:32			
4	BH25-03 @ 1'												5.29.25	11:00			
5	BH25-04 @ 1'												5.29.25	11:27			
6	BH25-04 @ 2'												5.29.25	11:45			
7	BH25-05 @ 1'												5.28.25	12:46			
8	BH25-06 @ 1'												5.28.25	1:15			
9	BH25-07 @ 0'												5.28.25	1:22			
10	BH25-07 @ 1'												5.28.25	1:48			

Relinquished By: Date: 5-30.25 Time: 1234 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: Rarnold@VertexResource.com
CHensley@VertexResource.com
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 5.6 Corrected Temp. °C 5.9
Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No
CHECKED BY: (Initials) T.O.

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 #140
Correction Factor -0.3°C +0.3°C
Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C
5-30-25

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd dr
City: Carlsbad State: NM Zip: 88220
Phone #: 575-200-6107 Fax #:
Project #: 25A-02656 Project Owner:
Project Name: Maverick compressor station
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #:
Company: ExxonMobil
Attn: Colton Brown
Address: 3104E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #: 575-988-2390
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021	TPH 8015D(GRO/DRO/MRO)	Chloride
H253248																	
11	BH25-08@1'	G	1			X					X		5.29.25	12:20	X	X	X
12	BH25-08@2'	C	1			1					1		1	12:45	1	1	1

Relinquished By: Date: 5-30-25 Time: 1234 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: rarnold@vertexresource.com
CHensley@vertexresource.com
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 5.6 Corrected Temp. °C 5.9
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 #140
Correction Factor -0.5°C +0.3°
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

CARDINAL Laboratories

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

June 30, 2025

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: MAVERICK COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 06/24/25 13:59.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 01 @ 1' (H253792-01)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**272**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2025	ND	201	100	200	0.995	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	209	105	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *99.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 02 @ 1' (H253792-02)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2025	ND	201	100	200	0.995	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	209	105	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *94.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 03 @ 1' (H253792-03)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**80.0**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2025	ND	201	100	200	0.995	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	209	105	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 04 @ 1' (H253792-04)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/25/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2025	ND	201	100	200	0.995	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	209	105	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 05 @ 1' (H253792-05)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/25/2025	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	06/25/2025	ND	217	108	200	0.731	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	198	98.9	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *110 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 08 @ 1' (H253792-06)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/25/2025	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	06/25/2025	ND	217	108	200	0.731	
DRO >C10-C28*	**32.3**	10.0	06/25/2025	ND	198	98.9	200	0.839	
EXT DRO >C28-C36	**79.9**	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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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:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 09 @ 2' (H253792-07)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	**38.9**	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	**81.9**	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *107 %* *40.6-153*

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Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 10 @ 2' (H253792-08)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *86.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.3 %* *40.6-153*

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Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 11 @ 2' (H253792-09)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *99.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.4 %* *40.6-153*

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Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 12 @ 2' (H253792-10)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	**25.2**	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	**59.7**	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

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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:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 13 @ 2' (H253792-11)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

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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:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 14 @ 2' (H253792-12)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	**42.5**	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	**93.6**	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *108 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 15 @ 2' (H253792-13)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *97.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: WS25 - 01 @ 0-1' (H253792-14)

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	06/25/2025	ND	2.04	102	2.00	3.30	
Toluene*	<0.050	0.050	06/25/2025	ND	2.09	104	2.00	3.89	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.15	107	2.00	4.32	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.29	105	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *75.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: WS25 - 02 @ 0-1' (H253792-15)

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	06/25/2025	ND	2.06	103	2.00	0.533	
Toluene*	<0.050	0.050	06/25/2025	ND	2.14	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.16	108	2.00	4.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.60	110	6.00	4.08	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *97.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: WS25 - 03 @ 0-2' (H253792-16)

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	06/26/2025	ND	2.06	103	2.00	0.533	
Toluene*	<0.050	0.050	06/26/2025	ND	2.14	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.16	108	2.00	4.77	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.60	110	6.00	4.08	
Total BTEX	<0.300	0.300	06/26/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *89.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: WS25 - 04 @ 0-2' (H253792-17)

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	06/26/2025	ND	2.06	103	2.00	0.533	
Toluene*	<0.050	0.050	06/26/2025	ND	2.14	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.16	108	2.00	4.77	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.60	110	6.00	4.08	
Total BTEX	<0.300	0.300	06/26/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: WS25 - 05 @ 0-2' (H253792-18)

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	06/26/2025	ND	2.06	103	2.00	0.533	
Toluene*	<0.050	0.050	06/26/2025	ND	2.14	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.16	108	2.00	4.77	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.60	110	6.00	4.08	
Total BTEX	<0.300	0.300	06/26/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	**21.2**	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	**43.9**	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *88.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/24/2025	Sampling Date:	06/23/2025
Reported:	06/30/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BACKFILL 2 (H253792-19)

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	06/26/2025	ND	2.06	103	2.00	0.533	
Toluene*	<0.050	0.050	06/26/2025	ND	2.14	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	06/26/2025	ND	2.16	108	2.00	4.77	
Total Xylenes*	<0.150	0.150	06/26/2025	ND	6.60	110	6.00	4.08	
Total BTEX	<0.300	0.300	06/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/25/2025	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	06/25/2025	ND	208	104	200	3.56	
DRO >C10-C28*	<10.0	10.0	06/25/2025	ND	194	96.9	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	06/25/2025	ND					

Surrogate: 1-Chlorooctane *92.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd drive
City: Carlsbad State: NM Zip: 88220
Phone #: 575-200-6167 Fax #:
Project #: 25A-02656 Project Owner:
Project Name: Maverick compressor station
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #: 1083261001
Company: ExxonMobil
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #: 575-988-2510
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER	SAMPLING: DATE	TIME	BTEX	TPH	chloride
H253792-1	BS25-01 @ 1'	C	1			X					X		6.23.25	8:30	X	X	X
2	BS25-02 @ 1'													8:33			
3	BS25-03 @ 1'													8:34			
4	BS25-04 @ 1'													8:45			
5	BS25-05 @ 1'													8:52			
6	BS25-08 @ 1'													8:58			
7	BS25-09 @ 2'													9:20			
8	BS25-10 @ 2'													9:27			
9	BS25-11 @ 2'													10:00			
10	BS25-12 @ 2'													10:07			

Relinquished By: Date: 6.24.25 Time: 1359 Received By: apanas
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Observed Temp. °C 4.1 Corrected Temp. °C 4.4
Sampler - UPS - Bus - Other:
Sample Condition: Cool Yes No, Intact Yes No
CHECKED BY: (Initials) AP

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
chensley@vertexresource.com
REMARKS:
Rarnold@vertexresource.com
Turnaround Time: Standard ☑ Rush ☐ 6.24.25
Thermometer ID #113 #140
Correction Factor -0.5°C 0.3
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No, Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address:
City: State: Zip:
Phone #: Fax #:
Project #: 25A-02656 Project Owner:
Project Name: Maverick compressor station
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #: 10832600l
Company: ExxonMobil
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH	Chloride
H253792																	
11	BS25-13 @ 2'	C	1			X					X		6.23.25	11:00	X	X	X
12	BS25-14 @ 2'													11:15			
13	BS25-15 @ 2'													11:27			
14	WS25-01 @ 0-1'													11:38			
15	WS25-02 @ 0-1'													11:44			
16	WS25-03 @ 0-2'													11:56			
17	WS25-04 @ 0-2'													12:20			
18	WS25-05 @ 0-2'													12:26			
19	Backfill 2													1:00			

Relinquished By: Date: 6.24.25 Time: 1359 Received By: apanas
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Observed Temp. °C 4.1 Corrected Temp. °C 4.4
Sampler - UPS - Bus - Other:
Sample Condition: Cool Yes No, Intact Yes No
CHECKED BY: (Initials) AP

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
chensley@vertexresource.com
REMARKS:
Rarnold@vertexresource.com
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No, Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

FORM-006 R 3.6 02/12/25

CARDINAL Laboratories

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

June 27, 2025

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: MAVERICK COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 06/23/25 12:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 06 @ 1' (H253739-01)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BS25 - 07 @ 1' (H253739-02)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *71.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2025	Sampling Date:	06/19/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	MAVERICK COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	25A - 02656	Sample Received By:	Alyssa Parras
Project Location:	EXXON MOBIL		

Sample ID: BACKFILL (H253739-03)

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	06/25/2025	ND	2.12	106	2.00	7.85	
Toluene*	<0.050	0.050	06/25/2025	ND	2.23	111	2.00	6.76	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.26	113	2.00	5.77	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.99	116	6.00	5.02	
Total BTEX	<0.300	0.300	06/25/2025	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/24/2025	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	06/24/2025	ND	208	104	200	4.98	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	209	105	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane *71.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.1 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource
Project Manager: Chad Hensley
Address: 3101 Boyd drive
City: Carlsbad State: NM Zip: 88220
Phone #: 575-200-6167 Fax #:
Project #: 25A-02656 Project Owner:
Project Name: Maverick compressor Station
Project Location:
Sampler Name: Riley Arnold

BILL TO
P.O. #: 1083261001
Company: ExxonMobil
Attn: Colton Brown
Address: 3104 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #: 575-988-2580
Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
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	BTEX	TPH	Chloride
H253739																	
1	BS25-06@1'	C	1			X					X		6.9.25	12:00	X	X	X
2	BS25-07@1'	1	1			1					1		1	12:27	1	1	1
3	Backfill													1:00			

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: Date: 6.23.25 Time: 1218 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: Arnold@vertexresource.com
Chensley@vertexresource.com
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C
Corrected Temp. °C 2.7u 3.0c
Sample Condition Cool Yes Intact Yes
CHECKED BY: (Initials) AR
Turnaround Time: Standard Rush
Thermometer ID #113 #140
Correction Factor -0.5°C +0.3°
Bacteria (only) Sample Condition Cool Yes Intact Yes
Observed Temp. °C
Corrected Temp. °C

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

APPENDIX F: Depth to Groundwater Drilling

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

QQC 01 JUN 5 2024 PM1:30

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): C-4826	WELL TAG ID NO.:	OSE FILE NO(S.): C-4826-POD1
WELL OWNER NAME(S): XTO Energy		PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 3104 E. Greene Street		CITY: Carlsbad STATE: NM ZIP: 88220

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	06	18.7344	N
LONGITUDE	-103	48	04.230	W

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

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
5-29-24	5-29-24	55'	55'	N/A

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): 0' DATE STATIC MEASURED: 5-29-24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY: CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	45	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
45	55	6"	PVC 2" SCH40	Thread	2"	SCH40	.02

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None pulled and plugged		

FOR OSE INTERNAL USE

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

FILE NO. C-4826	POD NO. 1	TRN NO. 758878
LOCATION 25S.31E.29 421	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10'	Brown sand with caliche	Y ✓ N	
10	30	20'	Tan fine sand with small rock	Y ✓ N	
30	55	25'	Tan fine sand	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

Jason Maley

6. SIGNATURE

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

Jason Maley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

6/3/24 — DATE

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

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

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Phone: (505) 476-3441

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

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 483527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513433622**
Incident Name	**NAPP2513433622 MAVERICK COMPRESSOR STATION @ 0**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Maverick Compressor Station
Date Release Discovered	05/12/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Equipment Failure | Gas Compressor Station | Lube Oil | Released: 7 BBL | Recovered: 1 BBL | Lost: 6 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 483527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 05/14/2025

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 483527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	544
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5400
GRO+DRO (EPA SW-846 Method 8015M)	5400
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	06/19/2025
On what date will (or did) the final sampling or liner inspection occur	06/19/2025
On what date will (or was) the remediation complete(d)	06/23/2025
What is the estimated surface area (in square feet) that will be reclaimed	2760
What is the estimated volume (in cubic yards) that will be reclaimed	102
What is the estimated surface area (in square feet) that will be remediated	2760
What is the estimated volume (in cubic yards) that will be remediated	102
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 483527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	OWL LANDFILL JAL [fJEG1635837366]
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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 07/10/2025
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.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

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	Action Number: 483527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**476970**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/25/2025**
What was the (estimated) number of samples that were to be gathered	**14**
What was the sampling surface area in square feet	**2644**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2760
What was the total volume (cubic yards) remediated	102
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2760
What was the total volume (in cubic yards) reclaimed	102
Summarize any additional remediation activities not included by answers (above)	see report

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 07/10/2025

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QUESTIONS (continued)

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	Action Number: 483527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 483527

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediaton Closure is approved.	7/18/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/18/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/18/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	7/18/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/18/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	7/18/2025