



EAST VACUUM (GSA) UNIT #006
nT01418156731

PREPARED BY SAPEC-ECO, LLC.
PREPARED FOR MAVERICK PERMIAN, LLC.

Proposed Sampling and Remediation Work Plan

April 25, 2025



Attn: NMOCD District 1
1625 N French Dr.
Hobbs, NM 88240

Re: Proposed Sampling and Remediation Work Plan
NMOCD Incident Number: **nT01418156731**
East Vacuum (GSA) Unit #006 API No. 30-025-32062
Unit C, Section 33, Township 17S, Range 35E 900 FNL 1860 FWL Lea County, NM
GPS Coordinates: Latitude 32.7962151 Longitude -103.4652328 NAD83

Sapec-Eco (Sapec) has been contracted by Maverick Permian, LLC. (Maverick) to review and research this historic incident then prepare this proposed sampling and remediation work plan for a crude oil release that occurred at the East Vacuum (GSA) Unit #006 (Site). This incident was assigned Incident ID nT01418156731 by the New Mexico Oil Conservation Division (NMOCD).

Release Information - nT01418156731

The initial Form C-141 was submitted on June 27, 2014 (Appendix A) and stated that "On Tuesday June 17, 2014 @ 1400 hrs. MST @ the EVGSAU 3308-006, an accidental discharge of 7.27 BO occurred. MSO received a call from another MSO that the O-ring and rams failed in the stuffing box, causing a release. The spill area was 23 ft. X 27 ft. X 0.5 inches deep, all on the caliche pad. MSO turned off well and closed tubing and casing to isolate well. MSO submitted a work order to repair the stuffing box. The spill area will be remediated according to NMOCD requirements. The spill area was 23 ft. X 27 ft. X 0.5 inches deep, all on the caliche pad. The spill area will be remediated according to NMOCD requirements." This initial Form C-141 was approved by the NMOCD June 30, 2014.

Site Characterization

This Site is in Lea County, NM, approximately eleven (11) miles southwest of Lovington, NM. The wellhead and release area area in Unit C, Section 33, Township 17S, Range 35E, at 32.7962151 degrees latitude and -103.4652328 degrees longitude. A Location Map is included for reference in Figure 5.

The New Mexico Bureau of Geology and Mineral Resources shows the geology at this Site includes Ogallala Formation. Alluvial and eolian deposits, and petrocalcic soils of the southern High Plains. Locally includes Qoa. A Geologic Unit Map can be found in Appendix C.

The soil type present at the Site is Kimbrough-Lea complex, dry, 0 to 3 percent slopes. The drainage class is well drained. Soil type information is according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The Soil Survey and a Soil Map can be referenced in Appendix C. Reference Figure 4 for a Topographic Map.

The Site resides in a low karst zone and is approximately 26.25 miles away from the nearest medium karst zone. Figure 3 refers to the Karst Map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 90 feet below grade surface (bgs). This information is recorded by L-04829-S5 which is situated approximately 0.31 miles away from the Site. This information is from 1981. The United States Geological Survey (USGS) offers the site USGS 324720103280101 17S.35E.33.13321 which shows depth to the nearest groundwater is 61 feet bgs. The latest gauge of this site was conducted in 1981, and it is located approximately 0.32 miles from the Site.

The nearest surface water feature is an Unnamed Pond, and it is located approximately 2.43 miles to the northwest. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the Site to be surrounded on all sides by a Freshwater Pond. According to Fema's National Flood Hazard Layer search, the Site is situated in Zone D - Area of Undetermined Flood Hazard and is greater than 5 miles away from the nearest flood hazard zone. See Appendix B for referenced Water Surveys and Water-Related Maps.

Readily available data were reviewed to determine if the Site lies within biologically sensitive areas. The U.S. Fish and Wildlife Services (USFWS) Information for Planning and Consultation (IPaC) and the New Mexico Department of Game and Fish (NMDGF) Environmental Review Tool (ERT) were queried to determine if sensitive wildlife or plant areas are present

at the Site. The Site is not identified to be within biologically sensitive areas where remediation/reclamation would impact sensitive plant or wildlife habitats. A Special Status Plant/Wildlife Map is included in Figure 2.

The remediation area at the Site is in previously disturbed and undisturbed areas developed for oil and gas extraction; therefore, a cultural resource survey will be required in the pasture area at the Site for planned remediation activities. The requirements of the Cultural Properties Protection (CCP) Rule will be followed.

Assessment and Delineation Activities

"At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on June 2, 2020 at the release area to evaluate current conditions at the Site. The formerly impacted area was identified from the description in the C-141. Photographic documentation from the visual assessment is included as Attachment C. A list of observations made during the records review and visual Site inspection follow:

- Review of available historical aerial imagery revealed no evidence of impact in the reported release location.
- The release was located within the boundaries of a playa lake. No impact to the playa lake or any surrounding pasture areas was observed during the visual inspection.
- De minimis surficial staining typical of active oil and gas operations was noted in the vicinity of the release point on the lease pad during the June 2020 visual Site inspection.
- Given the historical nature of this incident and the reported release extent, it is unlikely that the staining observed is related to the 2014 release.
- Per the C-141, the formerly impacted release footprint is restricted to active oil and gas production areas at the caliche pad location.."

On October 15, 2020, ConocoPhillips submitted a Closure Letter Report for this incident. This report was denied by the NMOCD on April 17, 2023. This documentation is available for reference in Appendix E.

Proposed Sampling & Remediation Activities

In response to the previously denied Closure Letter Report, Maverick would like to propose the following:

- The area of concern measures approximately 630 square feet and is entirely on the pad surface surrounding the wellhead.
- Collect discrete samples from within and around the edges of the release area to evaluate the presence of contaminants. Twenty (20) samples will be collected from 4 different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Twenty (20) samples will be collected from 4 different sample points around the edges of the release area from depths of surface, 1', 2', 3', and 4' bgs.
- All samples will be put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories where they will be analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC.
- A 48-hour sampling notification will be issued to the NMOCD for these sampling events. A variance request is included below for permission to use the delineation samples as confirmation samples depending on the sample results of the soil. A Proposed Sample Map referencing the release area and the previously remediated area can be found in Figure 1.
- If any samples do not verify delineation, then the "step-out" method will be used for horizontal delineation samples until sample results can confirm delineation. Also, for vertical delineation samples, any samples not verifying delineation will be advanced deeper until sample results can confirm delineation.
- Sample results that are over the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 will be measured for total area and affected volume then removed via mechanical excavation means. The contaminated soil will be hauled to an NMOCD-approved disposal facility and clean, like material will be brought to the Site for backfilling the excavated area. Ensuring the top layer will be topsoil suitable for seeding.
- Once all sample results confirm delineation is complete, and contamination isn't present or has been removed, a remediation closure report will be drafted and submitted to the NMOCD Pay Portal for review/approval.

Variance Request

Maverick would like to respectfully request to use the delineation samples as confirmation samples in the event the laboratory samples results confirm that no contamination is present at any or all of the sample points. Maverick will diligently remediate all contaminants found that have reported results being over the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Chlorides should be no more than 600 mg/kg. TPH



(GRO+DRO+ORO) should be no more than 100 mg/kg. BTEX should be no more than 50 mg/kg. Benzene should be no more than 10 mg/kg.

Once official verification is received that contaminants are not present, or have been successfully removed from all areas within and around the Site, a remediation closure report will be drafted and submitted for approval.

Request for Proposed Sampling & Remediation Work Plan Approval

Maverick requests that this proposed sampling & remediation work plan for incident ID nT01418156731 be approved. All rules and regulations set forth in 19.15.29.12 NMAC have been complied with.

For questions or additional information, please reach out to:

Maverick Permian – Bryce Wagoner – Bryce.Wagoner@mavresources.com – (928) 241-1862

Sapec-Eco, LLC – Tom Bynum – tombynum@sapec-eco.com – (580) 748-1613

Attachments

Figures:

- 1- Proposed Sample Map
- 2- Special Status Plant/Wildlife Map
- 3- Karst Map
- 4- Topographic Map
- 5- Location Map

Appendices:

- Appendix A – Initial Form C-141
- Appendix B – Water Surveys & Water-Related Maps
- Appendix C – Soil Surveys, Soil Map, & Geologic Unit Map
- Appendix D – Photographic Documentation
- Appendix E – Closure Letter Report 2020



Figures:

Proposed Sample Map

Special Status Plant/Wildlife Map

Karst Map

Topographic Map

Location Map

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-32062
Lea County, NM
nTO1418156731
Proposed Sample Map

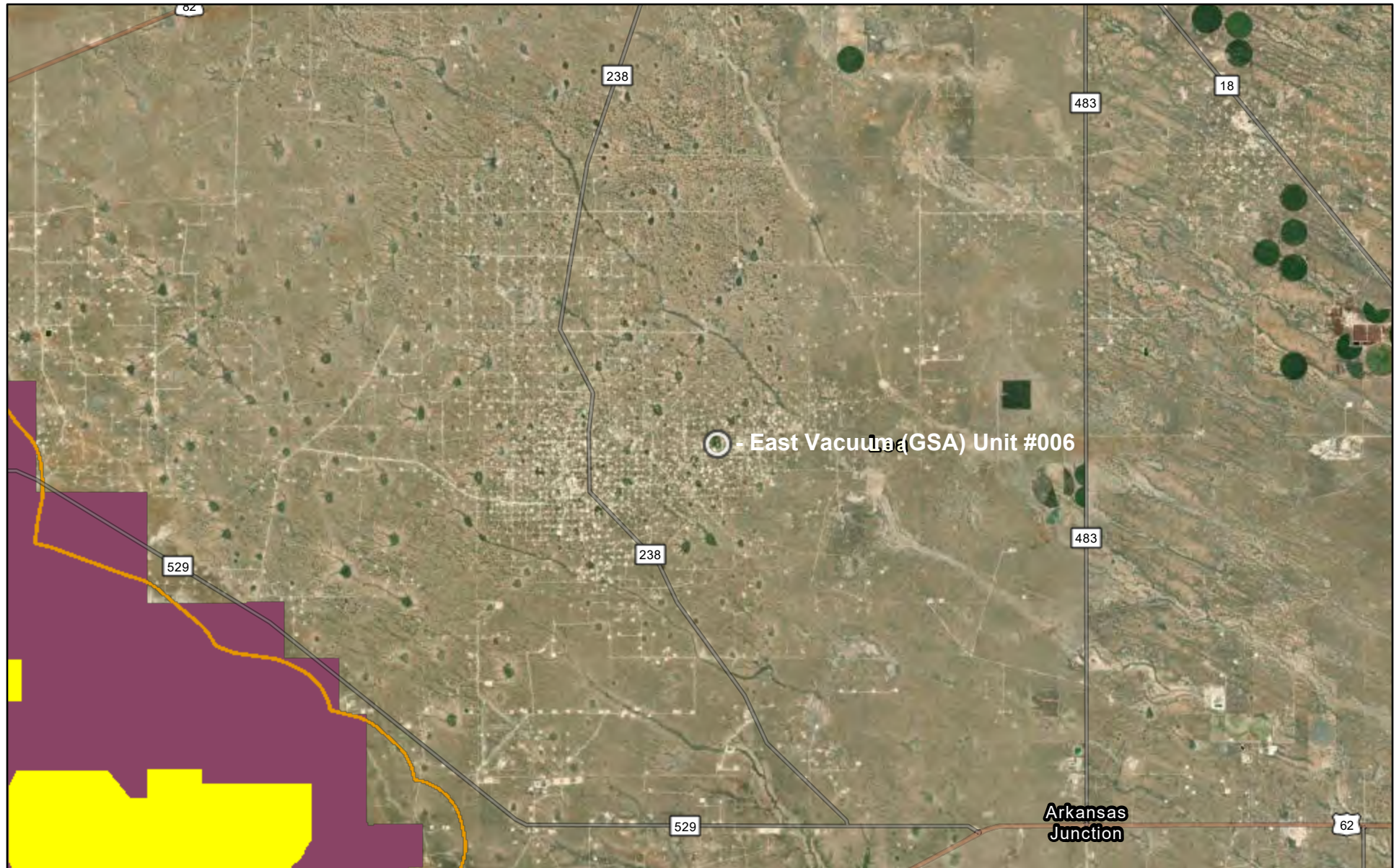
Legend

- Proposed horizontal samples
- Proposed vertical samples
- Release area - 630 sqft



Google Earth

Special Status Plant/Wildlife Map

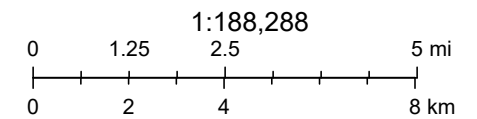


4/21/2025

- Dunes Sage Brush Lizard Habitat
- Lesser Prairie Chicken Habitat
- Habitat Evaluation Area
- Isolated Population Area

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

Citations
38m Resolution Metadata






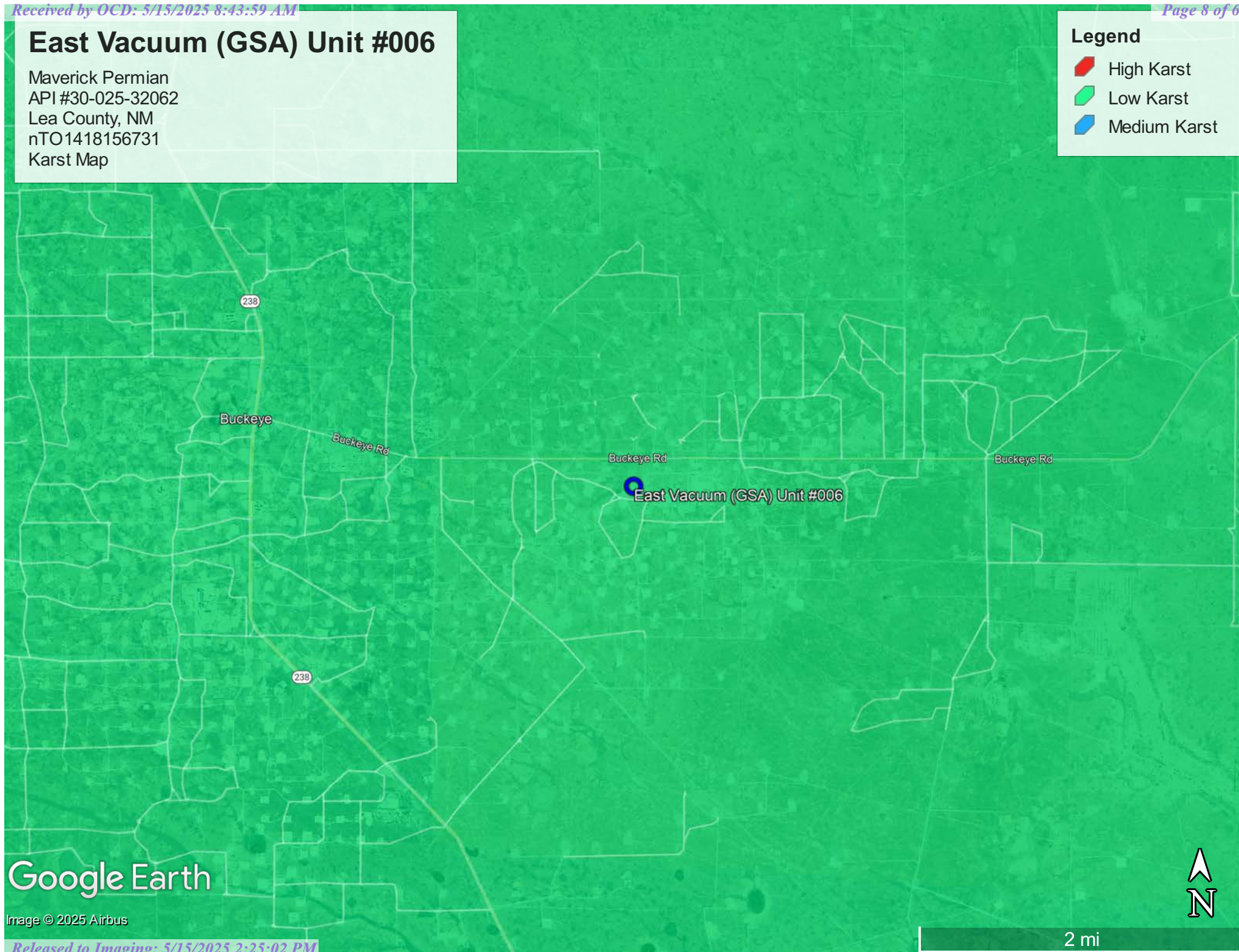
Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-32062
Lea County, NM
nTO1418156731
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

Image © 2025 Airbus

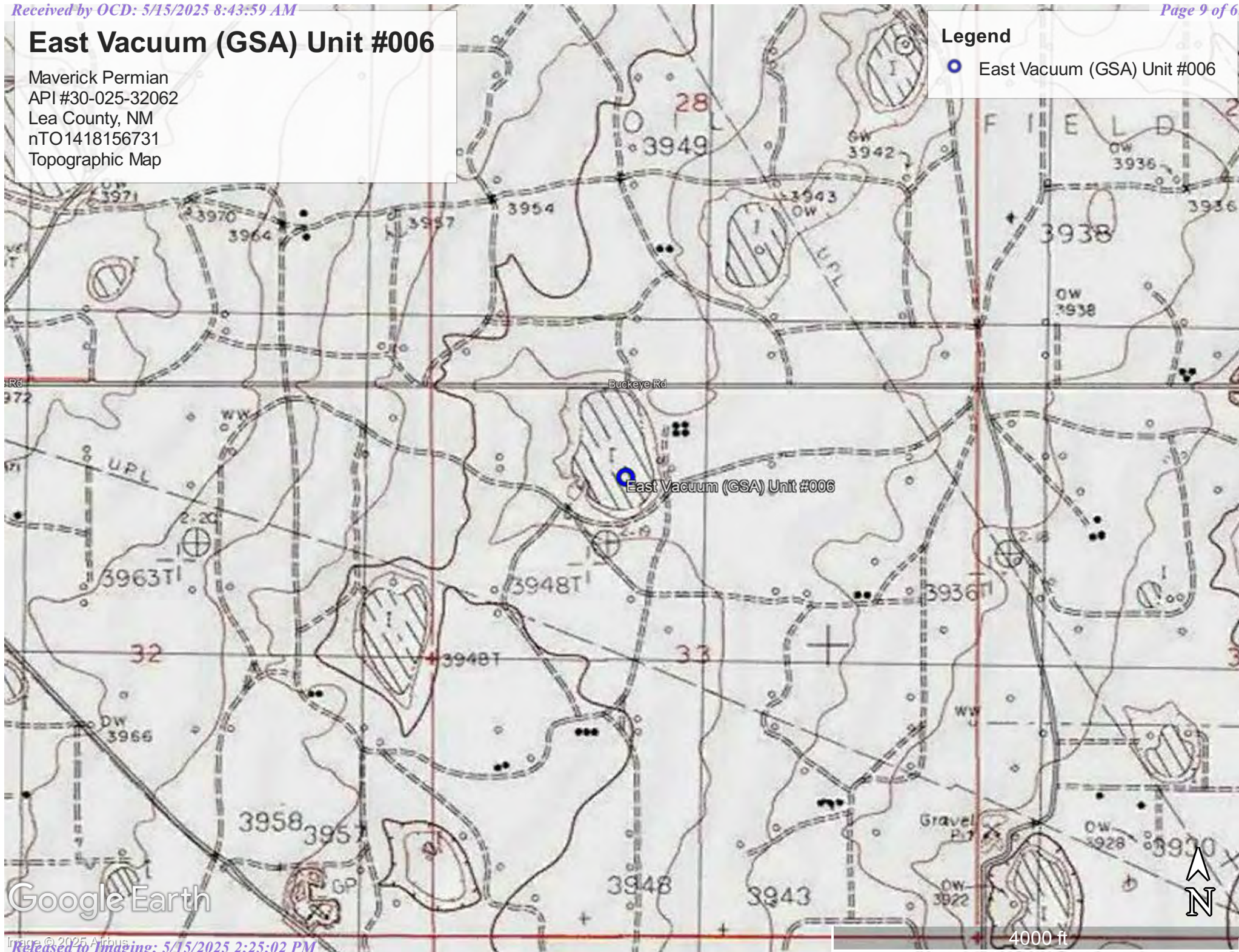
2 mi

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-32062
Lea County, NM
nTO1418156731
Topographic Map

Legend

● East Vacuum (GSA) Unit #006



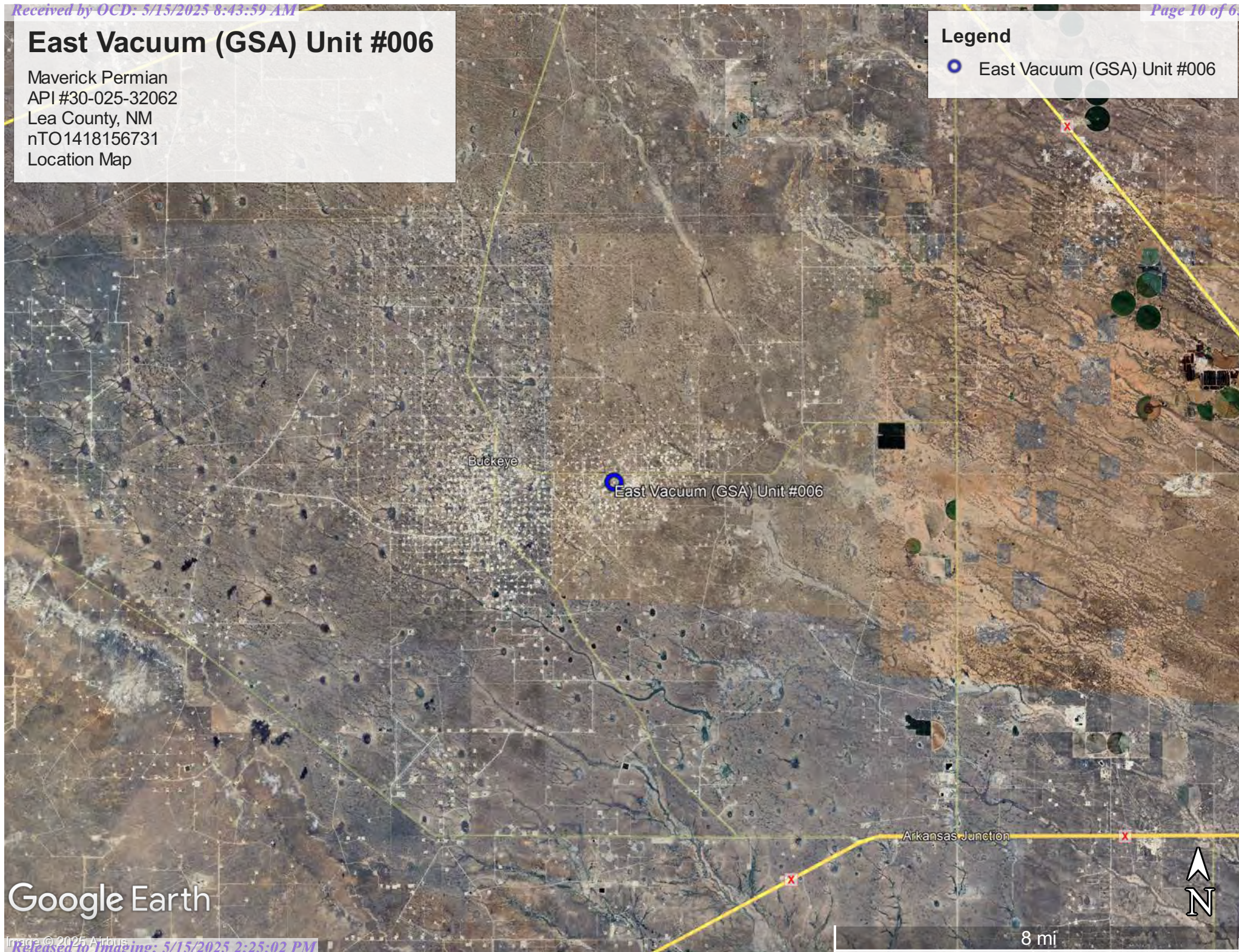
Google Earth

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-32062
Lea County, NM
nTO1418156731
Location Map

Legend

- East Vacuum (GSA) Unit #006



Google Earth



Appendix A

Initial Form C-141

State of New Mexico
Energy Minerals and Natural Resources

JUN 27 2014

Form C-141
Revised August 8, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Spencer Cluff
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143
Facility Name: EVGSAU Well 3308-006	Facility Type: Oil Well

Surface Owner: NMOCD	Mineral Owner NMOCD	API No. 3002532062
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LOCATION OF RELEASE

Unit Letter C	Section 33	Township 17S	Range 35E	Feet from the 900	North/South Line North	Feet from the 1860	East/West Line West	County LEA
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Latitude **32.7962127697422** Longitude - **103.465196780244**

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 7.2 BBLS	Volume Recovered: 0 BBLS
Source of Release: Stuffing Box	Date and Hour of Occurrence 6/17/2014 2:00 p.m.	Date and Hour of Discovery 6/17/2014 2:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Spencer Cluff	Date and Hour: 06/27/2014 4:15 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Tuesday June 17, 2014 @ 1400 hrs. MST @ the EVGSAU 3308-006, an accidental discharge of 7.27 BO occurred. MSO received a call from another MSO that the O-ring and rams failed in the stuffing box, causing a release. The spill area was 23 ft. X 27 ft. X 0.5 inches deep, all on the caliche pad. MSO turned off well and closed tubing and casing to isolate well. MSO submitted a work order to repair the stuffing box. The spill area will be remediated according to NMOCD requirements.

Describe Area Affected and Cleanup Action Taken.* The spill area was 23 ft. X 27 ft. X 0.5 inches deep, all on the caliche pad. The spill area will be remediated according to NMOCD requirements.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Spencer A. Cluff		OIL CONSERVATION DIVISION	
Printed Name: Spencer A. Cluff		Approved by Environmental Specialist:	
Title: LEAD HSE		Approval Date: 6-30-14	Expiration Date: 9-1-14
E-mail Address: spencer.a.cluff@conocophillips.com		Conditions of Approval: Site Samples regardless Deliver & Remediate Site as per NMOCD Guides. Submit form	Attached <input type="checkbox"/> 6-14-3127
Date: 06/27/2014	Phone: 575-391-3143	C-141 by 9-1-14.	

* Attach Additional Sheets If Necessary

09114 217817
8701418 156981

JUL 01 2014



Appendix B

Water Surveys

Water-Related Maps



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

												(meters)		(In feet)		
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
L 04829 S5		L	LE		SW	NW	33	17S	35E	643347.0	3629400.0 *		494	220	90	130
L 04578		L	LE				33	17S	35E	643962.0	3629198.0 *		596	126	60	66
L 04880		L	LE		NE	SW	33	17S	35E	643757.0	3629002.0 *		737	145	90	55
L 05362		L	LE	SW	SE	SE	28	17S	35E	644444.0	3630117.0 *		827	140	80	60
L 04633		L	LE		NE	SE	33	17S	35E	644564.0	3629010.0 *		1123	130	65	65
L 05834	R	L	LE	NE	NE	SE	33	17S	35E	644663.0	3629109.0 *		1143	160	70	90
L 10297		L	LE		NW	NW	34	17S	35E	644955.0	3629819.0 *		1249	150	42	108
L 05834 POD5		L	LE	NE	NE	SE	33	17S	35E	644751.9	3629029.3		1261	234	65	169
L 04586		L	LE	SW	SW	SE	33	17S	35E	644065.0	3628502.0 *		1286	125	50	75
L 04829 S3		L	LE	NW	SW	NW	28	17S	35E	643222.0	3631111.0 *		1456	215	70	145
L 04631		L	LE	NE	NW	NW	04	18S	35E	643465.0	3628292.0 *		1466	140	60	80

Average Depth to Water: 67 feet

Minimum Depth: 42 feet

Maximum Depth: 90 feet

Record Count: 11

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 643708.26

Northing: 3629737.79

Radius: 01500

* UTM location was derived from PLSS - see Help

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

OSE POD Location Map



4/21/2025, 3:29:19 PM

GIS WATERS PODs

- Active
- Inactive

- Plugged
- New Mexico State Trust Lands

Plugged

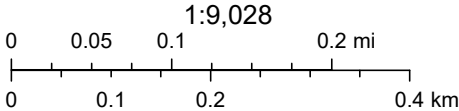


OSE District Boundary

New Mexico State Trust Lands



Both Estates



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



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 324720103280101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324720103280101 17S.35E.33.13321

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°47'35", Longitude 103°28'10" NAD27

Land-surface elevation 3,952.00 feet above NGVD29

The depth of the well is 220 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

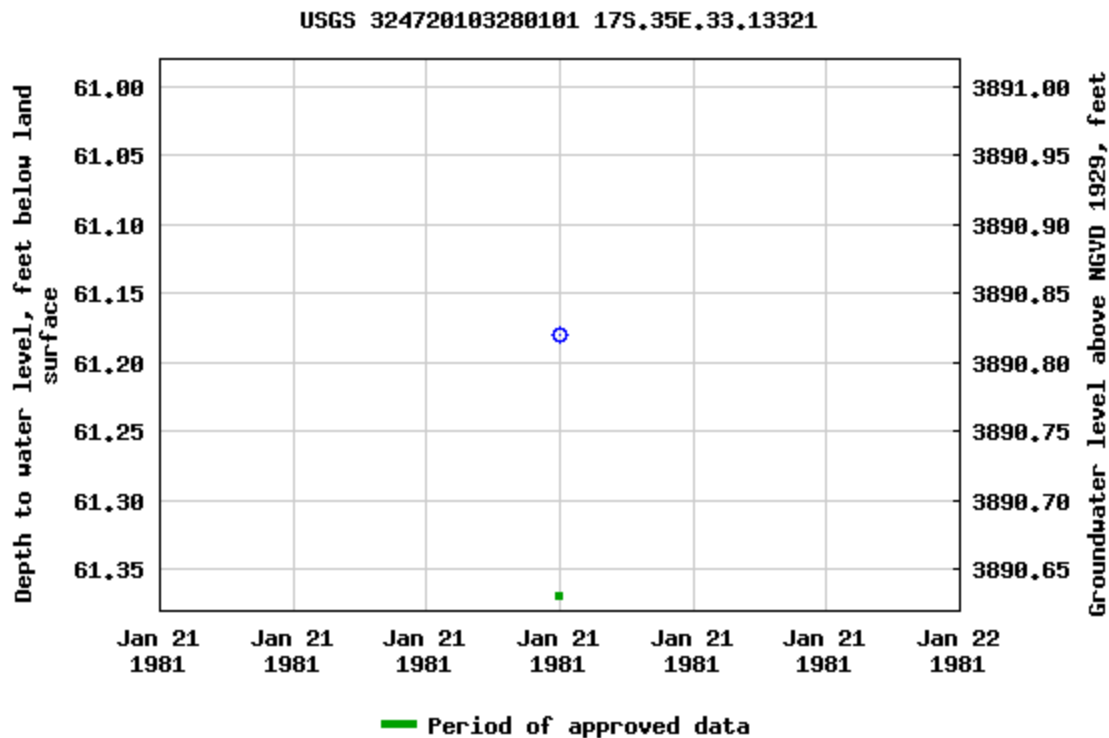
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



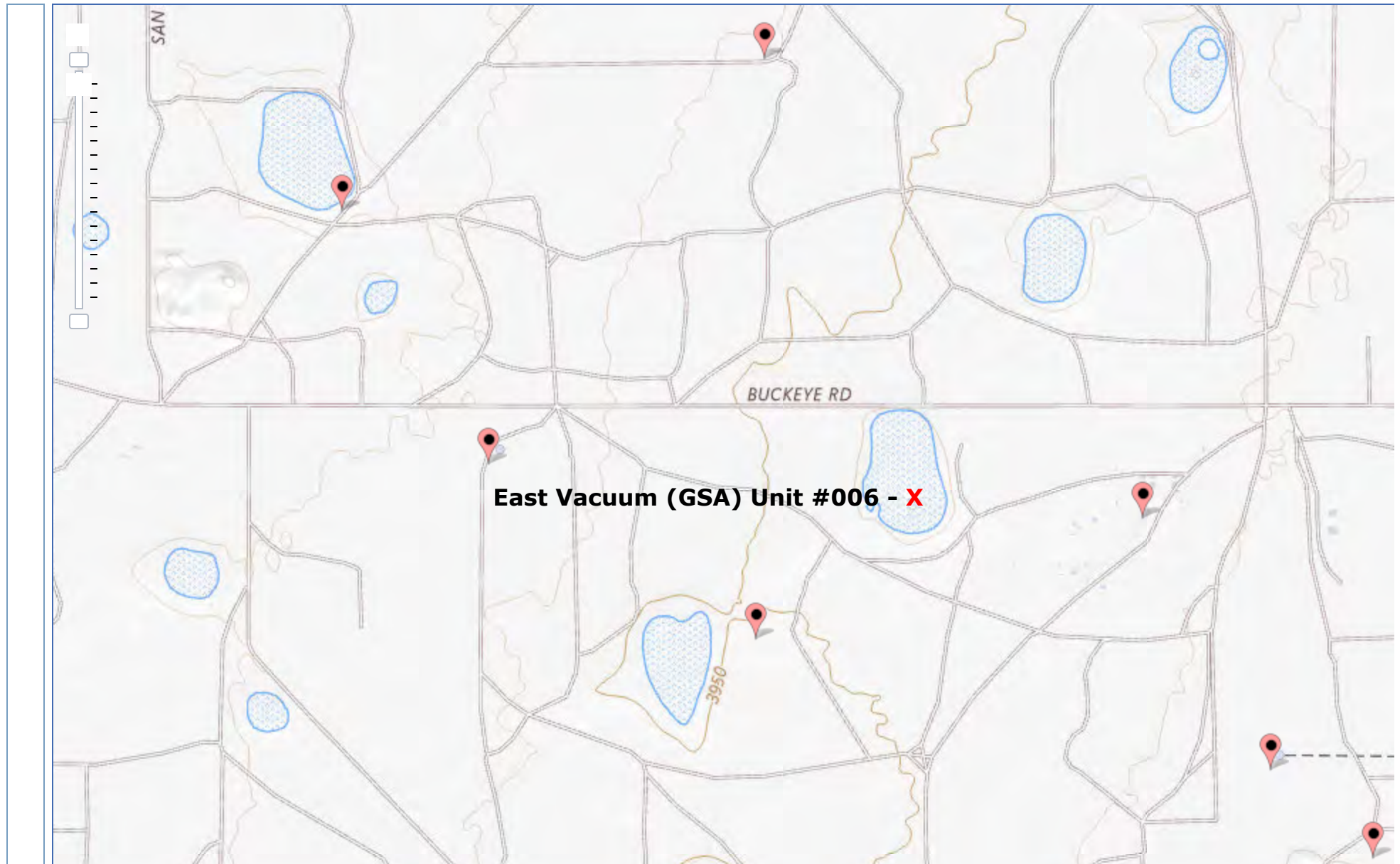
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-04-21 16:41:53 EDT

0.6 0.43 nadww02



National Water Information System: Mapper

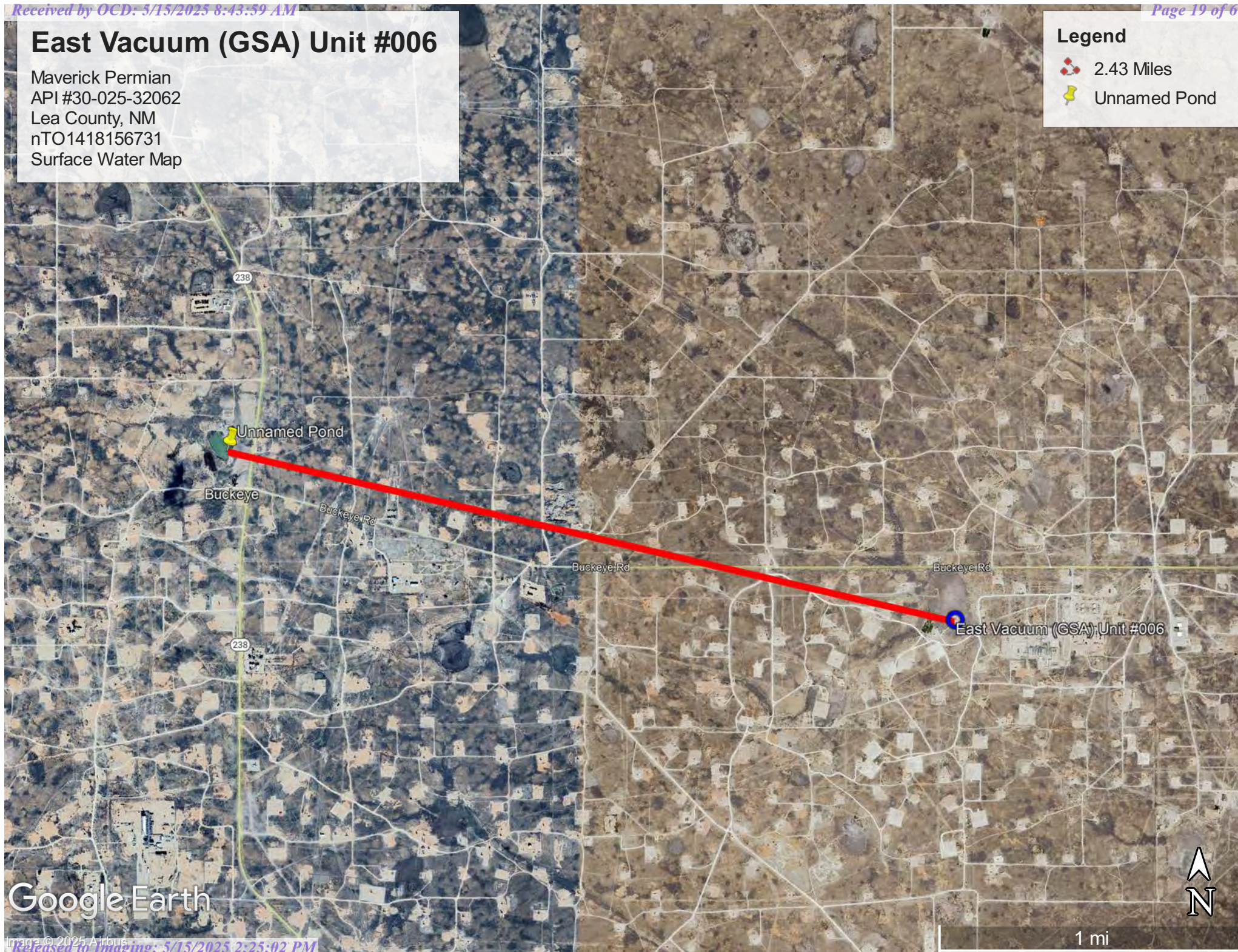


East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-32062
Lea County, NM
nTO1418156731
Surface Water Map

Legend

- 2.43 Miles
- Unnamed Pond



Google Earth



Wetlands Map



April 21, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°28'14"W 32°48'1"N



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

1:6,000

103°27'36"W 32°47'31"N

Released to Imaging: 5/15/2025 2:25:02 PM

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		Cross Sections with 1% Annual Chance Water Surface Elevation
		Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/21/2025 at 8:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C

Soil Surveys

Soil Map

Geologic Unit Map

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46

Elevation: 2,500 to 4,800 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent

Lea and similar soils: 25 percent

Minor components: 30 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Concave, linear

Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam

Bw - 3 to 10 inches: loam

Bkkm1 - 10 to 16 inches: cemented material

Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 4 to 18 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 95 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Kenhill

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY038TX - Clay Loam 12-17" PZ

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024



Soil Map—Lea County, New Mexico



Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

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

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

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






Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0.9	100.0%
Totals for Area of Interest		0.9	100.0%

East Vacuum (GSA) Unit #006

Maverick Permian
API #30-025-32062
Lea County, NM
nTO1418156731
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Ogallala Formation
-  Piedmont alluvial deposits

Buckeye

East Vacuum (GSA) Unit #006

Google Earth

Image © 2025 Airbus

5 mi





Appendix D

Photographic Documentation





Appendix E

Closure Letter Report 2020



October 16, 2020

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505

**Subject: Closure Letter Report
ConocoPhillips
1RP-3127
EVGSAU Well 3308-006 Wellhead Release
PLSS Unit Letter C, Section 33, Township 17 South, and Range 35 East
Lea County, New Mexico**

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips East Vacuum Grayburg-San Andres Unit (EVGSAU) Well 3308-006 (API No. 30-025-32062) is located approximately 2.4 miles east of Buckeye in Lea County, New Mexico. The well is located in the Public Land Survey System (PLSS) Unit Letter C, Section 33, Township 17 South, and Range 35 East. The coordinates of the release area (Site) are 32.79621°, -103.46519° (Figure 1).

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on June 17, 2014 the O-ring and rams failed in the stuffing box of the EVGSAU 3308-006 wellhead, leading to a release of 7.27 barrels (bbls) of oil. The release affected a 23-foot (ft) by 27-ft by 0.5-inch-deep area of caliche pad (Figure 1). No volume of the released fluids was reported recovered on the C-141. The initial C-141 was submitted to the New Mexico Oil Conservation Division (NMOCD) on June 27, 2014, who subsequently assigned the release the Remediation Permit (RP) number 1RP-3127.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area. The release area is located within the boundaries of a playa lake.

Based on data from the New Mexico Office of the State Engineer (NMOSE), there are three (3) water wells located within an 800-meter radius (approximately ½-mile) of the release location. The average depth to groundwater is 80 feet. The site characterization data is shown in Attachment B.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

TETRA TECH

8911 N. Capital of Texas Hwy, Building 2, Suite 2310, Austin, TX, 78759

Tel 512-338-1667 Fax 512-338-1331 www.tetrattech.com

Bradford Billings
NMOCD
October 16, 2020

Based on the Site's location within a playa lake, the RRALs for the Site are as follows:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO + ORO): 100 mg/kg;
- Chloride: 600 mg/kg.

VISUAL SITE INSPECTION SUMMARY

At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on June 2, 2020 at the release area to evaluate current conditions at the Site. The formerly impacted area was identified from the description in the C-141. Photographic documentation from the visual assessment is included as Attachment C. A list of observations made during the records review and visual Site inspection follow:

- Review of available historical aerial imagery revealed no evidence of impact in the reported release location.
- The release was located within the boundaries of a playa lake. No impact to the playa lake or any surrounding pasture areas was observed during the visual inspection.
- De minimis surficial staining typical of active oil and gas operations was noted in the vicinity of the release point on the lease pad during the June 2020 visual Site inspection.
- Given the historical nature of this incident and the reported release extent, it is unlikely that the staining observed is related to the 2014 release.
- Per the C-141, the formerly impacted release footprint is restricted to active oil and gas production areas at the caliche pad location.

CONCLUSION

According to the C-141, the release footprint was restricted to the caliche pad location. Based on a review of available aerial imagery and the June 2020 visual Site inspection, no existing evidence of impact was observed in the vicinity of the release point. Therefore, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at christian.llull@tetrattech.com.

Sincerely,



Christian M. Llull
Project Manager
Tetra Tech, Inc.

TETRA TECH

FIGURES



ATTACHMENT A C-141 Forms

State of New Mexico
Energy Minerals and Natural Resources

JUN 27 2014

Form C-141
Revised August 8, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Spencer Cluff
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143
Facility Name: EVGSAU Well 3308-006	Facility Type: Oil Well

Surface Owner: NMOCD	Mineral Owner NMOCD	API No. 3002532062
-----------------------------	----------------------------	---------------------------

LOCATION OF RELEASE

Unit Letter C	Section 33	Township 17S	Range 35E	Feet from the 900	North/South Line North	Feet from the 1860	East/West Line West	County LEA
-------------------------	----------------------	------------------------	---------------------	-----------------------------	----------------------------------	------------------------------	-------------------------------	----------------------

Latitude **32.7962127697422** Longitude - **103.465196780244**

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 7.2 BBLS	Volume Recovered: 0 BBLS
Source of Release: Stuffing Box	Date and Hour of Occurrence 6/17/2014 2:00 p.m.	Date and Hour of Discovery 6/17/2014 2:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Spencer Cluff	Date and Hour: 06/27/2014 4:15 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Tuesday June 17, 2014 @ 1400 hrs. MST @ the EVGSAU 3308-006, an accidental discharge of 7.27 BO occurred. MSO received a call from another MSO that the O-ring and rams failed in the stuffing box, causing a release. The spill area was 23 ft. X 27 ft. X 0.5 inches deep, all on the caliche pad. MSO turned off well and closed tubing and casing to isolate well. MSO submitted a work order to repair the stuffing box. The spill area will be remediated according to NMOCD requirements.

Describe Area Affected and Cleanup Action Taken.* The spill area was 23 ft. X 27 ft. X 0.5 inches deep, all on the caliche pad. The spill area will be remediated according to NMOCD requirements.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Spencer A. Cluff		OIL CONSERVATION DIVISION	
Printed Name: Spencer A. Cluff		Approved by Environmental Specialist:	
Title: LEAD HSE	Approval Date: 6-30-14	Expiration Date: 9-1-14	
E-mail Address: spencer.a.cluff@conocophillips.com	Conditions of Approval: Site Samples required Deliver & Remediate Site as per NMOCD Guides. Submit Form		Attached <input type="checkbox"/>
Date: 06/27/2014	Phone: 575-391-3143	6-14-3127	

* Attach Additional Sheets If Necessary

C-141 by 9-1-14.

09114 217817
8701418 156981

JUL 01 2014

Incident ID	NT01418156731
District RP	1RP-3127
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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.

Printed Name: Charles BeauvaisTitle: Environmental CoordinatorSignature: Charles R. Beauvais IIDate: 10/15/2020email: charles.r.beauvais@conocophillips.comTelephone: 575-988-2043

OCD Only

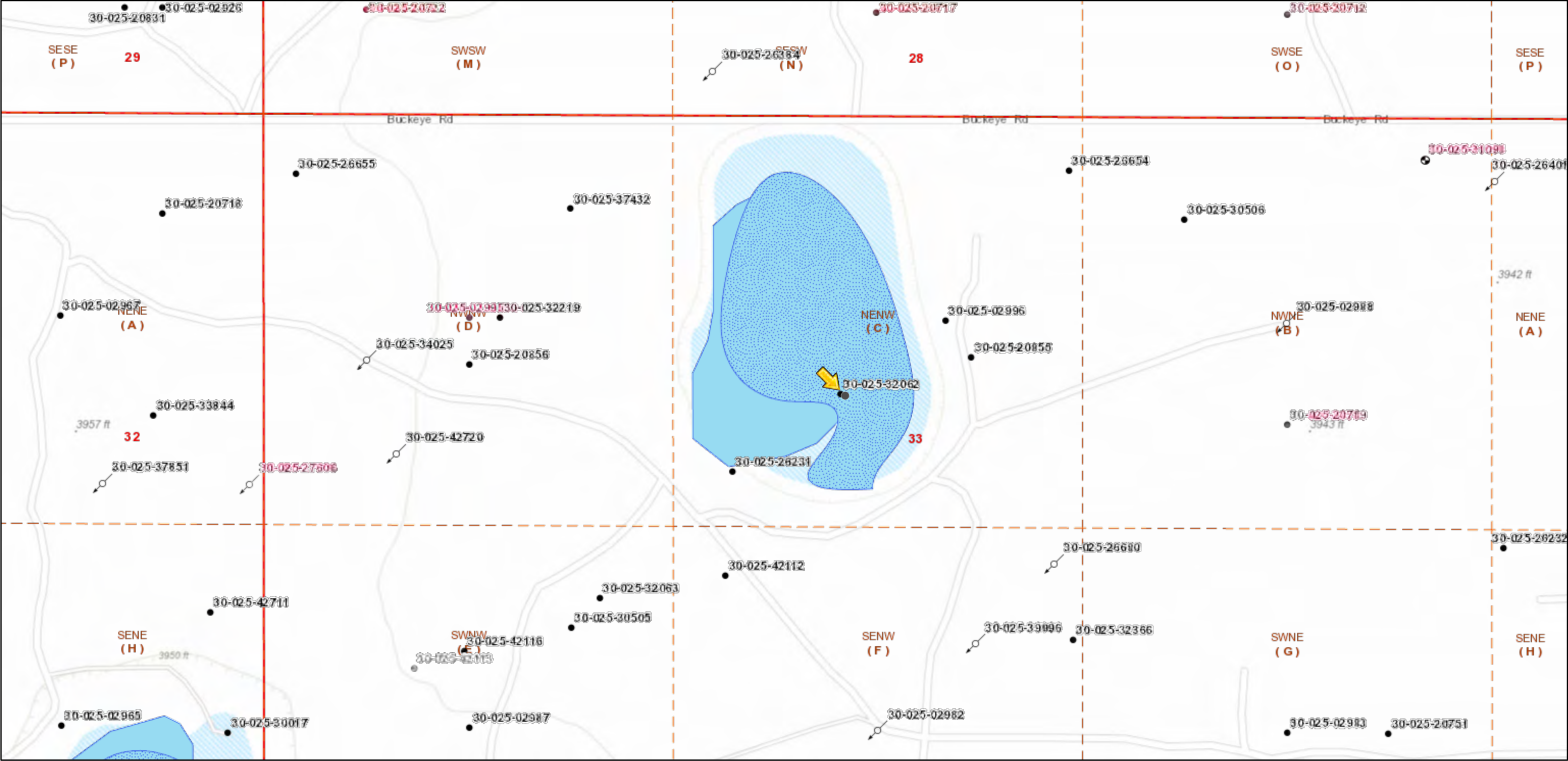
Received by: Jocelyn HarimonDate: 04/17/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: closure not approvedDate: 04/17/2023Printed Name: Jocelyn HarimonTitle: Environmental Specialist

ATTACHMENT B
Site Characterization Data

1RP-3127



7/28/2020, 9:24:38 AM

- Override 1

CO2, New

Gas, Plugged

Injection, Temporarily Abandoned

Salt Water Injection, Active
- Wells - Large Scale

CO2, Plugged

Gas, Temporarily Abandoned

Oil, Active

Salt Water Injection, Cancelled
- undefined

CO2, Temporarily Abandoned

Oil, Cancelled

Salt Water Injection, New
- Miscellaneous

Gas, Active

Injection, Active

Salt Water Injection, Plugged
- CO2, Active

Gas, Cancelled

Injection, Cancelled

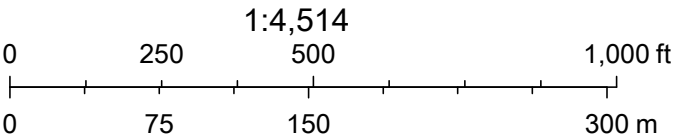
Salt Water Injection, Temporarily Abandoned
- CO2, Cancelled

Gas, New

Injection, New

Water, Active
- Gas, Plugged

Oil, Temporarily Abandoned



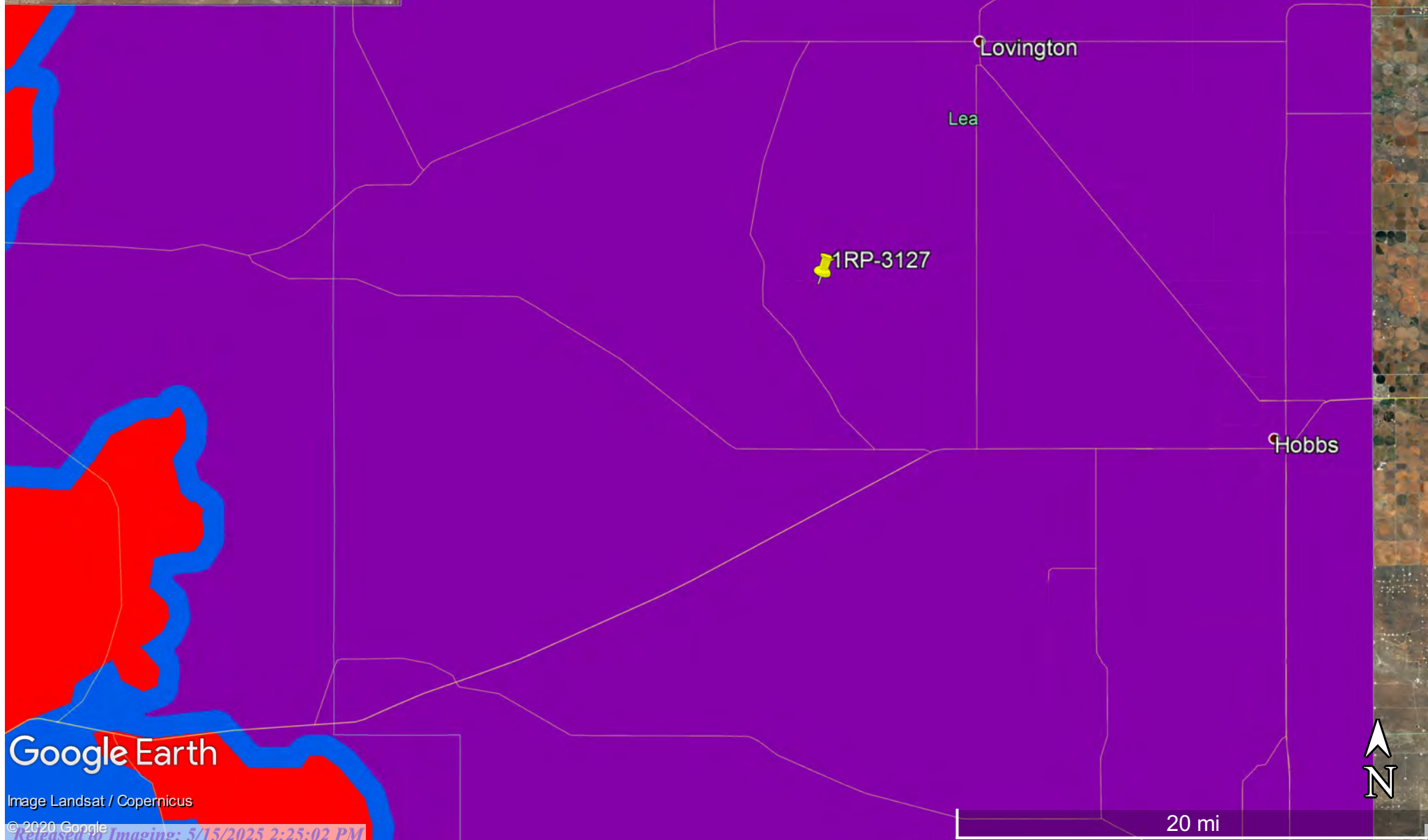
Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

KARST POTENTIAL MAP

1RP-3127

Legend

-  1RP-3127
-  High
-  Low
-  Medium



Google Earth

Image Landsat / Copernicus

© 2020 Google

Released to Imaging: 5/15/2025 2:25:02 PM



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced,
O=orphaned,

C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 6	Q 4	Q 16	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
L 04829 S5		L	LE	3	1	33	17S	35E		643347	3629400*	497	220	90	130
L 04578		L	LE				33	17S	35E	643962	3629198*	594	126	60	66
L 04880		L	LE	2	3	33	17S	35E		643757	3629002*	736	145	90	55

Average Depth to Water: **80 feet**

Minimum Depth: **60 feet**

Maximum Depth: **90 feet**

Record Count:3

UTMNAD83 Radius Search (in meters):

Easting (X): 643712.263

Northing (Y): 3629737.418

Radius: 800

*UTM location was derived from PLSS - see Help

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

9/15/20 11:53 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

ATTACHMENT C

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing north of well pad.	1
	SITE NAME	EVGSAU Well 3308-006 Wellhead Release	6/2/2020



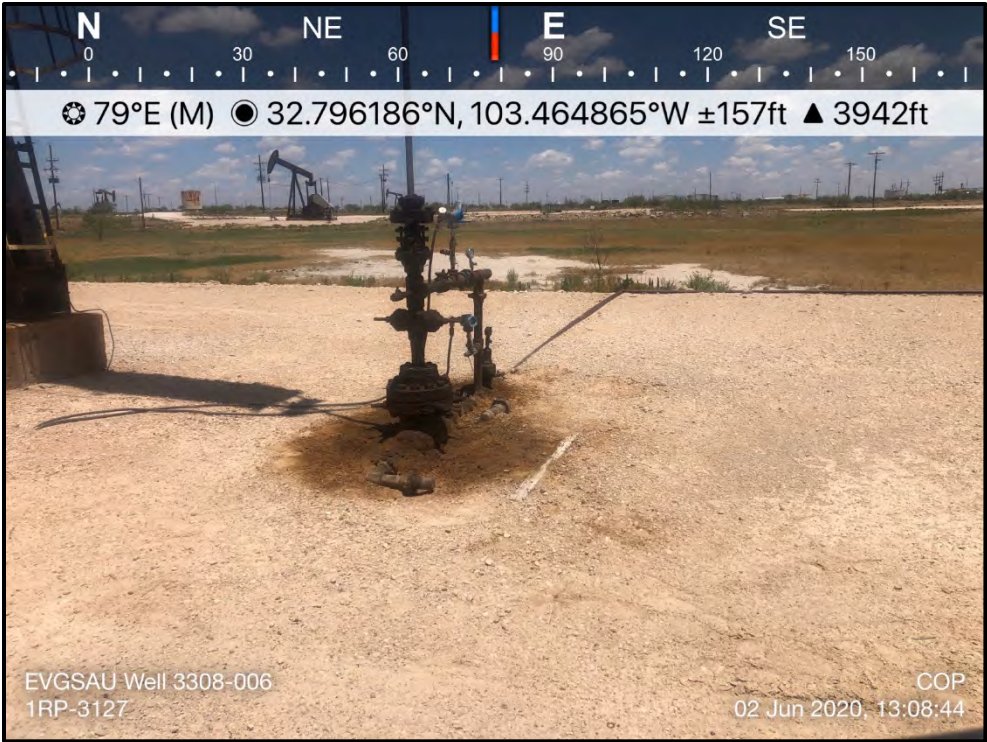
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northwest of wellhead and equipment.	2
	SITE NAME	EVGSAU Well 3308-006 Wellhead Release	6/2/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing south of well pad and pipeline from wellhead.	3
	SITE NAME	EVGSAU Well 3308-006 Wellhead Release	6/2/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing south of well pad and wellhead.	4
	SITE NAME	EVGSAU Well 3308-006 Wellhead Release	6/2/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing east of wellhead.	5
	SITE NAME	EVGSAU Well 3308-006 Wellhead Release	6/2/2020



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

June 21, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EAST VACUUM (GSA) UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 06/17/24 8:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 1 (0-0.5') (H243489-01)

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	06/19/2024	ND	1.74	86.9	2.00	11.6	
Toluene*	<0.050	0.050	06/19/2024	ND	1.80	90.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	06/19/2024	ND	1.88	93.8	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/19/2024	ND	5.51	91.8	6.00	3.63	
Total BTEx	<0.300	0.300	06/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	64.0	16.0	06/18/2024	ND	448	112	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	06/18/2024	ND	182	91.2	200	0.944	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	182	91.0	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 1 (2-2.5') (H243489-02)

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	06/19/2024	ND	1.74	86.9	2.00	11.6	
Toluene*	<0.050	0.050	06/19/2024	ND	1.80	90.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	06/19/2024	ND	1.88	93.8	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/19/2024	ND	5.51	91.8	6.00	3.63	
Total BTEx	<0.300	0.300	06/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/18/2024	ND	448	112	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	06/18/2024	ND	182	91.2	200	0.944	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	182	91.0	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHUCK TERHUNE
 901 WEST WALL STREET , STE 100
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Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 2 (0-0.5') (H243489-03)

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	06/19/2024	ND	1.74	86.9	2.00	11.6	
Toluene*	<0.050	0.050	06/19/2024	ND	1.80	90.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	06/19/2024	ND	1.88	93.8	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/19/2024	ND	5.51	91.8	6.00	3.63	
Total BTEX	<0.300	0.300	06/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	06/18/2024	ND	448	112	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	06/18/2024	ND	182	91.2	200	0.944	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	182	91.0	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 2 (2-2.5') (H243489-04)

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	06/19/2024	ND	1.74	86.9	2.00	11.6		
Toluene*	<0.050	0.050	06/19/2024	ND	1.80	90.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	06/19/2024	ND	1.88	93.8	2.00	3.80		
Total Xylenes*	<0.150	0.150	06/19/2024	ND	5.51	91.8	6.00	3.63		
Total BTEX	<0.300	0.300	06/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 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	112	16.0	06/18/2024	ND	448	112	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	06/18/2024	ND	182	91.2	200	0.944	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	182	91.0	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 3 (0-0.5') (H243489-05)

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	06/20/2024	ND	1.74	86.9	2.00	11.6		
Toluene*	<0.050	0.050	06/20/2024	ND	1.80	90.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.88	93.8	2.00	3.80		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.51	91.8	6.00	3.63		
Total BTEx	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/18/2024	ND	448	112	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	06/18/2024	ND	182	91.2	200	0.944	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	182	91.0	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 3 (2-2.5') (H243489-06)

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	06/20/2024	ND	1.74	86.9	2.00	11.6	
Toluene*	<0.050	0.050	06/20/2024	ND	1.80	90.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.88	93.8	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.51	91.8	6.00	3.63	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	32.0	16.0	06/18/2024	ND	448	112	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	06/18/2024	ND	182	91.2	200	0.944	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	182	91.0	200	0.986	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: EAST VACUUM (GSA) UNIT #006
 Project Number: nTO1418156731
 Project Location: LEA COUNTY

Sampling Date: 06/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH 4 (0-0.5') (H243489-07)

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	06/20/2024	ND	1.74	86.9	2.00	11.6	
Toluene*	<0.050	0.050	06/20/2024	ND	1.80	90.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.88	93.8	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.51	91.8	6.00	3.63	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	06/18/2024	ND	448	112	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	06/18/2024	ND	194	96.8	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	186	93.0	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.2 % 49.1-148

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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/16/2024
Reported:	06/21/2024	Sampling Type:	Soil
Project Name:	EAST VACUUM (GSA) UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	nTO1418156731	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY		

Sample ID: BH 4 (2-2.5') (H243489-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2024	ND	1.74	86.9	2.00	11.6	
Toluene*	<0.050	0.050	06/20/2024	ND	1.80	90.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.88	93.8	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.51	91.8	6.00	3.63	
Total BTX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/18/2024	ND	448	112	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	06/18/2024	ND	194	96.8	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	186	93.0	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 463536

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nTO1418156731
Incident Name	NT01418156731 EAST VACUUM (GSA) UNIT #006 @ 30-025-32062
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-32062] EAST VACUUM (GSA) UNIT #006

Location of Release Source*Please answer all the questions in this group.*

Site Name	EAST VACUUM (GSA) UNIT #006
Date Release Discovered	06/17/2014
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

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

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 463536

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 07/17/2024
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 463536

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Zero feet, overlying, or within area
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Zero feet, overlying, or within area
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	112
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/01/2025
On what date will (or did) the final sampling or liner inspection occur	08/15/2025
On what date will (or was) the remediation complete(d)	08/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	630
What is the estimated volume (in cubic yards) that will be remediated	93
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 463536

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 05/15/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 463536

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 463536

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	354332
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/16/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 463536

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 463536
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation work plan approved.	5/15/2025
amaxwell	Variance request to use delineation samples as confirmation samples is approved. However, if excavation is required, 19.15.29 NMAC sampling every 200 square feet is to occur.	5/15/2025
amaxwell	Submit a report via the OCD permitting portal by August 13, 2025.	5/15/2025