

EVGSAU 2155-001 nKJ1516743465

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

# **Proposed Sampling and Remediation Work Plan**

April 3, 2025



Attn: NMOCD District 1

1625 N French Dr. Hobbs, NM 88240

Re: Proposed Sampling and Remediation Work Plan

NMOCD Incident Number: **nKJ1516743465** 

EVGSAU 2155-001 API No. 30-025-27315

Unit O, Section 21, Township 17S, Range 35E 1175 FSL 2500 FEL Lea County, NM

GPS Coordinates: Latitude 32.8164673 Longitude -103.4622421 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 produced water release that occurred at the EVGSAU 2155-001 (Site). This incident was assigned Incident ID nKJ1516743465 by the New Mexico Oil Conservation Division (NMOCD).

## Release Information - nKJ1516743465

The initial Form C-141 was submitted on June 16, 2015 (Appendix A) and stated "ENV – Agency Reportable – 29.81 bbls Produced Water – EVGSAU 2155-001 – RR II – MCBU – Buckeye: On Monday June 15, 2015 at 1200 MDT, at EVGSAU 2155-001 an agency reportable spill was found during normal rounds. The leak originated from the threads on a ½ inch plug and resulted in a release of 29.81 bbls of produced water, with 7 bbls recovered. The spill will be reported to NMOCD and will be remediated according to COPC guidelines. This is not a PSE. Consequence: 1, Likelihood: 5, RR: 2. Release of 29.81 barrels of produced water with 7 barrels recovered. Affected area was 115 foot by 140 foot X 2 inch deep on caliche pad. The affected area will be remediated according to NMOCD guidelines." This initial Form C-141 was approved by the NMOCD on June 16, 2015.

#### Site Characterization

This Site is in Lea County, NM, approximately ten (10) miles southwest of Lovington, NM. The wellhead and release area are in Unit O, Section 21, Township 17S, Range 35E, 32.8164673 degrees latitude and -103.4622421 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 for this soil type 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 26.7 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-03992 which is situated approximately 0.49 miles southeast of the Site. The information, however, is older than 25 years. The United States Geological Survey (USGS) offers the site USGS 324824103271501 17S.35E.28.22332 which shows depth to the nearest groundwater is 62 feet bgs. The latest gauge of this site was conducted in 2010, and it is located approximately 0.48 miles southeast.

The nearest surface water feature is Chaparral Park Pond, and it is located approximately 11 miles to the northeast. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Riverine approximately 0.35 miles east. According to Fema's National Flood Hazard Layer search, the Site is situated in Zone D – Area of Undetermined Flood Hazard and is more 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 wildlife or plant habitats. A Special Status Plant/Wildlife Map is included in Figure 2.

The remediation area at the Site is in previously disturbed areas developed for oil and gas extraction; therefore, a cultural resource survey will not be required at the Site for planned remediation activities. If remediation activities should need to progress outside these areas, the requirements of the Cultural Properties Protection (CCP) Rule will be followed.

#### Assessment and Delineation Activities

On May 3, 2016, Basin personnel were on site to assess the release. Two points within the release area were sampled with depth (Figure 1). All samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis.

Basin completed a Corrective Action Plan that was submitted to the NMOCD on May 20, 2016. The plan was approved by the NMOCD on May 23, 2016, with the stipulation that "Sidewall samples should be included with the closure report to ensure complete horizontal delineation/remediation." This plan, along with the condition of approval, can be found in the Incident Files link on the OCD Permitting page for this incident. It is also included for reference as Appendix E.

## **Proposed Sampling & Remediation Activities**

Due to the previously approved Corrective Action Plan being almost 9 years old, the site characterization information has been updated to reflect current standards. Because no further documented activity has taken place at this Site, Maverick would like to propose the following:

- The area of concern measures approximately 3,000 square feet with the primary portion on the pad surface and a smaller portion extending to the lease road surface.
- Collect discrete samples from within and around the edges of the release area to evaluate the presence of contaminants. Forty (40) samples will be collected from 8 different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Thirty-five (35) samples will be collected from 7 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 confirmations samples depending on the sample results of the soil. A Proposed Sample Map 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 from the pad area that are over the regulatory limits of the 51-100' depth to groundwater section of Table 1 will be measured for total area and affected volume then removed via mechanical excavation means. Sample results from the lease road area 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.
- 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 on the pad that have reported results being over the regulatory limits of the 51-100' depth to groundwater section of Table 1 19.15.29.12 NMAC. Chlorides should be less than 10,000 mg/kg. TPH (GRO+DRO+ORO) should be less than 2,500 mg/kg. GRO+DRO should be less than 1,000 mg/kg. BTEX should be less than 50 mg/kg. Benzene should be less than 10 mg/kg. Maverick will diligently remediate all contaminants found on the lease



road 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 less than 600 mg/kg. TPH (GRO+DRO+ORO) should be less than 100 mg/kg. BTEX should be less than 50 mg/kg. Benzene should be less 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. Maverick understands that reclamation of this pad and road area, once it is no longer needed for production or subsequent drilling operations, will require an approved reclamation plan addressing a minimum of four feet of non-waste containing earthen material, followed by an approved revegetation report after proper vegetation growth has been confirmed.

## Request for Proposed Sampling & Remediation Work Plan Approval

Maverick requests that this proposed sampling & remediation work plan for incident ID nKJ1516743465 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 – <u>Bryce.Wagoner@mavresources.com</u> – (928) 241-1862

Sapec-Eco, LLC – Tom Bynum – <u>tombynum@sapec-eco.com</u> – (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 – NMOCD-Approved Corrective Action Plan (2016)

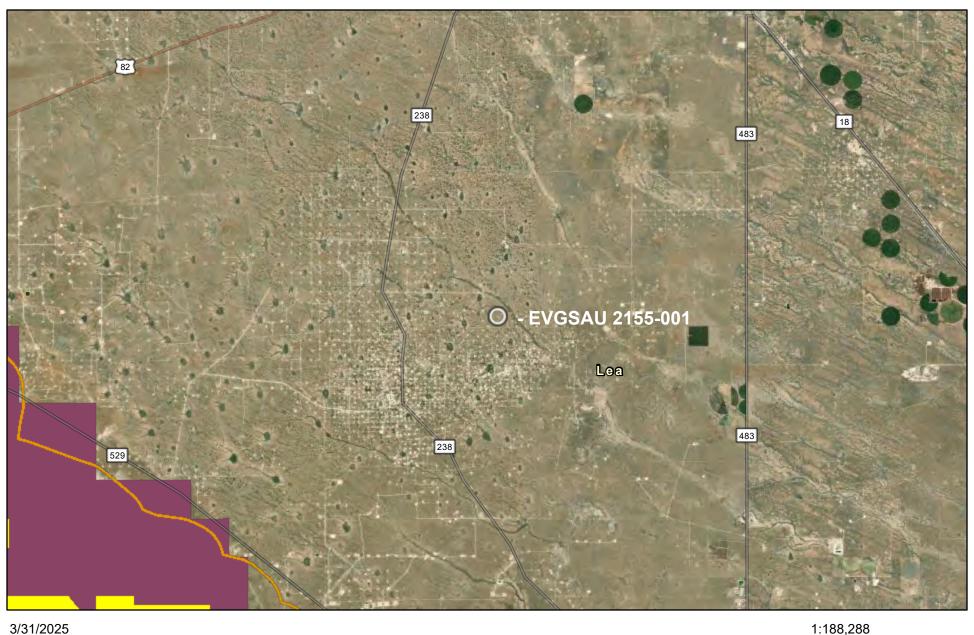


# Figures:

Proposed Sample Map
Special Status Plant/Wildlife Map
Karst Map
Topographic Map
Location Map



# Special Status Plant/Wildlife Species

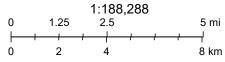




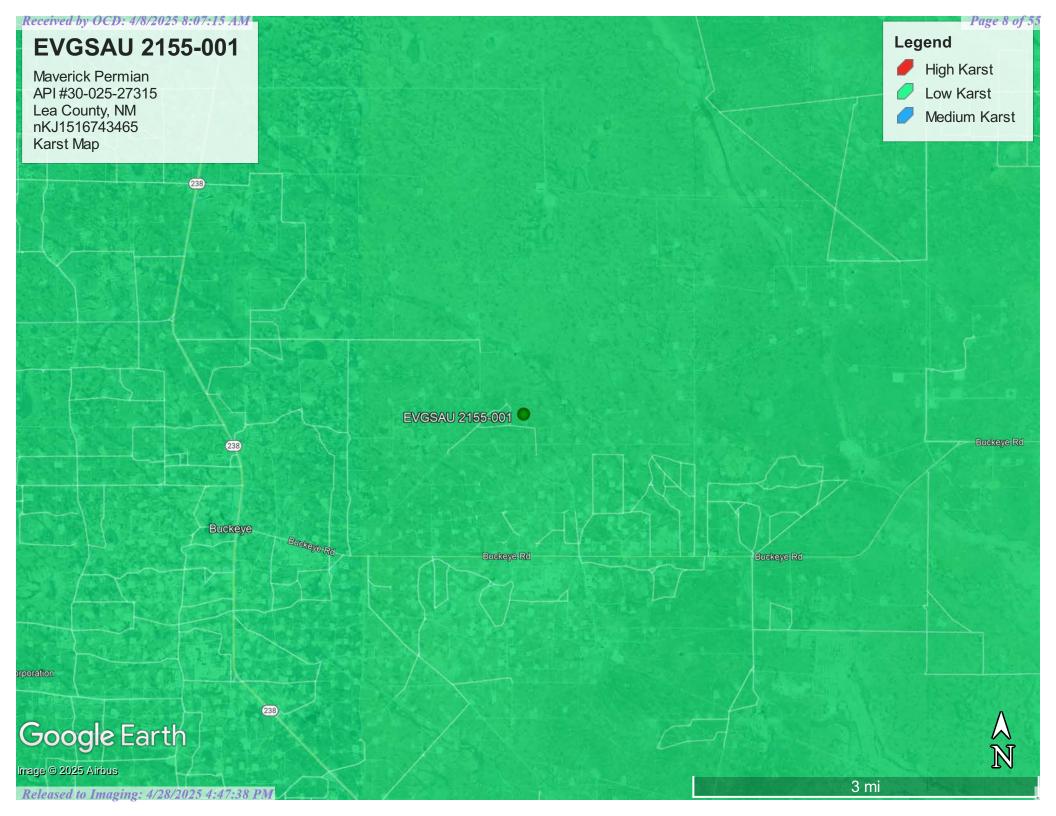
Habitat Evaluation Area Isolated Population Area

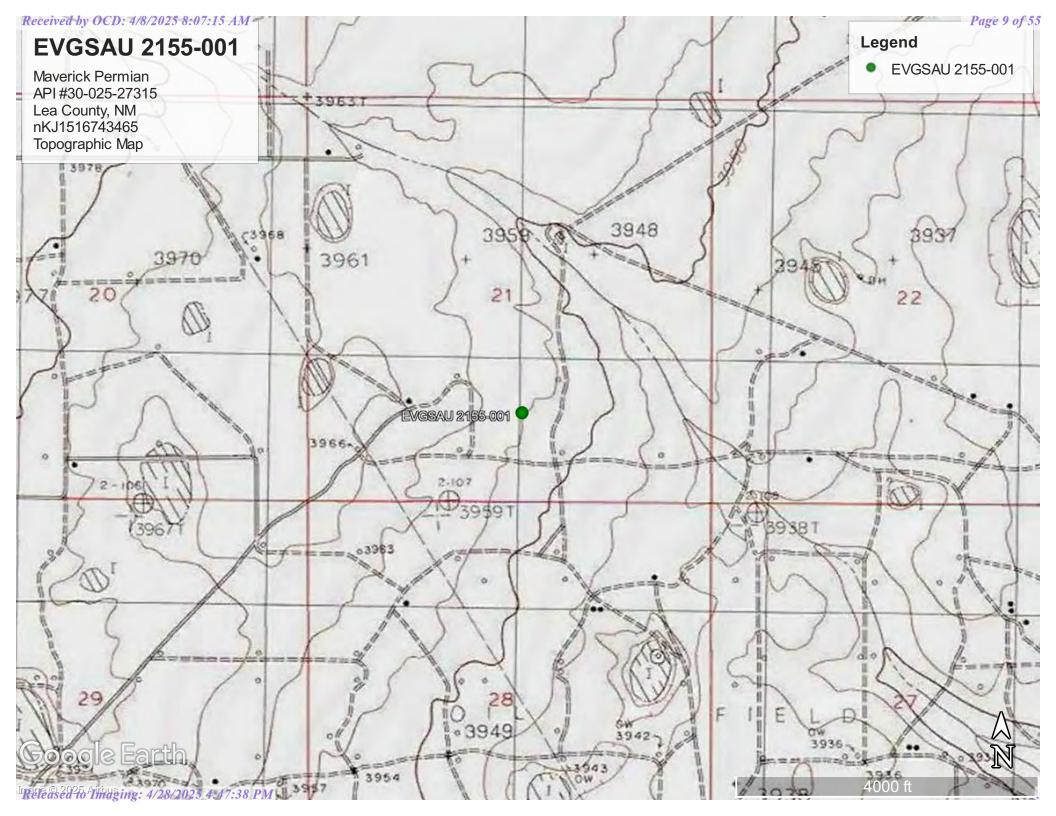
World Imagery Low Resolution 15m Imagery High Resolution 60cm Imagery High Resolution 30cm Imagery

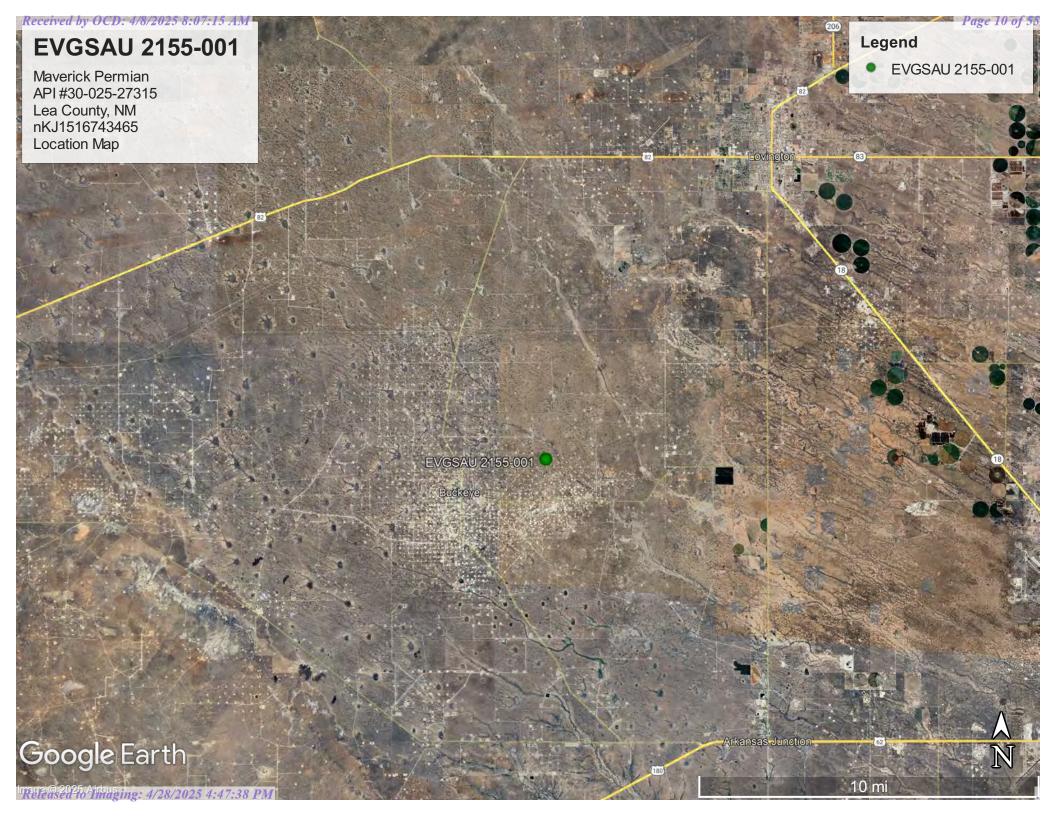
Citations 38m Resolution Metadata



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









# Appendix A

**Initial Form C-141** 

Form C-141

Revised August 8, 2011

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action													
						OPERA'	ΓOR	al Report	☐ Fi	inal Repor			
Name of Company: ConocoPhillips						Contact: Jay Garcia							
Address: 29 Vacuum Complex Lane Facility Name: EVGSAU 2155-001						Telephone No. 575-704-2455							
						Facility Type: Battery							
Surface Owner: NMOCD Mineral Owner:									API No	. 30-025-2	731500	)	
				LOCA	ATIO	OF RE	LEASE						
Unit Letter					South Line	Feet from the 2500	East/V East	West Line	County LEA				
O 21 17S 35E 1175 North						<u> </u>							
Latitude 32.8164634323229 Longitude -103.462276932915 NATURE OF RELEASE													
Type of Rele	ase: Leak			NAI	UKE	Volume of Release: 29.81 bbl. of Volume Recovered. 7 bbl. of produced							
						produced water. water.							
Source of Re	lease: Disch	narge Line				Date and Hour of Occurrence   Date and Hour of Discovery   06/15/2015   12:00 pm   06/15/2015   12:00 pm							
Was Immedi	ate Notice C					If YES, To	Whom?		00,10,20	72.00 P			
			Yes _	No Not R	equired		oerding / Kellie J						
By Whom? J Was a Water		rhed?					Hour: <b>06/15/2015</b> olume Impacting to						
was a water	course reac		Yes 🗵	☑ No		n i LS, v	frame impacting (	ine wat	creourse.				
				bbls Produce T, at EVGSA									
				e threads on					•		_		
				pill will be rep				reme	ediated a	ccording t	to COP	,C	
guidelines	s. This is	not a PSE	. Cons	equence: 1, L	_ikelih	ood: 5, RF	R: 2						
							RECEIV	ED					
							By OCD Di		1 at 12.	:00 pm, J	Jun 16	, 2015	
Describe Ar	ea Affecte	d and Clean	up Action	Taken.*		(							
				with 7 barrels r			area was 115 fe	oot by	140 foot X	2 inch deep	p on cali	iche pad.	
The affected	i area wiii	be remedian	ed accord	ding to NMOCE	guidei	mes.							
				e is true and comp nd/or file certain i									
				ce of a C-141 repo									
				otance of a C-141									
federal, state.	or local lav	ws and/or regu	ılations.				OH CON	CEDI	ZA ENCAT	DHARIO	<b></b>		
							OIL CON	<u>SER V</u>	ATION	DIVISIO	<u>in</u>		
Signature: Jay Garcia													
Printed Name: Jay Garcia  Approved by Environmental Specialist:													
	Title: LEAD HSE Approval Date: 06/16/2015 Expiration Date: 09/19/2015						9/2015						
E-mail Addre	ess: <b>jay.c.</b> (	garcia@co	nocoph	illips.com		Conditions o	f Approval:						
							required. Delin		Attached	<u> </u>	17817		
					remediate as per MNOCD guides. Geo photographs of remediation required.				1RP-3673				
Date: 01/06/2  * Attach Addi		ate If Nagaga		Phone:575-704-2	455								
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# 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

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

(quarters are smallest to

right file.)	closed)			larges	t)								(meters)		(In feet)	)
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance		_	Water Column
<u>L 03992</u>		L	LE	SW	NE	NE	28	17S	35E	644426.0	3631327.0 *		810	125	65	60
<u>L 04829 S3</u>		L	LE	NW	SW	NW	28	17S	35E	643222.0	3631111.0 *		1142	215	70	145
<u>L 04829</u>		L	LE		NW	SE	20	17S	35E	642499.0	3632215.0 *	•	1474	192	60	132
<u>L 07024</u>		L	LE	NE	NE	NE	20	17S	35E	642988.0	3633124.0 *	•	1492	130	80	50
<u>L 01919 POD2</u>		L	LE	NW	NW	NE	29	17S	35E	642410.0	3631507.0 *	•	1618	209	55	154
<u>L 05362</u>		L	LE	SW	SE	SE	28	17S	35E	644444.0	3630117.0 *		1932	140	80	60
<u>L 09998</u>		L	LE		NE	SE	16	17S	35E	644489.0	3633847.0 *	•	1934	160	90	70
<u>L 06940</u>		L	LE	NW	SE	SW	20	17S	35E	642001.0	3631907.0 *	•	1956	135	85	50
<u>L 05207</u>		L	LE				27	17S	35E	645552.0	3630825.0 *	•	1974	140	60	80

Average Depth to Water: 71 feet

Minimum Depth: 55 feet

Maximum Depth: 90 feet

**Record Count:** 9

**Basin/County Search:** 

**County:** LE

## **UTM Filters (in meters):**

**Easting:** 643955.66 **Northing:** 3631987.28

**Radius:** 02000

\* 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**



3/31/2025, 7:14:40 AM **GIS WATERS PODs** New Mexico State Trust Lands OSE District Boundary Active Water Right Regulations **Both Estates** 

Artesian Planning Area

1:9.028 0.2 mi 0.05 0.4 km

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



USGS Home Contact USGS Search USGS

# **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

#### Click to hideNews Bulletins

• Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

## Search Results -- 1 sites found

site\_no list =

• 324824103271501

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 324824103271501 17S.35E.28.22332

The depth of the well is 125 feet below land surface.

Available data for this site	Groundwater:	Field measurements	~	GO				
Lea County, New Mexico								
Hydrologic Unit Code 1208	0003							
atitude 32°48'37.1", Longitude 103°27'27.5" NAD83								
Land-surface elevation 3,9	48.00 feet	above NGVD29						

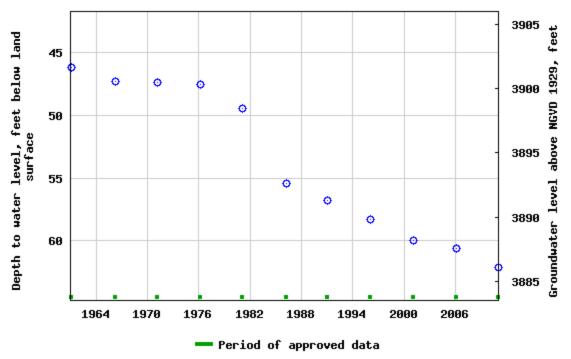
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

## **Output formats**

Table of data						
<u>Tab-separated data</u>						
Graph of data						
Reselect period						

#### USGS 324824103271501 175,35E,28,22332



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility

FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

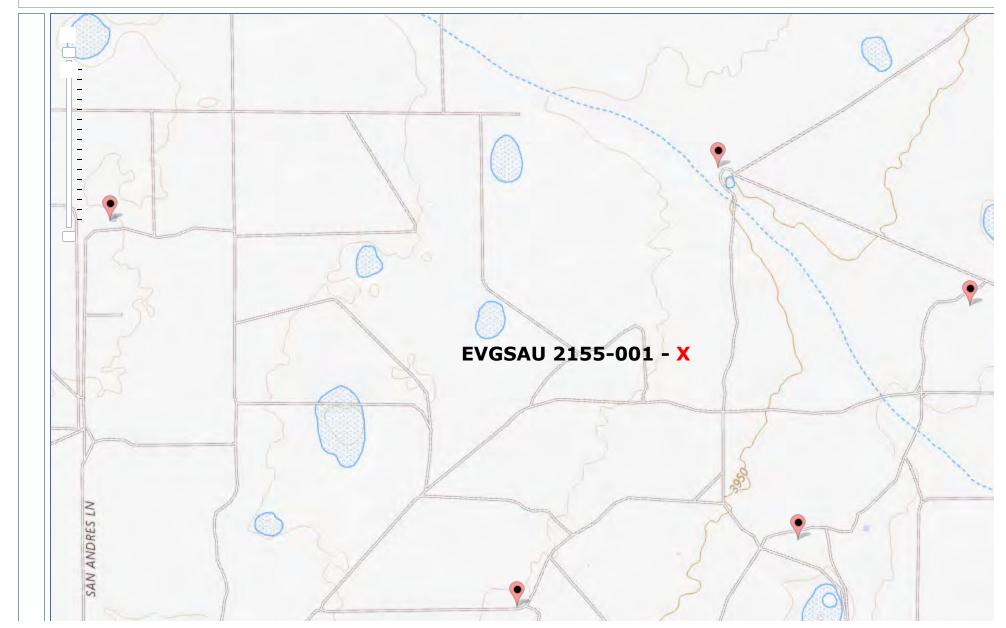
Page Last Modified: 2025-03-31 08:16:54 EDT

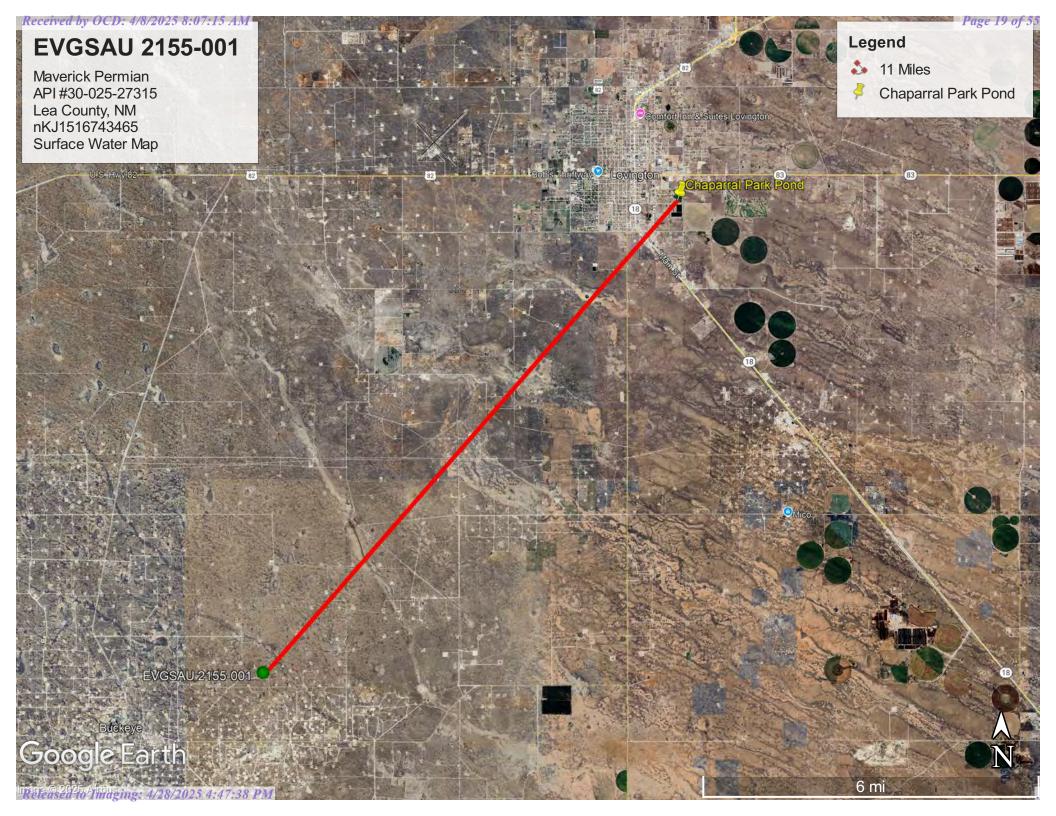
0.64 0.46 nadww01





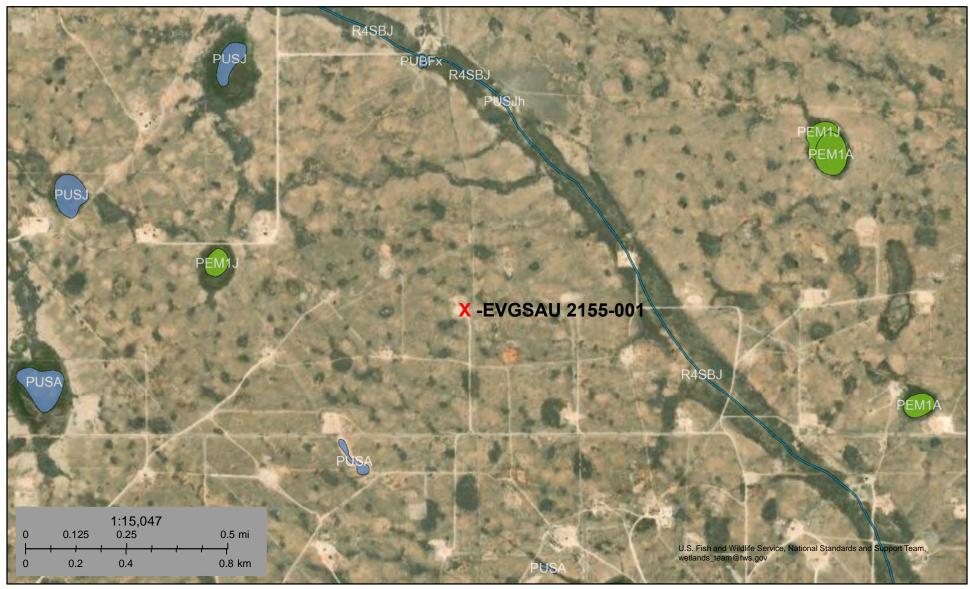
# **National Water Information System: Mapper**







# Wetlands Map



March 31, 2025

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

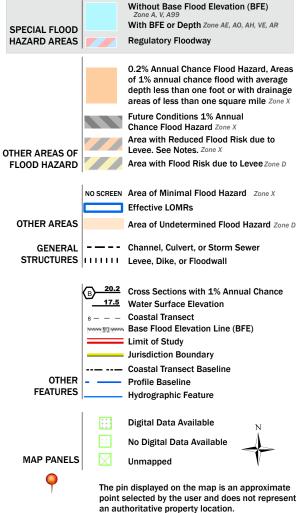
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# National Flood Hazard Layer FIRMette





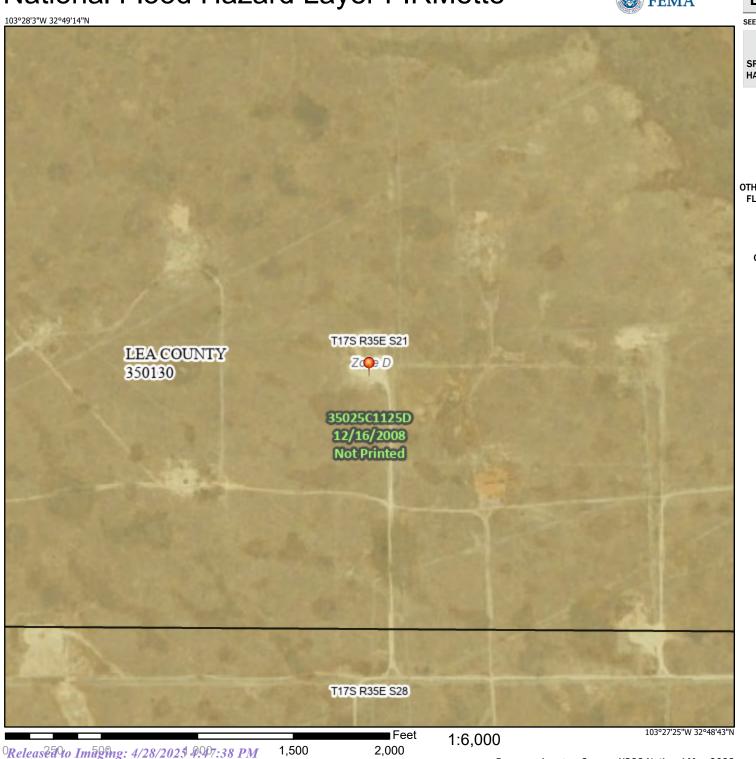
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



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 3/31/2025 at 12:19 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** 

# 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



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**

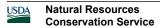
Percent of map unit: 12 percent

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

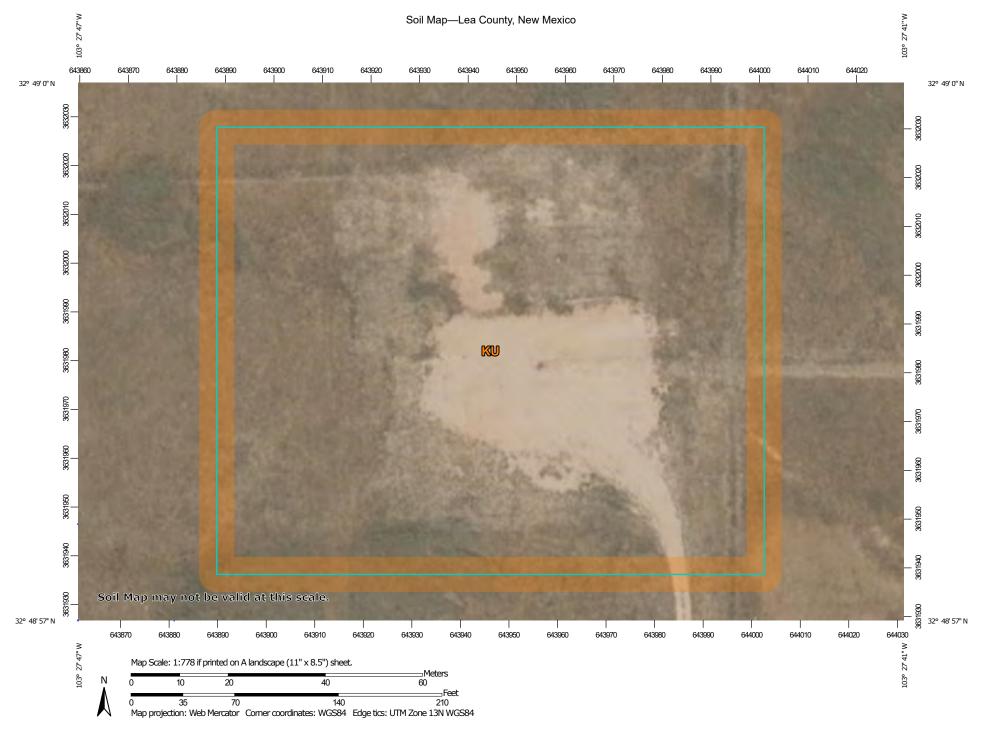
Across-slope shape: Linear

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



#### MAP LEGEND

â

0

Δ

**Water Features** 

Transportation

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Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

**US Routes** 

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

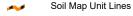
Aerial Photography

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



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

+ Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

### 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

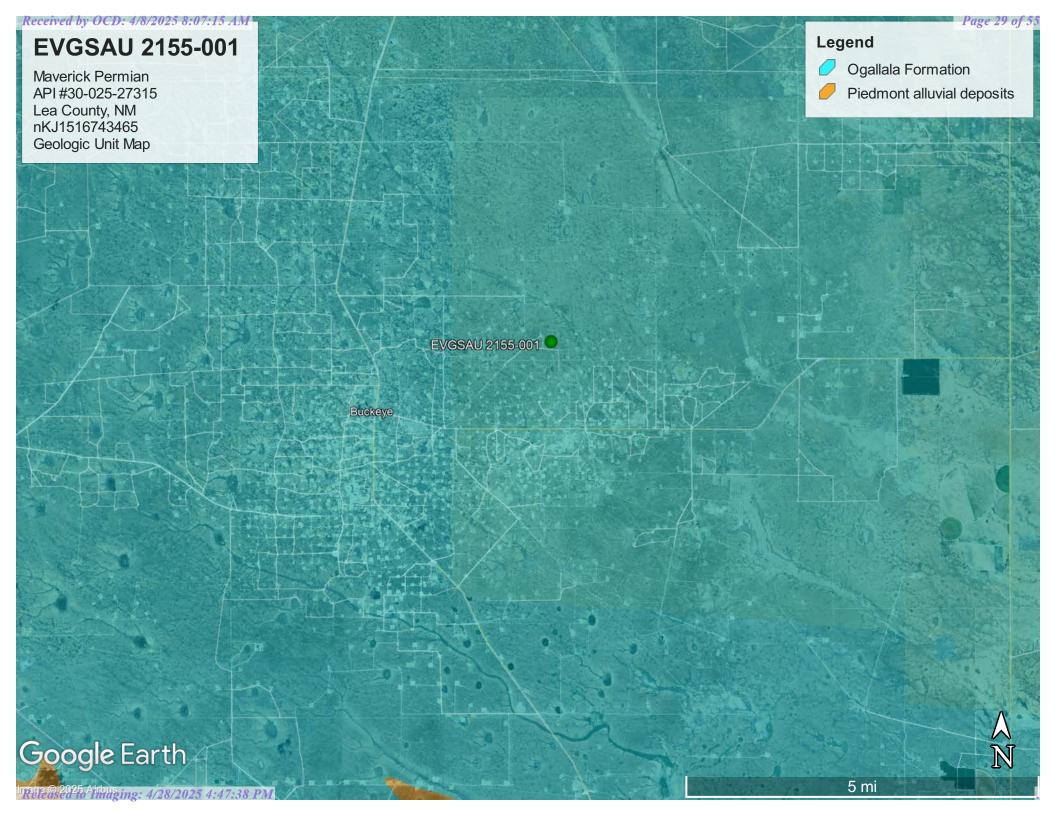
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

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	2.6	100.0%
Totals for Area of Interest		2.6	100.0%





# Appendix D

**Photographic Documentation** 

# Photographic Documentation Maverick Permian, LLC EVGSAU 2155-001 – nKJ1516743465









# Photographic Documentation Maverick Permian, LLC EVGSAU 2155-001 – nKJ1516743465









# Appendix E

**NMOCD-Approved Corrective Action Plan (2016)** 





Sidewall samples should be included with the closure report to ensure complete horizontal delineation/remediation.

# **CONOCOPHILLIPS**

P.O. Box 2197 Houston, TX 77252-2197 Phone 281.293.1000

# EVGSAU 2155-001

(1RP-3673)

# Corrective Action Plan

API No. 30-025-27315

Release Date: January 3<sup>rd</sup>, 2015

Unit Letter O, Section 21, Township 17S, Range 35E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

# May 20<sup>th</sup>, 2016

## **Jamie Keyes**

Environmental Specialist – New Mexico Oil Conservation Division Energy, Minerals and Natural Resources Department 1625 N. French Dr. Hobbs, NM 88240

> RE: Corrective Action Plan ConocoPhillips EVGSAU 2155-001 (1RP-3673) UL/O sec. 21 T17S R35E API No. 30-025-27315

Mr. Keyes:

ConocoPhillips (CoP) has retained Basin Environmental Service Technologies to address potential environmental concerns at the above-referenced site.

## **Background and Previous Work**

The site is located approximately 2.75 miles northeast of Buckeye, New Mexico at UL/O sec. 21 T17S R35E. NM OSE and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 66 +/- feet.

On June 15<sup>th</sup>, 2015, CoP discovered a release from a ½ inch plug. A total of 29.81 barrels of oil was released over 3,002 sq ft of caliche pad with 7 barrels recovered. NMOCD was notified of the release on June 15<sup>th</sup>, 2015, and an initial C-141 was submitted the same day. NMOCD approved the initial C-141 on June 16<sup>th</sup>, 2015 (Appendix A).

On May 3<sup>rd</sup>, 2016, Basin personnel were on site to assess the release. Two points within the release area were sampled with depth (Figure 1). All samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis (Appendix B).

Photo Documentation of these activities may be found in Appendix C.

## **Corrective Action Plan**

Based on the assessment, the release will be scraped down to 1 ft bgs. All excavated soil will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to serve as backfill. A sample of the backfill soil will be taken to a commercial laboratory to

confirm that the chloride reading is below regulatory standards. The lease pad will be backfilled with clean, imported caliche. The site will be contoured to the surrounding location.

Once these activities have been completed, a report will be sent to NMOCD requesting 'remediation termination' and site closure.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,

Kyle Norman

Project Lead

Basin Environmental Service Technologies

(575) 942-8542

#### Attachments:

Figure 1 – Initial sampling data

Appendix A – Initial C-141

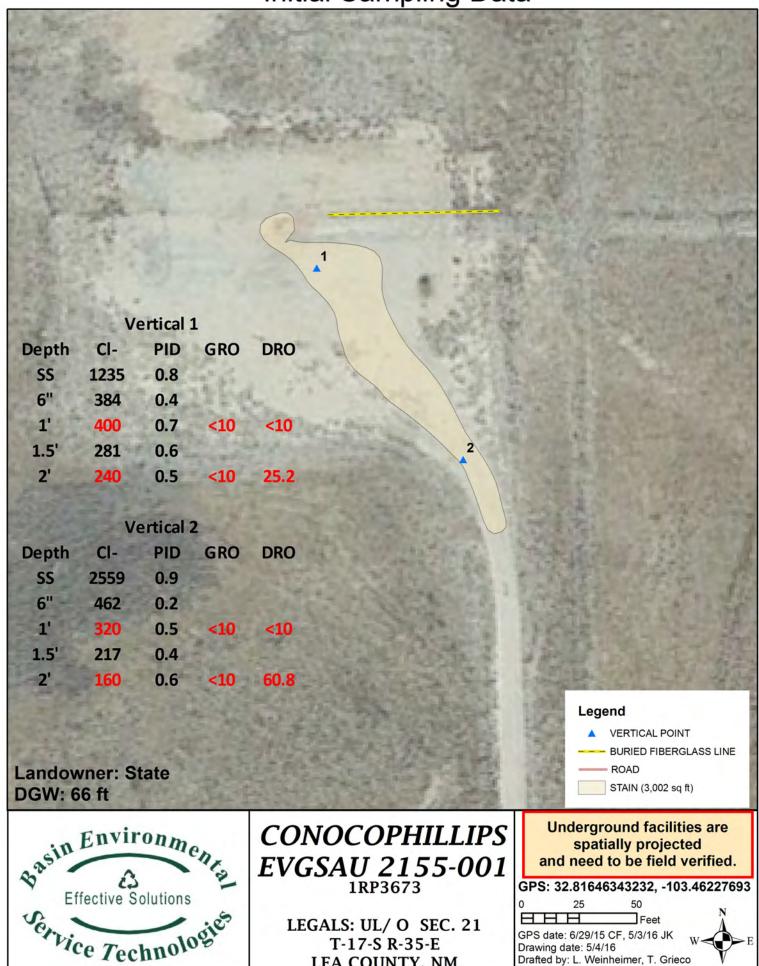
Appendix B – Laboratory Analysis

Appendix C – Photo Documentation

## Figures

Basin Environmental Service Technologies, LLC P.O. Box 2948, Hobbs, NM 88241 Phone 575.393.2967

#### **Initial Sampling Data**



LEA COUNTY, NM

Drawing date: 5/4/16

Drafted by: L. Weinheimer, T. Grieco

## Appendix A Intial C-141

Basin Environmental Service Technologies, LLC P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

Form C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

#### State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15,29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

pKJ1516743702

			Rel	ease Notific	ation	and C	orrective A	ction				
						OPERA	TOR			al Report		Final Repor
		ConocoPhilli				Contact: Ja	y Garcia					
		Complex L					No. 575-704-24	55				
Facility Na	ame: EVG	SAU 2155-0	01			Facility Typ	e: Battery					
Surface Ov	wner: NMC	CD		Mineral C	wner:				API No	. 30-025-	27315	500
				LOCA	TION	OFRE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County		
0	21	17S	35E	1175	North		2500	East	25.00.14	LEA		
Latitude	32.8164634	4323229 1	Longitud	le -103.4622769		OF REL	FASE					
Type of Rel	ease: Leak			IMI	UKL		Release: 29.81 b	bl. of	Volume I	Recovered.	7 bbl. c	of produced
Source of R	elease: Disc	harge Line				4	Hour of Occurrence	ce		Hour of Dis	scovery	7
							15 12:00 pm			15 12:00		
Was Immed	liate Notice		Yes [	No Not Re	equired	If YES, To	Whom? perding / Kellie J	lones				
	Jay Garcia					Date and I	Hour: 06/15/2015	3:45 pm				
Was a Wate	rcourse Rea		Yes 🗵	No		If YES, V	olume Impacting	the Wate	rcourse.			
							RECEIV By OCD Di		1 at 12.	:00 pm.	Jun	16, 2015
Release of	29.81 barro	els of produc	ed water	Taken.* with 7 barrels reding to NMOCD	ecovere	d. Affected						
I hereby cer regulations a public health should their or the environ	tify that the all operators h or the envi operations h	information gi are required to ronment. The nave failed to a	ven above o report ar acceptance adequately OCD accep	e is true and compl nd/or file certain re ce of a C-141 repo v investigate and re otance of a C-141	lete to the elease no	ne best of my otifications as NMOCD me contaminat	nd perform correct arked as "Final R on that pose a thr	ctive acti teport" de reat to gr	ons for rel oes not rel ound wate	eases which ieve the ope r. surface wa	may e	ndanger f liability man health
							OIL CON	SERV	ATION	DIVISIO	ON	
Signature:	Day Garcia											
Printed Nam		ia			-	Approved by	Environmental S	pecialist	Kun	1		
Title: LEAD	HSE					Approval Da	te: 06/16/2015	E	Expiration	Date: 09/1	9/2015	5
E-mail Addi	ress: <b>jay.c.</b>	garcia@co	nocoph	illips.com			f Approval: required. Delin s per MNOCD gr			Attached		217817
Date: 01/06/	2015		1	Phone:575-704-24			of remediation			1RP-3	673	
		ets If Necess		72.74	25					1 100	16743	

## Appendix B Laboratory Analysis

Basin Environmental Service Technologies, LLC P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967



May 20, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: EVGSAU 2155-001

Enclosed are the results of analyses for samples received by the laboratory on 05/19/16 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Wite Sough

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/19/2016 Sampling Date: 05/19/2016
Reported: 05/20/2016 Sampling Type: Soil

Project Name: EVGSAU 2155-001 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PT. 1 @ 1' (H601097-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/20/2016	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/19/2016	ND	173	86.3	200	4.67	
DRO >C10-C28	<10.0	10.0	05/19/2016	ND	179	89.6	200	9.25	
Surrogate: 1-Chlorooctane	72.4	% 35-147							
Surrogate: 1-Chlorooctadecane	92.3	% 28-171							

#### Sample ID: PT. 1 @ 2' (H601097-02)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/20/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/19/2016	ND	173	86.3	200	4.67	
DRO >C10-C28	25.2	10.0	05/19/2016	ND	179	89.6	200	9.25	
Surrogate: 1-Chlorooctane	73.0	% 35-147							
Surrogate: 1-Chlorooctadecane	93.9	% 28-171							

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 whistoever 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.

Me South

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



#### Analytical Results For:

Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

(3/3)333 11

Received: 05/19/2016 Sampling Date: 05/19/2016
Reported: 05/20/2016 Sampling Type: Soil

Project Name: EVGSAU 2155-001 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PT. 2 @ 1' (H601097-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/20/2016	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/19/2016	ND	173	86.3	200	4.67	
DRO >C10-C28	<10.0	10.0	05/19/2016	ND	179	89.6	200	9.25	
Surrogate: 1-Chlorooctane	74.1	% 35-147							
Surrogate: 1-Chlorooctadecane	97.5	% 28-171							

#### Sample ID: PT. 2 @ 2' (H601097-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/20/2016	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/19/2016	ND	173	86.3	200	4.67	
DRO >C10-C28	60.8	10.0	05/19/2016	ND	179	89.6	200	9.25	
Surrogate: 1-Chlorooctane	68.6	% 35-147							
Surrogate: 1-Chlorooctadecane	90.4	% 28-171							

Cardinal Laboratories \*=Accredited Analyte

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Me Sough

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



#### **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

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Mile Sough

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

_	P.O. #:  Company: Basin Environmental  Attn:	P.O. #:  Company: Basin Environmental  Attn:
ny: Basin Environmental s: 419 W. Cain obbs NM Zip: 88240	ny: Basin Environmental s: 419 W. Cain obbs obbs odes o15 M	ny: Basin Environmental s: 419 W. Cain obbs obbs odes o15 M
mpany: Basin Environmental n: dress: 419 W. Cain y: Hobbs y: Hobbs te: NM Zip: 88240 one #: preserv sampling Chi	419 W. Cain  A Zip: 88240  Chlorides  TPH 8015 M  BTEX	419 W. Cain bbs A zip: 88240 Chlorides TPH 8015 M
nmental )	Chlorides TPH 8015 M BTEX	Chlorides TPH 8015 M BTEX
Chlorides	TPH 8015 M BTEX	TPH 8015 M BTEX Texas TPH
	BTEX	BTEX Texas TPH

Page 5 of 5

## Appendix C Photo Documentation

Basin Environmental Service Technologies, LLC P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

### ConocoPhillips EVGSAU 2155-001 Unit Letter O, Section 21, T17S, R35E



Initial release, facing north west

5/3/2016



Initial release, facing south east

5/3/2016



Excavating vertical 1, facing north east

5/19/2016



Hammer hoe vertical 1, facing north east

5/19/2016

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 449465

#### **QUESTIONS**

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	449465
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nKJ1516743465
Incident Name	NKJ1516743465 EVGSAU 2155-001 @ 30-025-27315
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-27315] EAST VACUUM (GSA) UNIT #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EVGSAU 2155-001
Date Release Discovered	06/15/2015
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or 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	Cause: Equipment Failure   Fitting   Produced Water   Released: 30 BBL   Recovered: 7 BBL   Lost: 23 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 449465

QUESTI	ONS (continued)
Operator:  Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199 Action Number: 449465 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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetratech.com Date: 04/08/2025

General Information
Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

## 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 449465

**QUESTIONS** (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	449465
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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 ar	nd 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)	Between 1 and 5 (mi.)
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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provide	ed 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 contamin	nation 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	n milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 CI B)	400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	61
GRO+DRO (EPA SW-846 Method 8015M)	61
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 comp which includes the anticipated timelines for beginning and completing the remediation.	poleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	06/01/2025
On what date will (or did) the final sampling or liner inspection occur	06/21/2025
On what date will (or was) the remediation complete(d)	06/30/2025
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	3000
What is the estimated volume (in cubic yards) that will be remediated	444
	at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

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

## 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 449465

**QUESTIONS** (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	449465
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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.
2-0-1-1-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: Program Manager

Email: chuck.terhune@tetratech.com

Date: 04/08/2025

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

QUESTIONS, Page 5

Action 449465

**QUESTIONS** (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	449465
	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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 449465

**QUESTIONS** (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	449465
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	354031
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/15/2024
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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 449465

#### **CONDITIONS**

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	449465
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### CONDITIONS

Create		Condition Date
scwe	Remediation plan approved with the following conditions: 1) Upon resubmission update the minimum distances to the following in the C-141 application: any other significant watercourse (1000ft-1/2 mile E) and any playa lake (1000ft-1/2 mile W). Submit remediation closure report to the OCD by 7/28/25.	4/28/2025