



GARNET FEDERAL #001

nKJ1512630688

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

Proposed Sampling and Remediation Work Plan

April 8, 2025



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

Bureau of Land Management
 620 E Green St
 Carlsbad, NM 88220

Re: Proposed Sampling and Remediation Work Plan
 NMOCD Incident Number: **nKJ1512630688**
 Garnet Federal #001 API No. 30-025-41922
 Unit P, Section 15, Township 17S, Range 32E 685 FSL 140 FEL Lea County, NM
 GPS Coordinates: Latitude 32.8291855 Longitude -103.7461777 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 Garnet Federal #001 (Site). This incident was assigned Incident ID nKJ1512630688 by the New Mexico Oil Conservation Division (NMOCD).

Release Information – nKJ1512630688

The initial Form C-141 was submitted on May 5, 2015 (Appendix A) and stated that “ENV –Agency Reportable – 12 BO – Garnett Federal Battery – RR II – MCBU – Maljamar: On Sunday May 03, 2015 at 8:00 MDT, at Garnett Federal Battery a reportable spill was found during normal round. The leak was on the inside of the containment and resulted in a release of 12 bbl. of oil with 12 bbl. of oil recovered. The affected area will be power washed and the cause is under investigation. It will be reported to BLM/NMOCD and COPC. This is a PSE Tier 3 event. Consequence: 1, Likelihood: 5, RR: 2. Release of 10 barrels produced water and 0.7 barrels of oil with none recovered. Affected area was 50 foot by 46 foot X 5 inch deep o caliche pad and was not contained. The affected area will be remediated according to NMOCD guidelines.” This initial Form C-141 was approved by the NMOCD on May 6, 2015.

Site Characterization

This Site is in Lea County, NM, approximately two (2) miles south of Maljamar, NM. The wellhead and release area are in Unit P, Section 15, Township 17S, Range 32E, at 32.8291855 degrees latitude and -103.7461777 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 Eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. A Geologic Unit Map can be found in Appendix C.

The soil type present at the Site is Ratliff-Wink fine sandy loams. The slope for this soil type is 0 to 3 percent while 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 11.9 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 greater than 55 feet below grade surface (bgs). This information is recorded by RA-13403-POD1 which is situated approximately 0.39 miles away from the Site. This information is from 2024. The United States Geological Survey (USGS) offers the site USGS 325028103441301 17S.32E.11.34332 which shows depth to the nearest groundwater is 48 feet bgs. The latest gauge of this site was conducted in 1996, and it is located approximately 0.97 miles from the Site.

The nearest surface water feature is Conoco Pond, and it is located approximately 1.36 miles to the south. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Pond approximately 0.25 miles northeast. According to Fema’s National Flood Hazard Layer search, the Site is situated in Zone D – Area of Undetermined

Flood Hazard and is 4.45 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 habitats. However, the Site does lie within the Isolated Population Area of the Lesser Prairie Chicken Habitat and the Dunes Sage Brush Lizard Habitat. Any work taking place at this location between March 1 and June 15 will strictly adhere to the timing restrictions outlined in the Special Status Species Resource Management Plan Amendment. 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. Should the need arise for the remediation area to extend past the previously disturbed areas, the requirements of the Cultural Properties Protection (CCP) Rule will be followed.

Assessment and Delineation Activities

“On January 31, 2020, Etech conducted an inspection at the reported release site. During the the inspection, the reported release Site was identified and a visual inspection was conducted. During the visual inspection, no evidences of soil impacts concurrent with the reported release were noted. Aerial Images of the reported release site are provided as Attachment #3. Site photographs are provided as Attachment #4.”

On March 26, 2020, ConocoPhillips submitted a Soil Closure Request for this incident. This request was denied by the NMOCD on April 14, 2023. This documentation is available for reference in Appendix E.

Proposed Sampling & Remediation Activities

In response to the previously denied Soil Closure Request, Maverick would like to propose the following:

- The area of concern measures approximately 2300 square feet and is entirely on the pad surface.
- Collect discrete samples from within and around the edges of the release area to evaluate the presence of contaminants. Forty-five (45) samples will be collected from 9 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 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 that are over the regulatory limits of the 51-100-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 that have reported results being over the regulatory limits of the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Chlorides should be no more than 10,000 mg/kg. TPH



(GRO+DRO+ORO) should be no more than 2,500 mg/kg. GRO+DRO should be no more than 1,000 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 nKJ1512630688 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 – Soil Closure Request



Figures:

Proposed Sample Map

Special Status Plant/Wildlife Map

Karst Map






Topographic Map

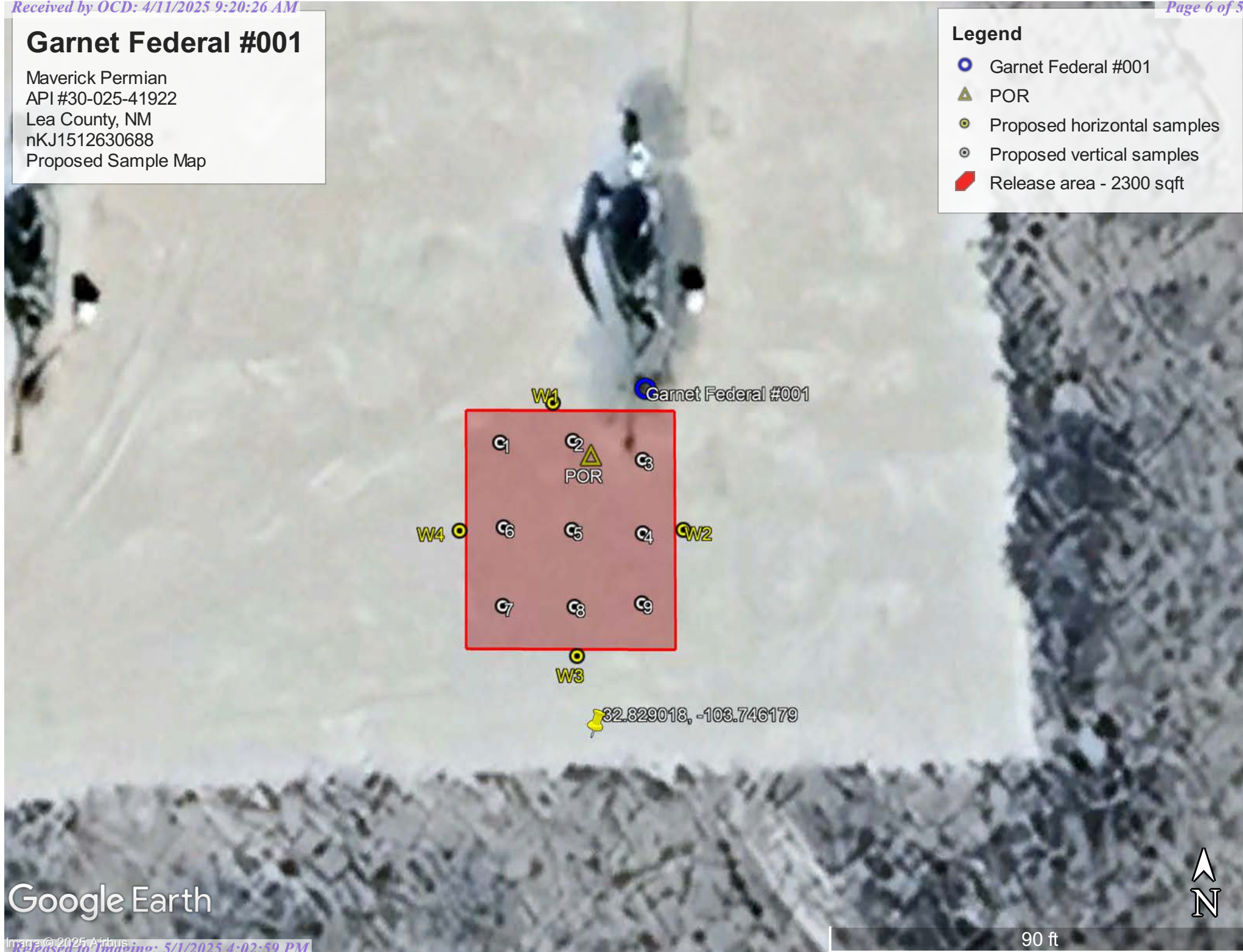
Location Map

Garnet Federal #001

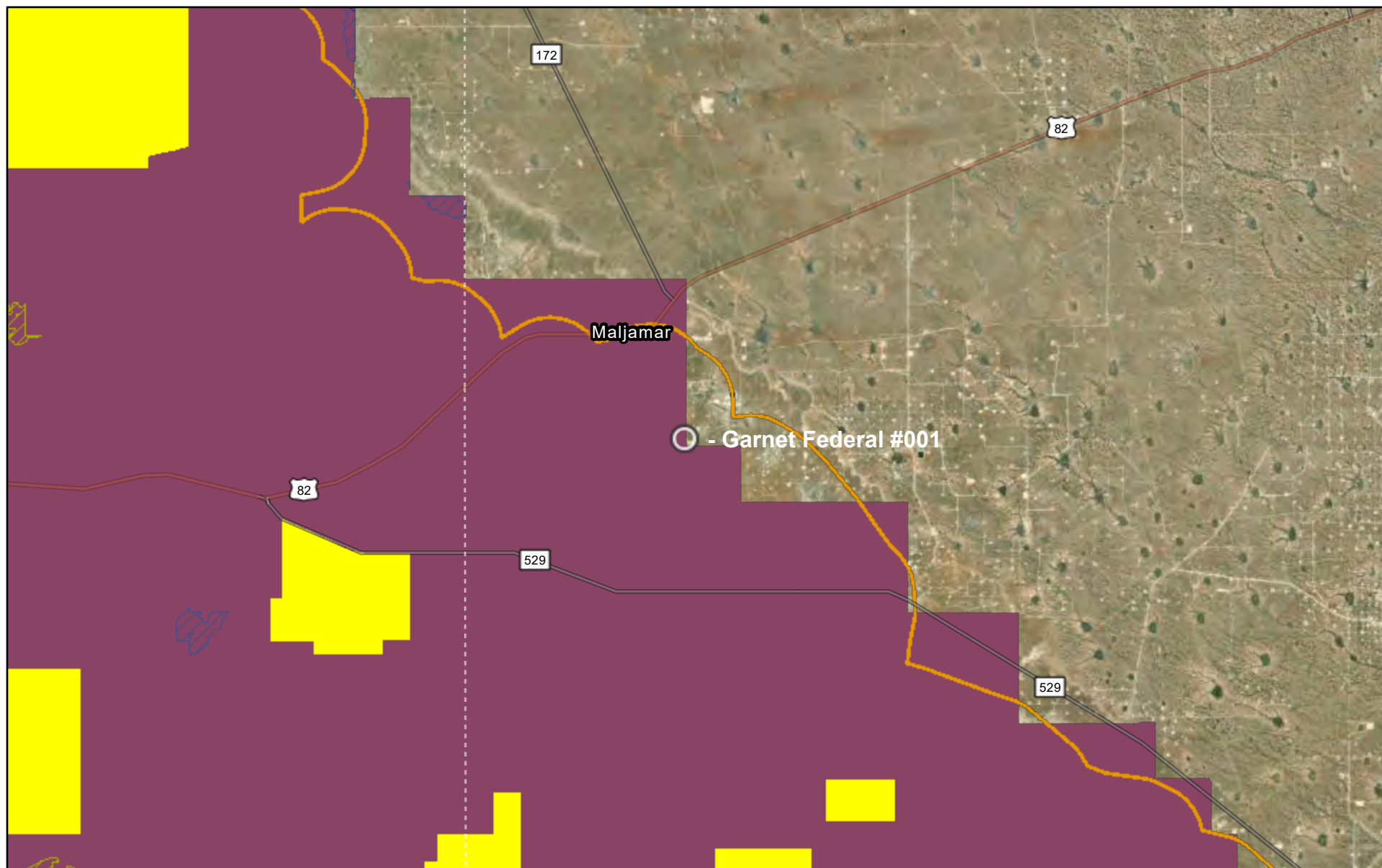
Maverick Permian
API #30-025-41922
Lea County, NM
nKJ1512630688
Proposed Sample Map

Legend

-  Garnet Federal #001
-  POR
-  Proposed horizontal samples
-  Proposed vertical samples
-  Release area - 2300 sqft



Special Status Plant/Wildlife Map



4/7/2025

Potential Habitat (Planning Area Only)

Lee's pincushion cactus	Dunes Sage Brush Lizard Habitat
Scheer's beehive cactus	Lesser Prairie Chicken Habitat
Sharp's blue-star	Habitat Evaluation Area
	Isolated Population Area

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

High Resolution 30cm Imagery
 Citations
 38m Resolution Metadata

1:188,288




0	1.25	2.5	5 mi
0	2	4	8 km

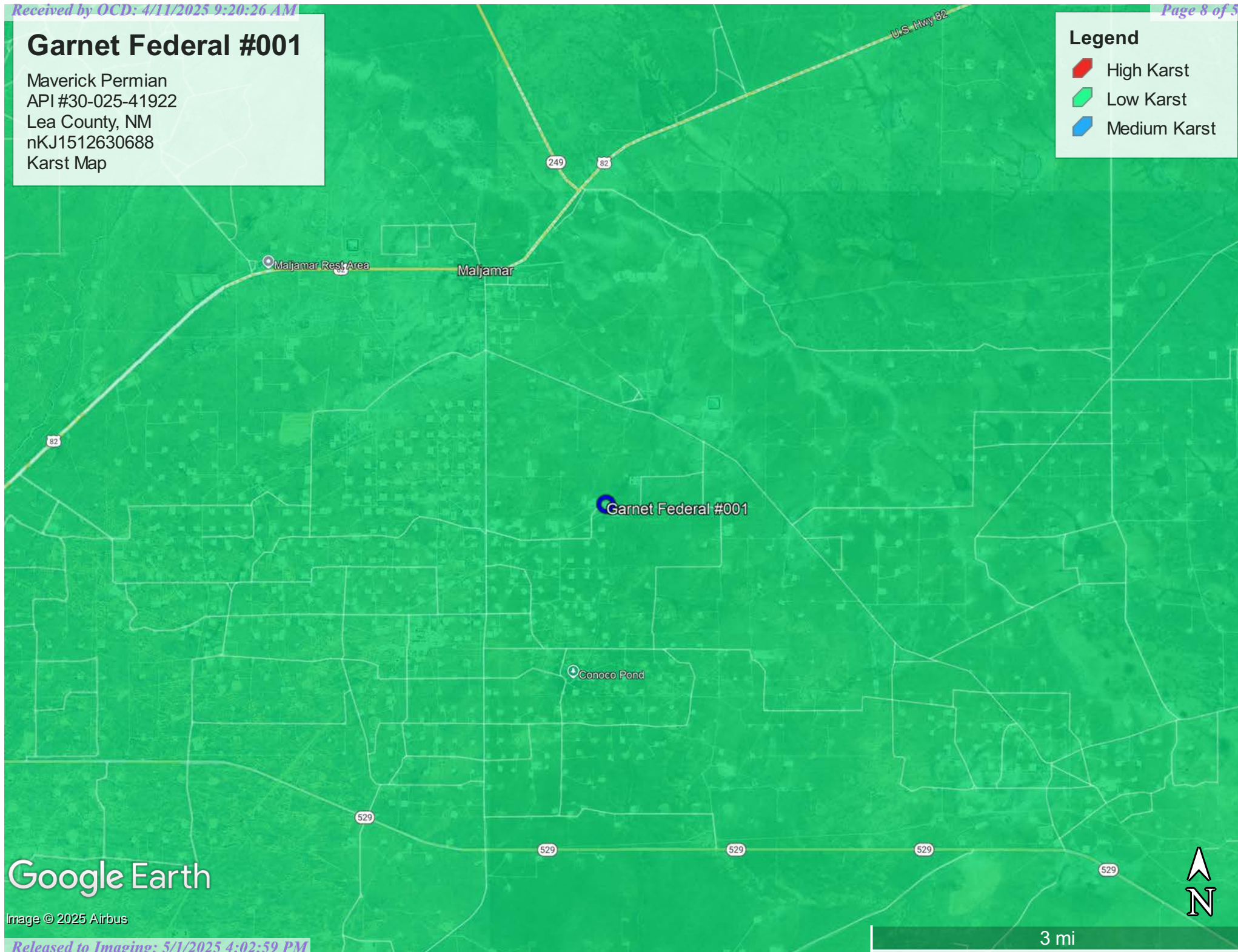
Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

Garnet Federal #001

Maverick Permian
API #30-025-41922
Lea County, NM
nKJ1512630688
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

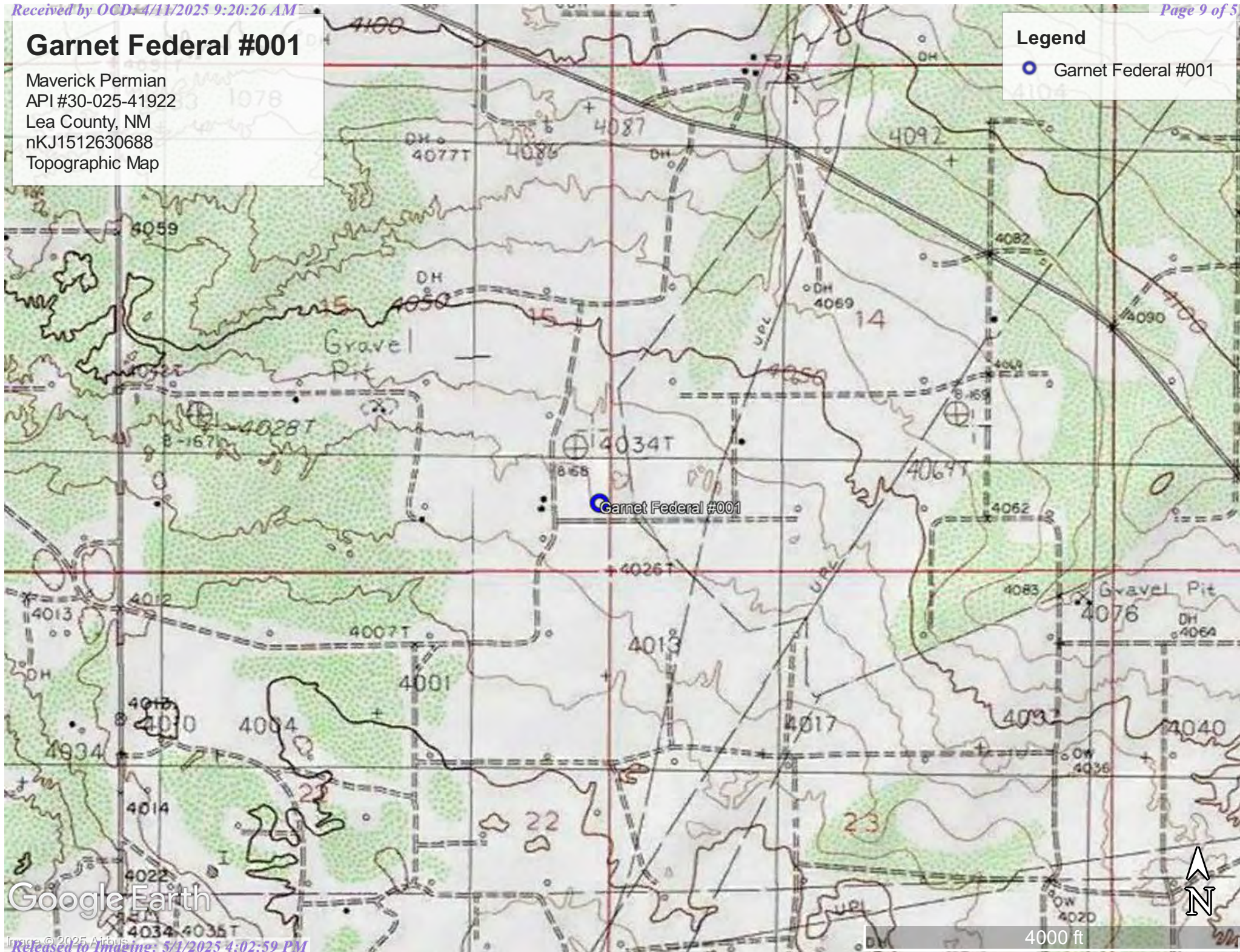
Image © 2025 Airbus

Garnet Federal #001

Maverick Permian
API #30-025-41922
Lea County, NM
nKJ1512630688
Topographic Map

Legend

● Garnet Federal #001




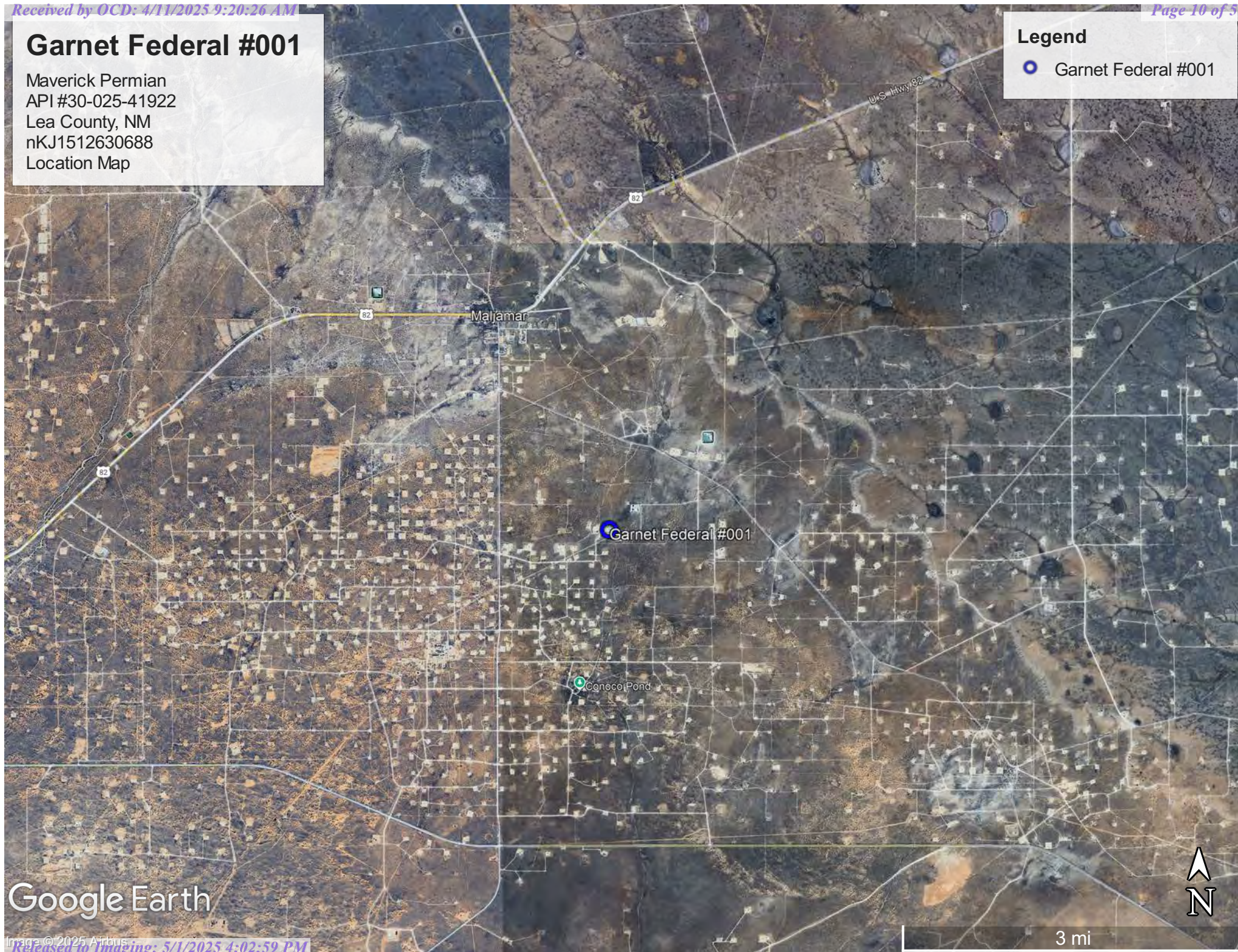
Google Earth

Garnet Federal #001

Maverick Permian
API #30-025-41922
Lea County, NM
nKJ1512630688
Location Map

Legend

 Garnet Federal #001



Google Earth

3 mi



Appendix A

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Jay Garcia
Address: 29 Vacuum Complex Lane	Telephone No. 575-704-2455
Facility Name: Garnett Federal #1	Facility Type: Battery
Surface Owner: NMOCD	Mineral Owner: BLM
API No. 30-025-41922	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	15	17S	32E	685	North	140	East	LEA

Latitude 32.8291833202357, - Longitude 103.746179291067

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 6.27 BBLs	Volume Recovered: 0 BBLs
Source of Release: 3/8 bleeder valve	Date and Hour of Occurrence 05/03/2015 8:00 am	Date and Hour of Discovery 05/03/2015 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding/ Kellie Jones-NMOCD James A Amos-BLM	
By Whom? Jay Garcia	Date and Hour: 05/05/2015 9:00 am	
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.*

RECEIVED

By OCD District 1 at 8:20 am, May 06, 2015

ENV –Agency Reportable – 12 BO – Garnett Federal Battery – RR II – MCBU – Maljamar:

On Sunday May 03, 2015 at 8:00 MDT, at Garnett Federal Battery a reportable spill was found during normal round. The leak was on the inside of the containment and resulted in a release of 12 bbl. of oil with 12 bbl. of oil recovered. The affected area will be power washed and the cause is under investigation. It will be reported to BLM/NMOCD and COPC. This is a PSE Tier 3 event. Consequence: 1, Likelihood: 5, RR: 2

Describe Area Affected and Cleanup Action Taken.*

Release of 10 barrels produced water and 0.7 barrels of oil with none recovered. Affected area was 50 foot by 46 foot X 5 inch deep o caliche pad and was not contained. The affected area will be remediated according to NMOCD guidelines.

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: <i>Jay Garcia</i>		OIL CONSERVATION DIVISION	
Printed Name: Jay Garcia		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: LEAD HSE	Approval Date: 05/06/2015	Expiration Date: 08/06/2015	
E-mail Address: jay.c.garcia@conocophillips.com	Conditions of Approval: Site samples required. Delineate and remediate as per MNOCDC guides. Geotag photographs of remediation required.		Attached <input type="checkbox"/> 217817 1RP-3627
Date: 05/05/2015	Phone: 575-704-2455		

* Attach Additional Sheets If Necessary

pKJ1512631913
nKJ1512630688



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)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
RA 13403 POD1		RA	LE	SW	SW	SE	15	17S	32E	616723.7	3633007.1		634			
RA 11911 POD1		RA	LE	NW	SW	NW	24	17S	32E	619191.6	3632296.7		1982	35		
RA 11684 POD5		RA	LE	SW	NW	SE	11	17S	32E	618353.0	3635047.0		2235	275		
RA 11684 POD1		RA	LE	NW	NW	SE	11	17S	32E	618216.0	3635124.0		2248	275		
L 13047 POD1		L	LE				11	17S	32E	618187.0	3635254.0 *		2358	140		
RA 11684 POD2		RA	LE	NW	NW	SE	11	17S	32E	618313.0	3635248.0		2400	275		
RA 11684 POD3		RA	LE	SW	SW	NW	11	17S	32E	618262.0	3635371.0		2494	275		
RA 11684 POD4		RA	LE	NW	SW	NE	11	17S	32E	618334.0	3635521.0		2660	275		
RA 12521 POD1		RA	LE	SW	SW	SE	21	17S	32E	615126.9	3631271.0		2850	105	92	13
RA 08855		RA	LE	SE	NW	NW	10	17S	32E	616061.0	3635742.0 *		2990	158		
RA 11734 POD1		RA	LE	NE	NE	NW	10	17S	32E	616555.8	3635929.7		2992	165		
RA 12436 POD1		RA	LE	NE	NE	NW	10	17S	32E	616555.8	3635929.7		2992	160	125	35
RA 12020 POD3		RA	LE	NE	NW	NE	28	17S	32E	615151.9	3631019.6		2994	112	83	29

Average Depth to Water: 100 feet

Minimum Depth: 83 feet

Maximum Depth: 125 feet

Record Count: 13

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 617356.79

Northing: 3633046.30

Radius: 03000

* 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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13403-POD1		WELL TAG ID NO.		OSE FILE NO(S). RA-13403			
	WELL OWNER NAME(S) DEVON ENERGY RESOURCES				PHONE (OPTIONAL) 405-318-4697			
	WELL OWNER MAILING ADDRESS 205 E BENDER ROAD # 150				CITY HOBBS			
					STATE NM			
					ZIP 88240			
WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32		MINUTES 49		SECONDS 44.0256		N	
	LONGITUDE -103		45		10.5768			W
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE LYNX FEDERAL # 001								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 1/22/2024		DRILLING ENDED 1/22/2024		DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT) 55	
	COMPLETED WELL IS:		<input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				DEPTH WATER FIRST ENCOUNTERED (FT)	
	DRILLING FLUID:		<input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING METHOD:		<input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
			NO CASING IN HOLE					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
			N/A					

FOR OSE INTERNAL USE

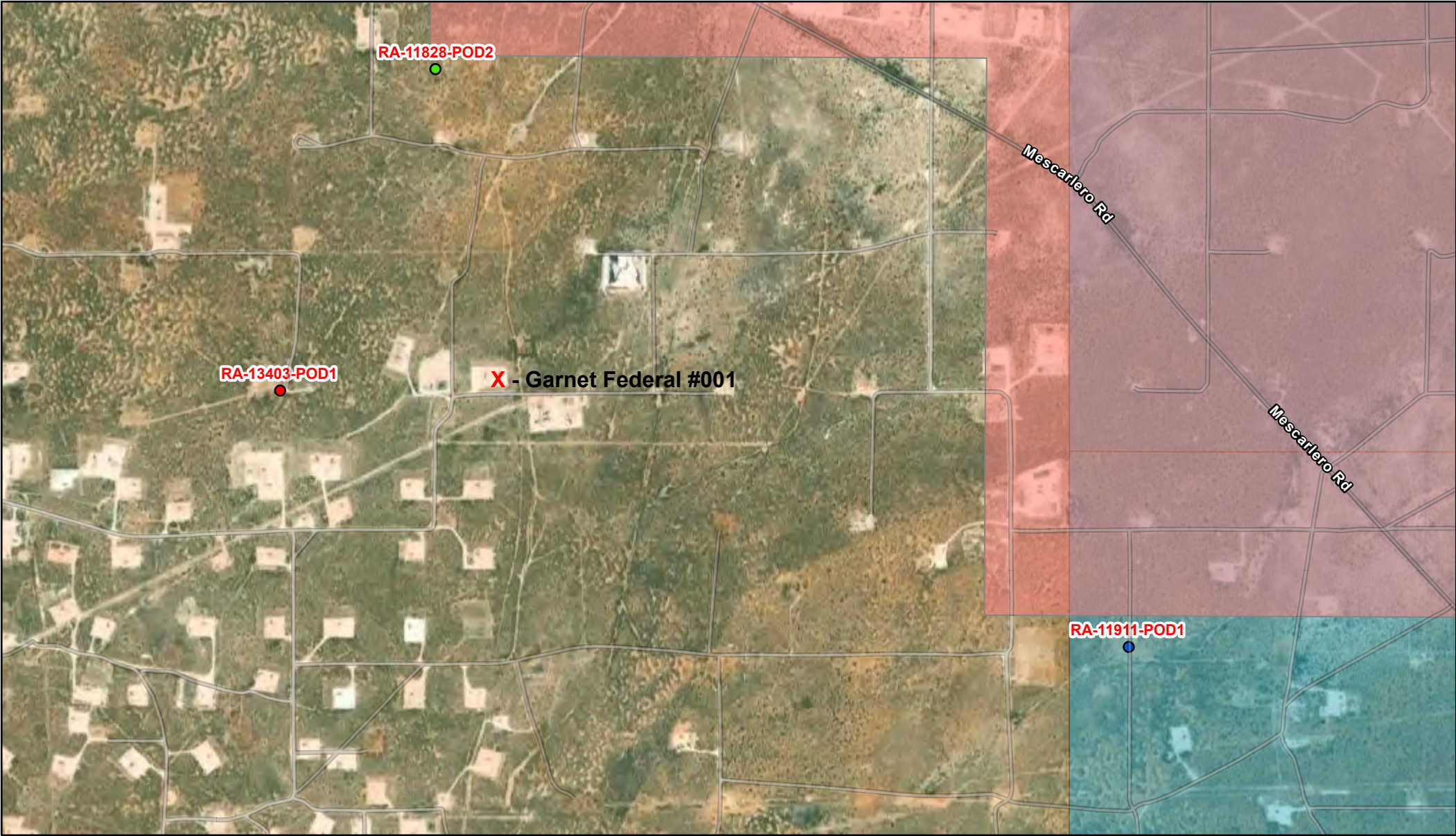
WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	RA-13403	POD NO.	1	TRN NO.	753938
LOCATION	17S. 32E. 15. 334	WELL TAG ID NO.		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL

WB-20 WELL RECORD & LOG (Version 04/30/2019)

OSE POD Location Map



4/7/2025, 2:48:42 PM

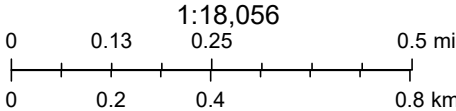
GIS WATERS PODs

- Active
- Pending

- Plugged
- OSE District Boundary

Water Right Regulations

- Critical Management Area - Guidelines
- 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



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[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 =

- 325028103441301

Minimum number of levels = 1

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

USGS 325028103441301 17S.32E.11.34332

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°50'32", Longitude 103°44'24" NAD27

Land-surface elevation 4,095.50 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

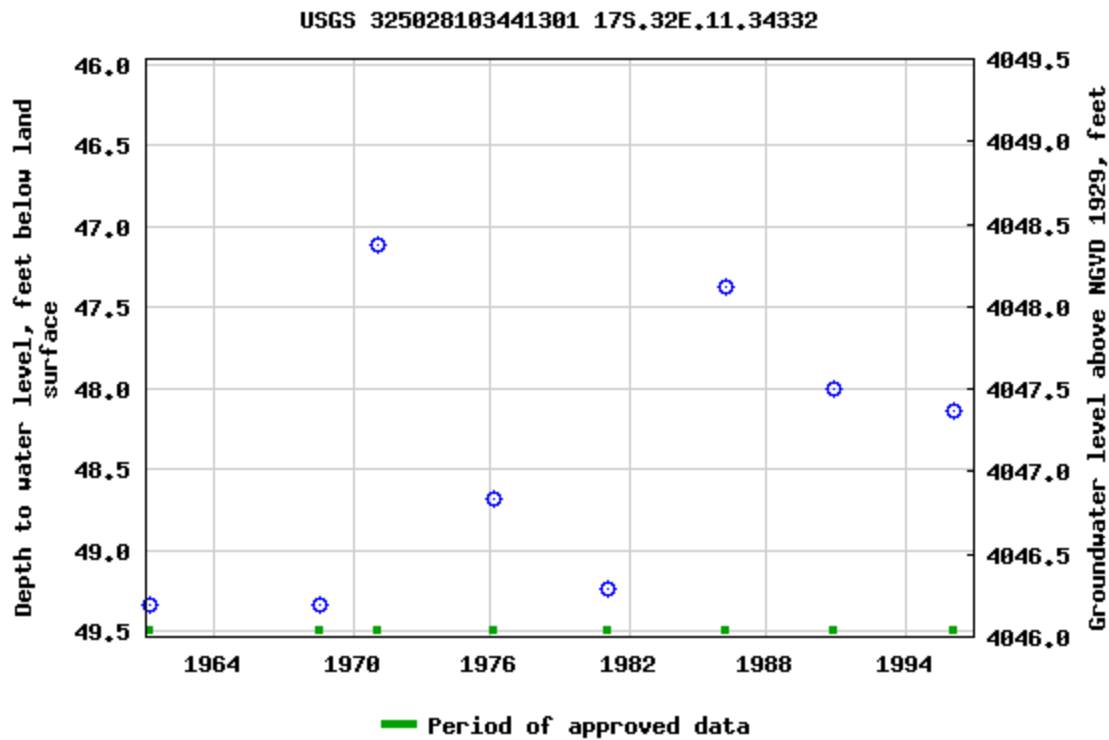
Output formats

[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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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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



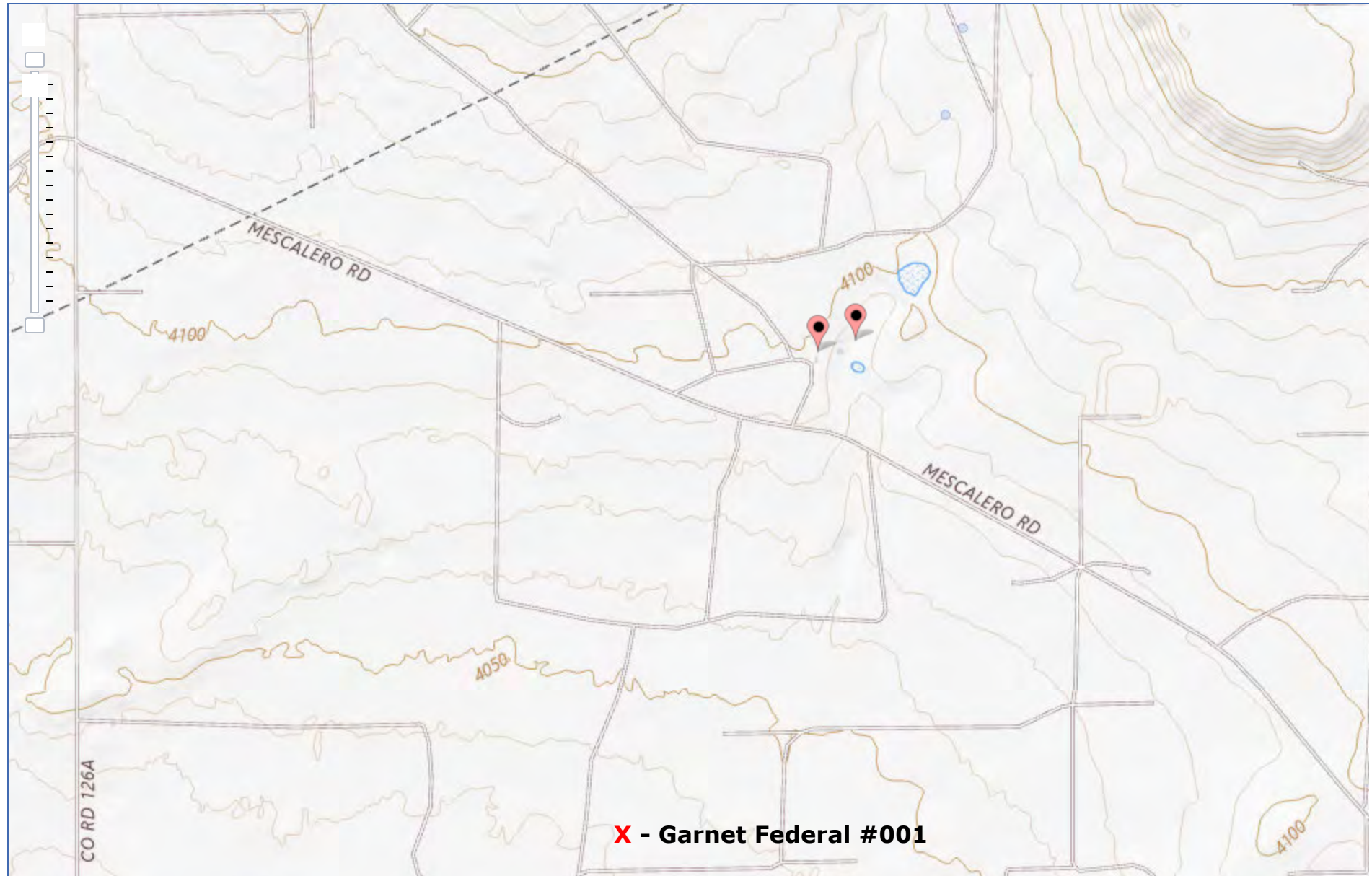
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-04-07 15:52:41 EDT

0.67 0.48 nadww02



National Water Information System: Mapper



Garnet Federal #001

Maverick Permian
API #30-025-41922
Lea County, NM
nKJ1512630688
Surface Water Map

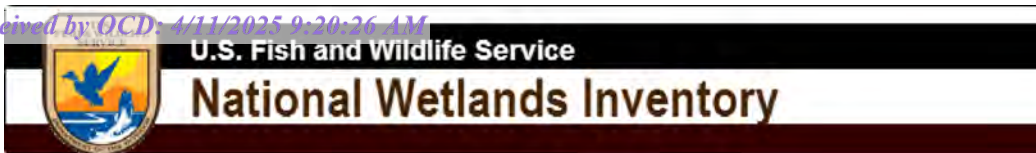
Legend

- 1.36 Miles
- Conoco Pond



Google Earth

Released to Imaging: 5/1/2025 4:02:59 PM



Wetlands Map



April 7, 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°45'5"W 32°50'N



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

1:6,000

103°44'28"W 32°49'30"N

Released to Imaging: 5/1/2025 4:02:59 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
		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 4/7/2025 at 7:55 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: Ratliff-Wink fine sandy loams---Lea County, New Mexico

Lea County, New Mexico

MN—Ratliff-Wink fine sandy loams

Map Unit Setting

National map unit symbol: dmqf

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Ratliff and similar soils: 45 percent

Wink and similar soils: 40 percent

Minor components: 15 percent

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

Description of Ratliff

Setting

Landform: Plains

Landform position (three-dimensional): Dip

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 4 inches: fine sandy loam

Bw - 4 to 22 inches: clay loam

Bk - 22 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.1 inches)

Map Unit Description: Ratliff-Wink fine sandy loams---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Description of Wink**Setting**

Landform: Plains
Landform position (three-dimensional): Dip
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: fine sandy loam
Bk - 12 to 23 inches: sandy loam
B_{Ck} - 23 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (K_{sat}): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

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

Minor Components**Kermit**

Percent of map unit: 6 percent
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Map Unit Description: Ratliff-Wink fine sandy loams---Lea County, New Mexico

Maljamar

Percent of map unit: 5 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Palomas

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

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



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/7/2025
Page 1 of 3

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

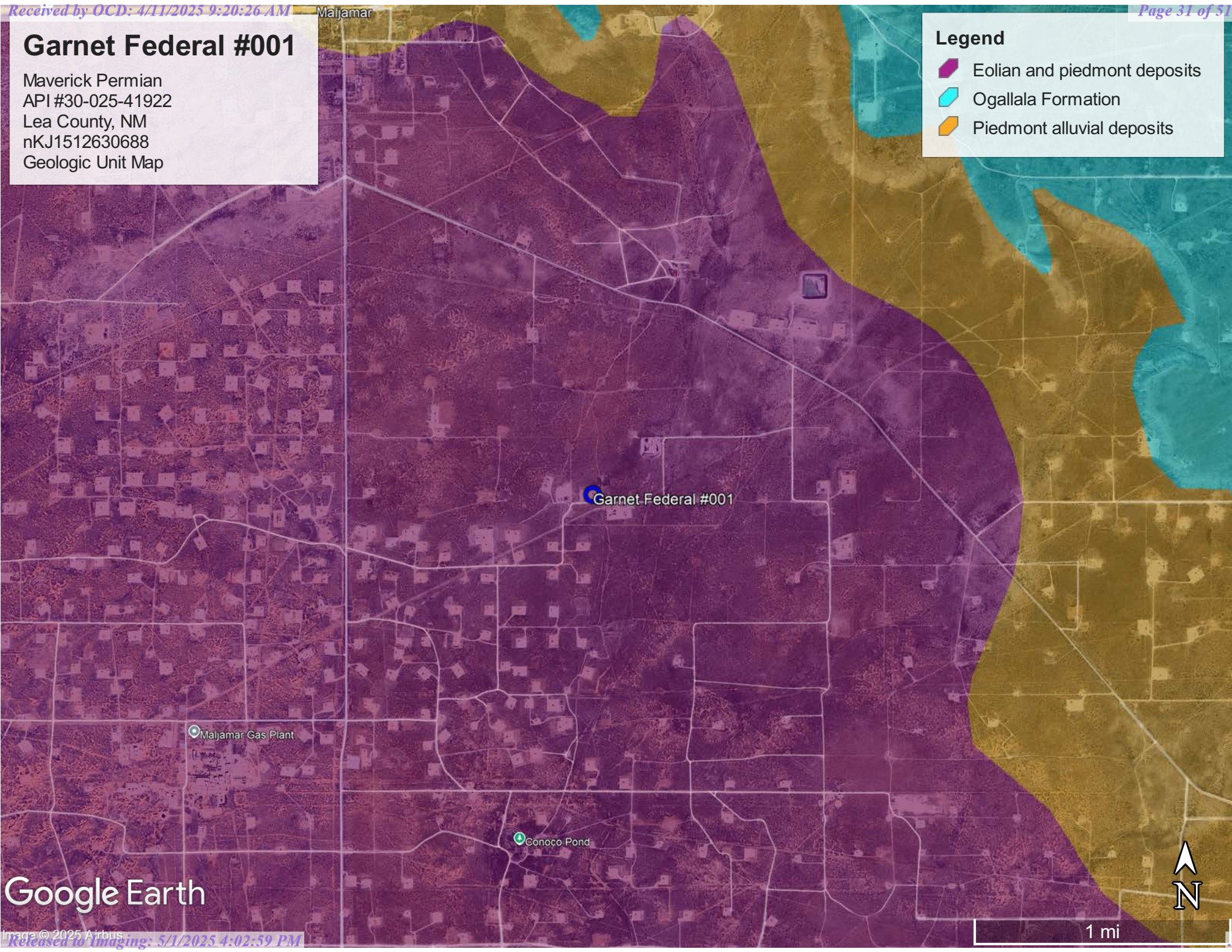
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MN	Ratliff-Wink fine sandy loams	1.9	100.0%
Totals for Area of Interest		1.9	100.0%

Garnet Federal #001

Maverick Permian
API #30-025-41922
Lea County, NM
nKJ1512630688
Geologic Unit Map

Legend

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



Google Earth

1 mi





Appendix D

Photographic Documentation







Appendix E

Soil Closure Request

Incident ID	NKJ1512630688
District RP	1RP-3627
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 Beauvais Title: Environmental Coordinator
Signature: Charles R Beauvais II Date: 03/26/2020
email: charles.r.beauvais@conocophillips.com Telephone: 1-575-745-1959

OCD Only

Received by: Jocelyn Harimon Date: 04/14/2023

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 approved Date: 04/14/2023
Printed Name: Jocelyn Harimon Title: Environmental Specialist

March 3, 2020



Bradford Billings
New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Jim Amos
Department of the Interior - Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Re: **Garnet Federal #1**
NMOCD Ref. No. 1RP-3627
Legals: U/L P, Sec. 15, T17S, R32E
GPS: 32.82922, -103.746572
Soil Closure Request

Etech Environmental & Safety Solutions, Inc (Etech) has prepared the following Soil Closure Request on behalf of ConocoPhillips for the release site known as the Garnet Federal #1.

Introduction & Background

On May 3, 2015, a release was discovered on the 3/8 inch bleeder valve at the SC Federal #2. The release was reported to the NMOCD on May 5, 2015. Based on information provided in the Release Notification and Corrective Action (NMOCD Form C-141), approximately 10 barrels of produced water and 0.7 barrels of crude oil were released. During initial response activities, the bleeder valve was repaired and approximately 0 barrels of free-standing fluid was recovered. A "Site Location Map" is provided as Attachment #1.

Based on information provided by the client, remediation activities were conducted by an alternative environmental contractor that is no longer affiliated with the Site. Environmental records related to the remediation are not readily available. A copy of the initial Form C-141 is provided as Attachment #2.

Field Activities Summary

On January 31, 2020, Etech conducted an inspection at the reported release site. During the the inspection, the reported release Site was identified and a visual inspection was conducted. During the visual inspection, no evidences of soil impacts concurrent with the reported release were noted. Aerial Images of the reported release site are provided as Attachment #3. Site photographs are provided as Attachment #4.

Soil Closure Request

Based on information provided by the client, the absence of soil impacts concurrent with the reported release and the presence of viable vegetation noted during the inspection, ConocoPhillips is requesting Soil Closure be granted to the Site.

Limitations

Etech Environmental & Safety Solutions, Inc., has prepared this Soil Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and/or oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



Daniel Dominguez
Project Manager



Joel Lowry
General Manager

Attachments:

Figure 1 - Site Location Map
Figure 2 - Aerial Image
Site Photographs
NMOCD Form C-141



Legend:	
●	Site Location

Figure 1
 Site Location Map
 ConocoPhillips
 Garnet Federal #1
 GPS: 32.82922, -103.746572
 Lea County, New Mexico



Environmental & Safety Solutions, Inc.



Drafted:	Checked: jwl	Date: 3/3/20
----------	--------------	--------------



Legend:

● Site Location

Figure 2

Aerial Images
ConocoPhillips
Garnet Federal #1
GPS: 32.82922, -103.746572
Lea County, New Mexico



Drafted:

Checked: jwl

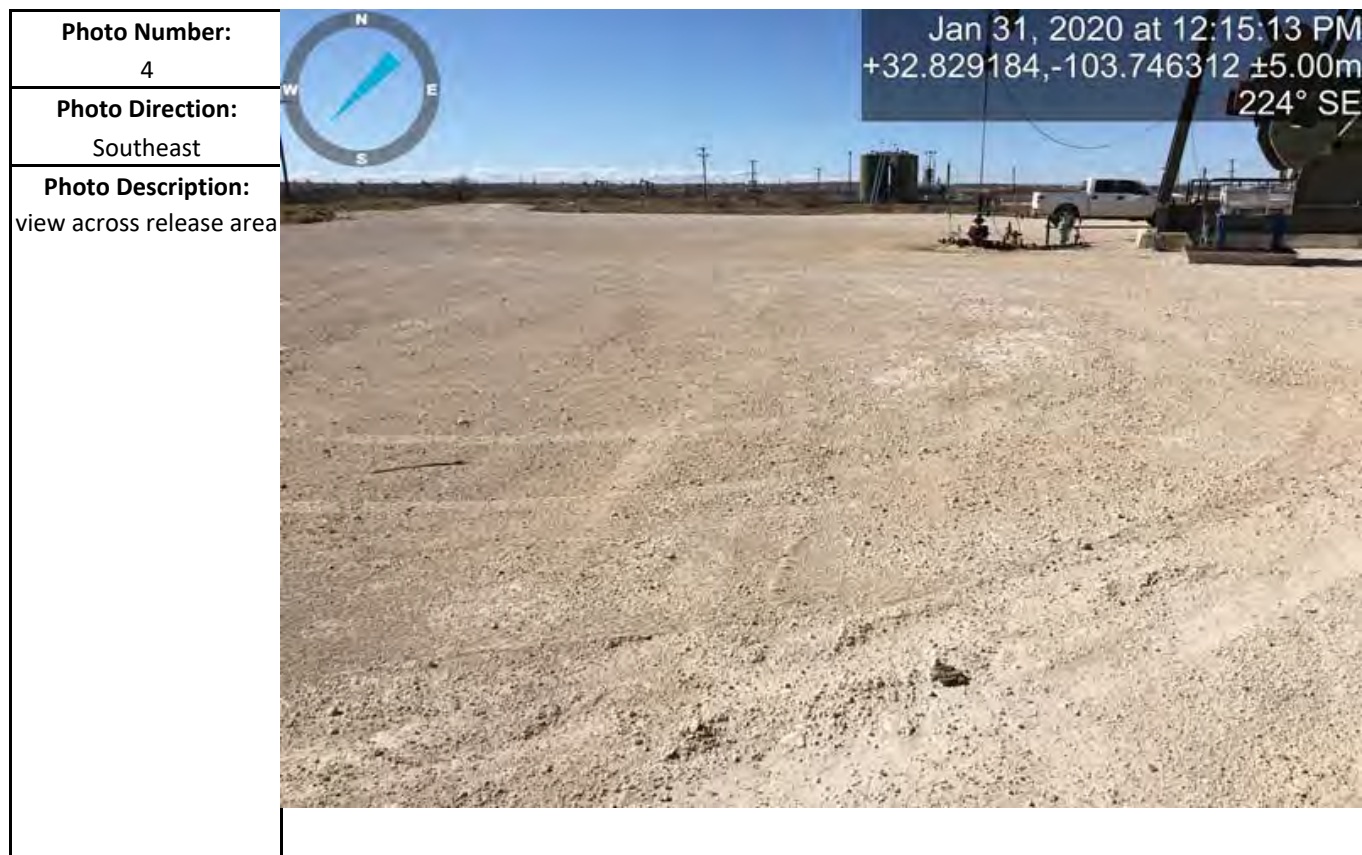
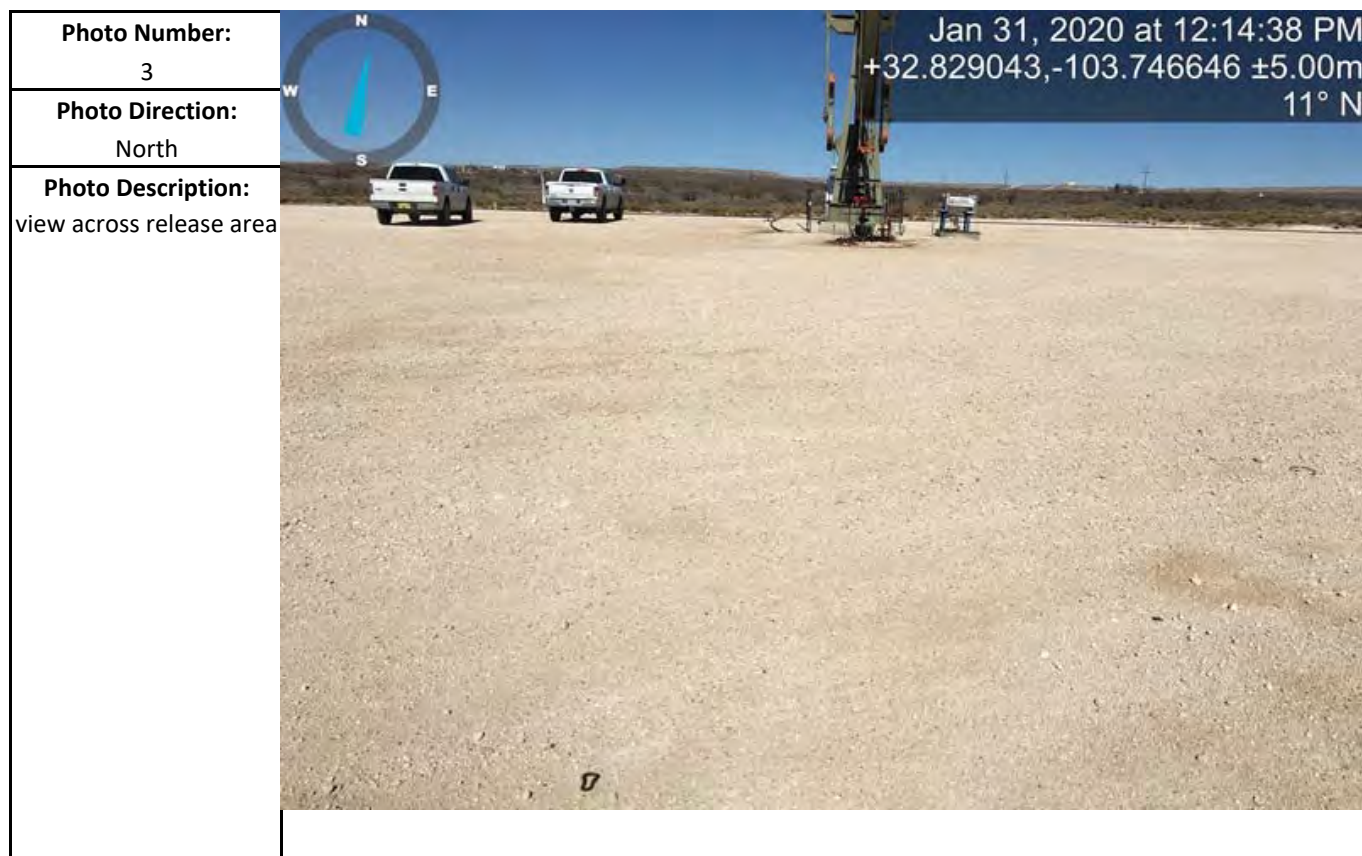
Date:

3/3/20


Photographic Log



Photographic Log



Photographic Log

Photo Number: 5	 <p>Jan 31, 2020 at 12:16:09 PM +32.829407,-103.746615 ±5.00m 165° S</p>
Photo Direction: South	
Photo Description: view across release area	

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Jay Garcia
Address: 29 Vacuum Complex Lane	Telephone No. 575-704-2455
Facility Name: Garnett Federal #1	Facility Type: Battery
Surface Owner: NMOCD	Mineral Owner: BLM
API No. 30-025-41922	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	15	17S	32E	685	North	140	East	LEA

Latitude 32.8291833202357, - Longitude 103.746179291067

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 6.27 BBLS	Volume Recovered: 0 BBLS
Source of Release: 3/8 bleeder valve	Date and Hour of Occurrence 05/03/2015 8:00 am	Date and Hour of Discovery 05/03/2015 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding/ Kellie Jones-NMOCD James A Amos-BLM	
By Whom? Jay Garcia	Date and Hour: 05/05/2015 9:00 am	
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.*

RECEIVED

By OCD District 1 at 8:20 am, May 06, 2015

ENV –Agency Reportable – 12 BO – Garnett Federal Battery – RR II – MCBU – Maljamar:

On Sunday May 03, 2015 at 8:00 MDT, at Garnett Federal Battery a reportable spill was found during normal round. The leak was on the inside of the containment and resulted in a release of 12 bbl. of oil with 12 bbl. of oil recovered. The affected area will be power washed and the cause is under investigation. It will be reported to BLM/NMOCD and COPC. This is a PSE Tier 3 event. Consequence: 1, Likelihood: 5, RR: 2

Describe Area Affected and Cleanup Action Taken.*

Release of 10 barrels produced water and 0.7 barrels of oil with none recovered. Affected area was 50 foot by 46 foot X 5 inch deep o caliche pad and was not contained. The affected area will be remediated according to NMOCD guidelines.

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: <i>Jay Garcia</i>		OIL CONSERVATION DIVISION	
Printed Name: Jay Garcia		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: LEAD HSE	Approval Date: 05/06/2015	Expiration Date: 08/06/2015	
E-mail Address: jay.c.garcia@conocophillips.com	Conditions of Approval: Site samples required. Delineate and remediate as per MNOCDD guides. Geotag photographs of remediation required.		Attached <input type="checkbox"/> 217817 1RP-3627
Date: 05/05/2015	Phone: 575-704-2455		

* Attach Additional Sheets If Necessary

pKJ1512631913
nKJ1512630688

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 451096

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nKJ1512630688
Incident Name	NKJ1512630688 GARNET FEDERAL #001 @ 30-025-41922
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-41922] GARNET FEDERAL #001

Location of Release Source

Please answer all the questions in this group.

Site Name	GARNET FEDERAL #001
Date Release Discovered	05/03/2015
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 6 BBL Recovered: 0 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 451096

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	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	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: 04/11/2025
--	--

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 3

Action 451096

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (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	Between 1 and 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)	176
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	07/01/2025
On what date will (or did) the final sampling or liner inspection occur	07/15/2025
On what date will (or was) the remediation complete(d)	07/31/2025
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	2300
What is the estimated volume (in cubic yards) that will be remediated	341
<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
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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 451096

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	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: 04/11/2025
<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>	

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

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Action 451096

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	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 451096

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	355959
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/21/2024
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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Santa Fe, NM 87505

CONDITIONS

Action 451096

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451096
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions: Under the Site Characterization portion of the C-141 application update the minimum distances to the following with resubmittal: an occupied permanent residence (1/2-1 mile N) and a wetland (1/2-1 mile N is a freshwater pond). Variance request to use delineation samples for closure is approved should sample results be below Table I Closure Criteria. Submit remediation closure report to the OCD by 7/30/2025.	5/1/2025