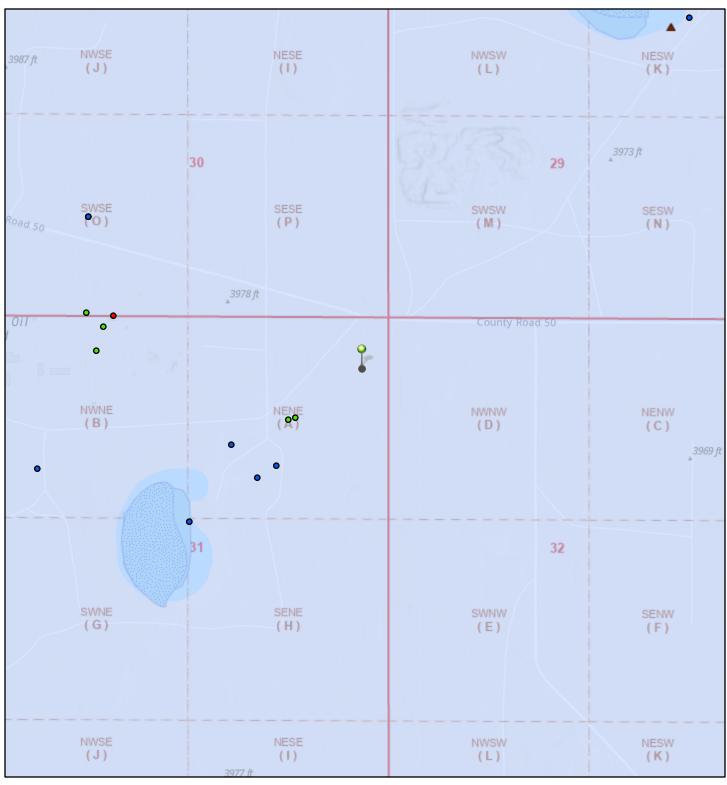
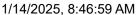
***** LIQUID SPILLS - VOLUME CALCULATIONS ******

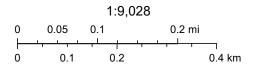
Rectangle Area #1	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
Input Data: OIL: WATER: BBL	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
If spill volumes from measurement, i.e. metering, tank volumes, etc.are known enter the volumes here:	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
If spill volumes from measurement, i.e. metering, tank volumes, etc.are known enter the volumes here: BBL BBL	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
Total Area Calculations Standing Liquid Calculations Standing Liquid Calculations Standing Liquid Calculations Standing Liquid Calculations	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
Total Surface Area width length depth oil (%) Standing Liquid Area width length liquid depth oil (%) Rectangle Area #1 20.00 ft 30 10.00 ft X 12.00 in 55.00% Rectangle Area #1 20.00 ft X 10.00 ft X 10.00 ft X 12.00 in 55.00% Rectangle Area #2 10.00 ft X 10.00 ft X 0.75 in 55 Rectangle Area #3 30.00 ft X 15.00 ft X 12.00 in 55.00% Rectangle Area #3 30.00 ft X 15.00 ft X 15.00 ft X 12.00 in 55.00% Rectangle Area #3 30.00 ft X 15.00 ft X 1	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
Total Surface Area width length depth oil (%) Standing Liquid Area width length liquid depth oil (%) Rectangle Area #1 20.00 ft 30 10.00 ft X 12.00 in 55.00% Rectangle Area #2 10.00 ft X 10.00 ft X 10.00 ft X 12.00 in 55.00% Rectangle Area #2 10.00 ft X 10.00 ft X 0.75 in 50 Rectangle Area #3 30.00 ft X 15.00 ft X 15.00 ft X 12.00 in 55.00% Rectangle Area #3 30.00 ft X 15.00 ft X 15	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
Rectangle Area #1	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
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Rectangle Area #3	in 55.00% in 55.00% in 55.00% in 55.00% in 55.00%
Rectangle Area #4 15.00 ft X 15.00 ft X 12.00 in 55.00% Rectangle Area #4 15.00 ft X 15.00 ft X 0.75 in 55 Rectangle Area #5 5.00 ft X 10.00 ft X 12.00 in 55.00% Rectangle Area #5 5.00 ft X 5.00 ft X 0.75 in 55 Rectangle Area #6 40.00 ft X 10.00 ft X 12.00 in 55.00% Rectangle Area #6 40.00 ft X 10.00 ft X 0.50 in 55 Rectangle Area #7 20.00 ft X 10.00 ft X 12.00 in 55.00% Rectangle Area #7 15.00 ft X 10.00 ft X 0.50 in 55 Rectangle Area #8 0.00 ft X 0.00 in 0.00% Rectangle Area #8 0.00 ft X 0.00 ft X 0.00 in 0.00%	in 55.00% in 55.00% in 55.00% in 55.00%
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Rectangle Area #8 0.00 ft X 0.00 in 0.00% Rectangle Area #8 0.00 ft X 0.00 ft X 0.00 in 0.00 in	
production system leak - DAILY PRODUCTION DATA REQUIRED	
production system leak - DAILY PRODUCTION DATA REQUIRED	
Average Daily Production: Oil Water	
BBL BBL	
Did leak occur before the separator?: X YES N/A (place an "X")	
Amount of Free Liquid 45 BBL Okay Percentage of Oil in Free Liquid 55.00%	
Recovered: Recovered: (percentage)	
Liquid holding factor *: 0.14 gal per gal Use the following when the spill wets the grains of the soil. Use the following when the liquid completely fills the pore space of the soil:	
Explaid froming raction . Use year year on the spin when the spin spin so the solor. See the following when the spin spin solor solor of soil. Occurse when the spin solor solor solor of soil. Occurse when the spin solor solor solor of soil.	
sariu - Jou gariuqui per gianiun vicunire ir soin. * gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil. * gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.	•
* sandy claim to judinity - 14 gallon liquid per gallon volume of soil. * sandy claim = 5. gallon itiguid per gallon volume of soil. * sandy loam = 5. gallon itiguid per gallon volume of soil.	
* clay loam = .16 gallon liquid per gallon volume of soil.	
Saturated Soil Volume Calculations: H2O OIL H2O OIL H2O OIL	
Total Solid/Liquid Volume: 1,600 sq. ft. 720 cu. ft. 880 cu. ft. Total Free Liquid Volume: 1,550 sq. ft. 38 cu. ft. 47 cu. ft.	cu. ft.
Estimated Volumes Spilled Estimated Production Volumes Lost	
H2O OIL H2O OIL Liguid in Soil: 18.0 BBL 21.9 BBL Estimated Production Spilled: 0.0 BBL 0.0 BBL	
Liquid in Soil: 18.0 BBL 21.9 BBL Estimated Production Spilled: 0.0 BBL 0.0 BBL Free Liquid: 6.8 BBL 8.4 BBL	DDI
Totals: 24.8 BBL 30.3 BBL Estimated Surface Damage	BBL
Surface Area: 1,600 sq. ft.	BBL
Oundoo Aroa. 1,000 Sq. II.	BBL
Total Spill Liquid: 24.8 BBL 30.3 BBL Surface Area: .0367 acre	BBL
	BBL
Total Spill Liquid: 24.8 BBL 30.3 BBL Surface Area: .0367 acre Recovered Volumes Estimated Weights, and Volumes	
Total Spill Liquid: 24.8 BBL 30.3 BBL Surface Area: .0367 acre	cu.yds.

OCD Well Locations









BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, USGS, OCD, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE, BLM



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 C=the file is water right file.)

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth		Water Column
L 14183 POD2		L	LE	SW	NE	NE	31	17S	35E	641304.0	3629691.0	•	258	227	105	122
L 14183 POD1		L	LE	SW	NE	NE	31	17S	35E	641266.4	3629667.1	•	301	229	106	123
L 14183 POD3		L	LE	SW	NE	NE	31	17S	35E	641213.2	3629731.0	•	302	227	104	123
<u>L 03875 S2</u>	R	L	LE			NE	31	17S	35E	641131.0	3629576.0 *		462	120	95	25
<u>L 03875 S4</u>		L	LE			NE	31	17S	35E	641131.0	3629576.0 *	•	462	120		
L 15787 POD1		L	LE	SE	SW	SE	30	17S	35E	640972.0	3629985.7	•	509	47		
L 03875 POD6		L	LE		SW	SE	30	17S	35E	640919.0	3630183.0 *	•	627	140	104	36
L 03875 POD7		L	LE		SW	SE	30	17S	35E	640919.0	3630183.0 *	•	627	140	104	36
L 03875 POD8		L	LE		SW	SE	30	17S	35E	640919.0	3630183.0 *	•	627	140	104	36
<u>L 03875 S</u>	R	L	LE		SW	SE	30	17S	35E	640919.0	3630183.0 *	•	627	120	96	24
<u>L 03875 S3</u>	R	L	LE		SW	SE	30	17S	35E	640919.0	3630183.0 *	•	627	120	95	25
<u>L 03874</u>		L	LE	SW	NW	NE	31	17S	35E	640823.0	3629678.0 *	•	682	229	90	139
<u>L 03875</u>		L	LE	SW	SW	SE	30	17S	35E	640818.0	3630082.0 *		682	147		
<u>L 03876</u>		L	LE	SW	SW	SE	30	17S	35E	640818.0	3630082.0 *	•	682	141		

Average Depth to Water: 100 feet

Minimum Depth: 90 feet

Maximum Depth: 106 feet

Record Count: 14

Basin/County Search:

Basin: L

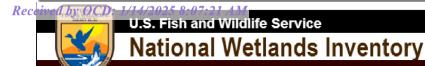
UTM Filters (in meters):

Easting: 641472.2 **Northing:** 3629887.5

Radius: 800

* UTM location was derived from PLSS - see Help

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



VGEU West Battery Wetlands



January 14, 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.

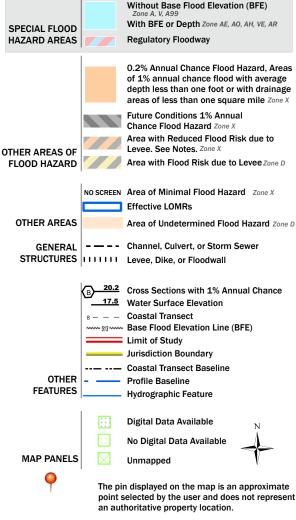
ORelease To Imaging: 1/14/2025 P.94:15 PM

National Flood Hazard Layer FIRMette



Legend

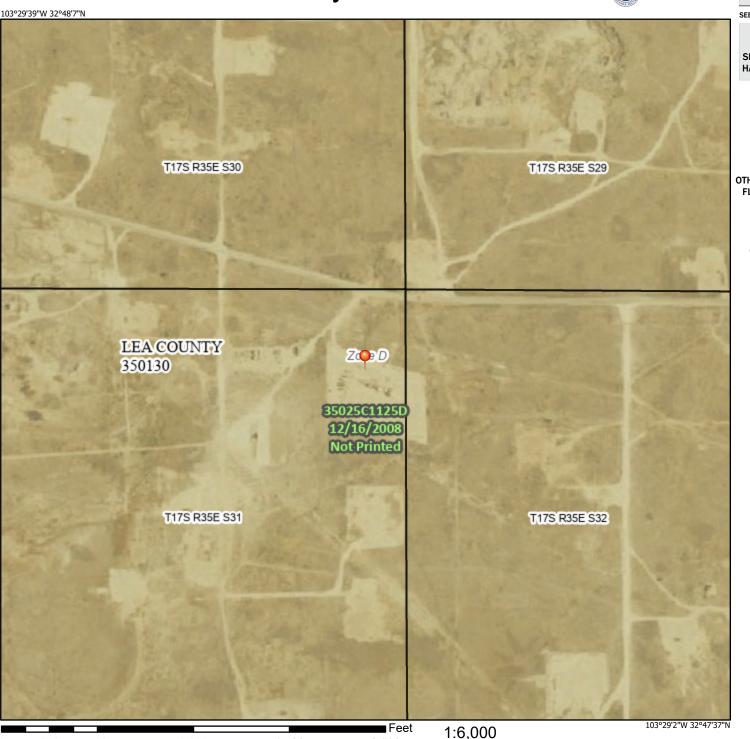
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



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 1/14/2025 at 3:00 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.



2,000

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 420244

QUESTIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	420244
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2436239879				
Incident Name	NAPP2436239879 VGEU WEST BATTERY TESTER RELEASE @ 0				
Incident Type	Oil Release				
Incident Status	Initial C-141 Received				

Location of Release Source					
Please answer all the questions in this group.					
Site Name	VGEU West Battery Tester Release				
Date Release Discovered	12/26/2024				
Surface Owner	State				

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

Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications t	or the volumes provided should be attached to the follow-up C-141 submission.			
Crude Oil Released (bbls) Details	Cause: High Line Pressure Valve Crude Oil Released: 30 BBL Recovered: 25 BBL Lost: 5 BBL.			
Produced Water Released (bbls) Details	Cause: High Line Pressure Valve Produced Water Released: 25 BBL Recovered: 20 BBL Lost: 5 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)	On December 26, 2024, Maverick operations identified that the pressure safety valve on a portable tester was discharging a mixture of oil and produced water due to over pressure conditions resulting in the release of approximately 30 bbls of oil and 25 bbls of produced water onto the facility pad. Approximately 45 bbls of fluid was reported as recovered during the initial response.			

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

QUESTIONS, Page 2

Action 420244

QUESTI	ONS (continued)			
Operator: Maverick Permian LLC	OGRID: 331199			
1000 Main Street, Suite 2900 Houston, TX 77002	Action Number: 420244			
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)			
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. I			
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 ed 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 releate 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 require ases 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 to 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: 01/14/2025			

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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 420244

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	420244
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

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 100 and 500 (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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
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	Yes

Remediation Plan						
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.						
Requesting a remediation plan approval with this submission	No					
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

CONDITIONS

Action 420244

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	420244
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	Initial C-141 approved with the following condition: Under the Site Characterization section of C-141 application, minimum distance to a significant watercourse should be updated to between 1-5 miles; 2.3 miles to the northeast of site is a significant watercourse. The distance to a wetland could also change after delineation of the release is complete.	1/14/2025