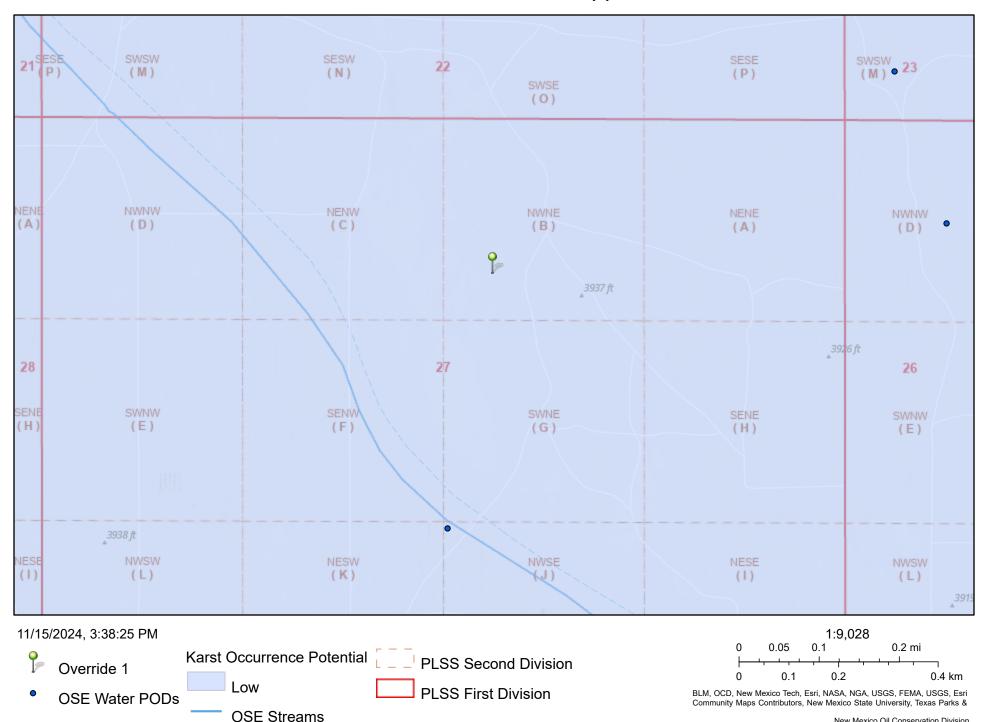
Received by OCD: 11/15/2024 2:53:54 PM

### \*\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*\*

Loca	ation of Spill: VGEU	#001 Well Head	d	_	Date of Spill:	11/1	5/2024		
		•		•	n equipment, i.e wellhead, st pump, or storage tank place a				
				In	put Data:				
						OIL:	WATER:		
lf spill volur	mes from measureme	ent, i.e. metering	յ, tank volumes	, etc.are kno	wn enter the volumes here:	2.0000 BBL	10.0000 BE	3L	
lf "knov	vn" spill volumes ar	e given, input d	lata for the fol	lowing "Are	a Calculations" is optional.	The above will o	override the calculated	volumes.	
	Total Area Calcu	ulations			-	Standing I	iquid Calculations		
	Total Alca Galo	uiutiono	wet soil			Otanianing L	<u> </u>	<u>'</u>	
Total Surface Area	width	length	depth	oil (%)	Standing Liquid Area	width	length	liquid dep	oth oil (%)
Rectangle Area #1	8.00 ft X	80.00 ft X	3.00 in	16.70%	Rectangle Area #1	0.00 ft	X 0.00 ft	X 0.00	
Rectangle Area #2	15.00 ft X	90.00 ft X	3.00 in	16.70%	Rectangle Area #2	0.00 ft	X 0.00 ft	X 0.00	in 0.00%
Rectangle Area #3	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #3	0.00 ft	X 0.00 ft	X 0.00	in 0.00%
Rectangle Area #4	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #4	0.00 ft	X 0.00 ft	X 0.00	in 0.00%
Rectangle Area #5	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #5	0.00 ft	X 0.00 ft	X 0.00	in 0.00%
Rectangle Area #6	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #6	0.00 ft	X 0.00 ft	X 0.00	in 0.00%
Rectangle Area #7	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #7	0.00 ft	X 0.00 ft	X 0.00	
Rectangle Area #8	0.00 ft X	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%
Did leak occur before the sep  Amount of Free Liquid Recovered: Liquid holding factor *:	2 BBL  0.14 gal per ga	okay  Use the form * sand = * gravelly * sandy co	ollowing when the .08 gallon liquid pe (caliche) loam = .	spill wets the gr er gallon volume 14 gallon liquid gallon liquid pe	ains of the soil.  e of soil.  per gallon volume of soil.  r gallon volume of soil.	Recovered:  se the following where coures when the spill gravelly (caliche) loar	.70% (percentage)  In the liquid completely fills the soaked soil is contained by both m = .25 gallon liquid per gallon on liquid per gallon volume of so	arriers, natural (or not) n volume of soil.	
		•							
Saturated Soil Volui	me Calculations:		011		<u>Free Liquid V</u>	<u>'olume Calculati</u>		011	
Total Solid/Liquid Volume:	1,990 sq. ft.	<u>H2O</u> 414 cu. ft.	<u>OIL</u> 83 cu. 1	ft.	Total Free Liquid Volume:	sq. f	<u>H2O</u> t. cu	<u>OIL</u> ı. ft.	cu. ft.
Estimated Volumes	Spilled				<b>Estimated Productio</b>	on Volumes Lost	:		
Liqu	uid in Soil: ree Liquid: Totals:	H2O 10.3 BBL 0.0 BBL 10.3 BBL	OIL 2.1 BBL 0.0 BBL 2.1 BBL		Estimated Product  Estimated Surfa  Surface Area:	tion Spilled:	<u>H2O</u> 10.0 BE	OIL 3L 2.0	BBL
Total S	Spill Liquid:	10.0 BBL	2.0 BBL	_	Surface Area:	.0457 acre			
Recovered Volum					Estimated Weights	, and Volumes			
Estimated oil recovered: Estimated water recovered:	0.3 BBL 1.2 BBL	check - c	•		Saturated Soil = Total Liquid =	55,720 lbs 12 BBL	498 cu 504 ga		cu.yds.

### VGEU #001 - OCD Mapper





## New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance		Depth Water	
<u>L 05207</u>		L	LE			27	17S	35E	645552.0	3630825.0 *		514	140	60	80

Average Depth to Water: 60 feet

Minimum Depth: 60 feet

Maximum Depth: 60 feet

**Record Count:** 1

**Basin/County Search:** 

**County: LE** 

**UTM Filters (in meters):** 

**Easting:** 645635.00 **Northing:** 3631333.00

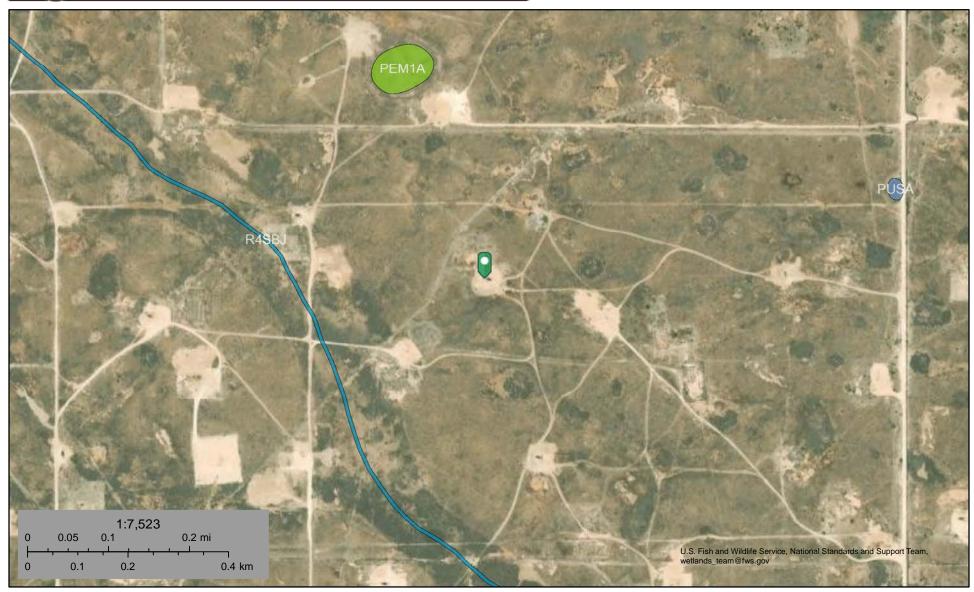
Radius: 800

\* 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 #001 Wetlands



November 15, 2024

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake

Other

Freshwater Forested/Shrub Wetland

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 Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 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 OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES | LILLILL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary — --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate

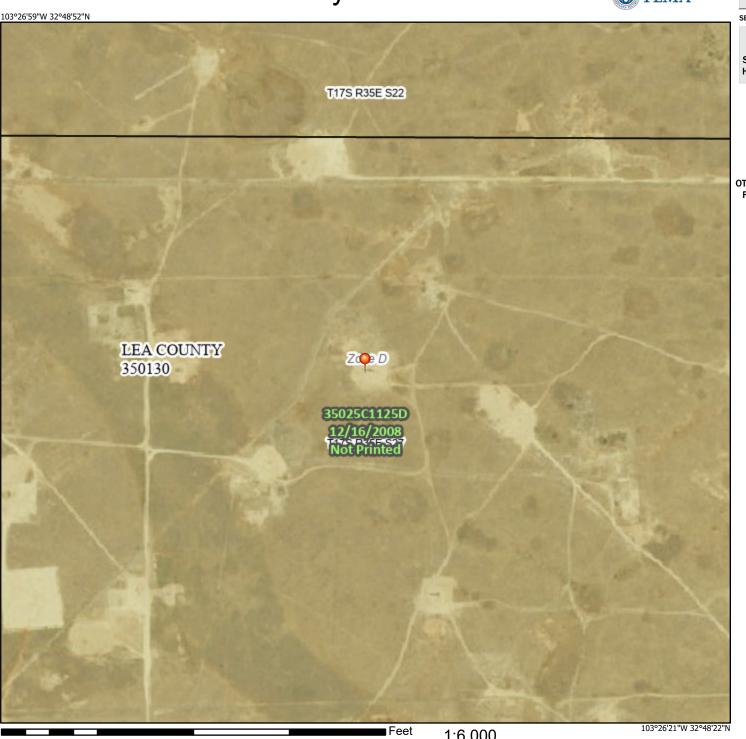
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/15/2024 at 9:43 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 403821

#### **QUESTIONS**

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	403821
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2432051574
Incident Name	NAPP2432051574 VGEU #001 WELLHEAD RELEASE @ 30-025-20624
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-20624] VACUUM GLORIETA EAST UNIT #001

Location of Release Source					
Please answer all the questions in this group.					
Site Name	VGEU #001 Wellhead Release				
Date Release Discovered	11/15/2024				
Surface Owner	State				

ncident 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 t	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Corrosion   Well   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion   Well   Produced Water   Released: 10 BBL   Recovered: 1 BBL   Lost: 9 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 November 15, 2024, The operator identified a release of approximately 10 bbls of produced water and 2 bbls of oil from the VGEU #001 well head onto the pad and pasture to the south of the well pad. Approximately 2 bbls of fluids were 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 403821

**QUESTIONS** (continued)

Operator:  Maverick Permian LLC	OGRID: 331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	403821
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	liation 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 avaluation 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	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 be adequately investigate and remediate contamination that pose a threat to groundwater, surface it 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: 11/15/2024

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storage site

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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 403821

**QUESTIONS** (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	403821
	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 approval 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 Between 51 and 75 (ft.) release in feet below ground surface (ft bgs) What method was used to determine the depth to ground water NM OSE iWaters Database Search Did this release impact groundwater or surface water 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 Greater than 5 (mi.) Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) Between 1000 (ft.) and 1/2 (mi.) An occupied permanent residence, school, hospital, institution, or church Greater than 5 (mi.) A spring or a private domestic fresh water well used by less than five households Between ½ and 1 (mi.) for domestic or stock watering purposes Any other fresh water well or spring Between 1000 (ft.) and 1/2 (mi.) Incorporated municipal boundaries or a defined municipal fresh water well field Greater than 5 (mi.) Between 500 and 1000 (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 A 100-year floodplain Greater than 5 (mi.)

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.					

Yes

Did the release impact areas not on an exploration, development, production, or

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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 403821

#### **CONDITIONS**

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	403821
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/18/2024