Received by OCD: 2/27/2024 10:15:40 AM

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

Location of Spill: SEMU Permian 015 Flowline Release)	Date of Spill:	1,	/9/2024				
					n equipment, i.e wellhead, pump, or storage tank place		K			
				In	put Data:					
						OIL:		WATER:		
If spill volum	nes from measureme	ent, i.e. metering,	tank volumes	, etc.are kno	wn enter the volumes here:	<u>13.0000</u> BB	L	2.0000 BBL		
If "know	n" spill volumes ar	e given, input da	ita for the fol	lowing "Are	a Calculations" is optional	I. The above will	l override the	e calculated vo	olumes.	
,	Total Area Calcu	ulations				Standing	Liquid Ca	Iculations		
			wet soil							
Total Surface Area	width	length	depth	oil (%)	Standing Liquid Area	width		length	liquid depth	oil (%)
Rectangle Area #1	20.00 ft X	30.00 ft X	6.00 in	86.00%	Rectangle Area #1	15.00 ft	X	20.00 ft	X 0.75 in	86.00%
Rectangle Area #2	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #2		X	0.00 ft >		0.00%
Rectangle Area #3	0.00 ft X	0.00 ft X	0.00 in	0.00%	Rectangle Area #3		X	0.00 ft >		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 in	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 >	0.00 in	0.00%
Did leak occur before the sepa Amount of Free Liquid Recovered: Liquid holding factor *:	0 BBL 0.14 gal per ga	okay Use the fol * sand = .0 * gravelly (* sandy cla	,	spill wets the gr er gallon volume 14 gallon liquid gallon liquid pe	e of soil. per gallon volume of soil. r gallon volume of soil.	in Free Liquid Recovered: Use the following who Occures when the sp * gravelly (caliche) lo * sandy loam = .5 gal	en the liquid con bill soaked soil is am = .25 gallon	contained by barrie	ers, natural (or not). Dlume of soil.	
Saturated Soil Volun	ne Calculations:				Free Liquid	Volume Calcula	tions:			
<u>Saturated Son Folding</u>		<u>H2O</u>	<u>OIL</u>		i roc Eiquiu	J.G.IIIO Jaioala		<u>H2O</u>	<u>OIL</u>	
Total Solid/Liquid Volume:	600 sq. ft.	42 cu. ft.	258 cu. 1	ft.	Total Free Liquid Volume:	300 sq.	ft.	3 cu. ft		ft.
Estimated Volumes S	Spilled				Estimated Product	tion Volumes Los	st			
		<u>H2O</u>	<u>OIL</u>					<u>H2O</u>	<u>OIL</u>	
•	uid in Soil:	1.0 BBL	6.4 BBL		Estimated Produ	uction Spilled:		2.0 BBL	13.0 BBI	-
Fre	ee Liquid:	0.5 BBL	2.9 BBL 9.3 BBL	1	F-4'4-4 0	· · · · · · · · · · · · · · · · · · ·				
	Totals:	1.5 BBL	9.3 BBL	-	Estimated Sur Surface Area:		ft.			
Total Sp	pill Liquid:	2.0 BBL	13.0 BBL	_	Surface Area:					
Recovered Volum	1es				Estimated Weigh	ts, and Volumes				
Estimated oil recovered: Estimated water recovered:	0.0 BBL 0.0 BBL	check - ol check - ol	•		Saturated Soil = Total Liquid =	,		300 cu.ft. 630 gallor	,	/ds.

Dry

Ν

Ν

Ν

Ν

Ν

Ν

Ν

Ν

Ν

Ν

	7		NI	6	01		R.A	Sample Name: BH01 (L-15389) Site Name: SEMU Eumont #068	Date: 9/27/2022
ENSOLUM				Incident Number: nAPP2228376108					
								Job Number: 03D2057017	
	LITHOLOGIC / SOIL SAMPLING LOG Logged By: CS / JF Method: Air Rotary								
Coord	inates: 32	2.557188	, -103	.219966				Hole Diameter: 6"	Total Depth: 120'
Comments: Soil boring was advanced to a total depth of 120' bgs. No water was observed within the soil boring after at leas On 10/3/2022 the soil boring was plugged and abandoned using hydrated bentonite chips.						ing arter at least 72 Hours.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
Drv			N			0 - - 10	SP-SC	(0-30'), SAND, dry, grayish-tan, medium to fine grain, poorly graded with moderate amounts of clay.	

20

30

40

50

60

70

80

90

100

110

120

@20' grayish-tan calcite, medium grain

SP-SC (30-120'), SAND, dry, tannish brown, medium to

@60' trace amounts of chert nodules.

@80' trace amounts of clay.

NOTE: Total Depth @ 120 feet bgs

no odor.

fine grain, poorly graded with clay, non-plastic, noncohesive, no stain,

Sample Name: L-15414-POD1 Date: 11/10/2022 Site Name: SEMU Burger B 108 Incident Number: nAPP2228376108 Job Number: 03D2057013 LITHOLOGIC / SOIL SAMPLING LOG Logged By: CS / PV Method: Air Rotary Coordinates: 32.556516, -103.178207 Hole Diameter: 6" Total Depth: 103'

Comments: Soil boring was advanced to a total depth of 103' bgs. No water was observed within the soil boring after at least 72 hours. On 11/14/2022 the soil boring was plugged and abandoned using hydrated bentonite chips.

Figure 1 of 1 o	
Moisture Content Chloride Chlo	ns
U 0 SP-SM (0-30'), SAND, dry, tan to brown, m fine grain, poorly graded wit no odor.	edium to th silt, no stain,
Dry N 10	
Dry N 20 @20' color change to tan.	
Dry N 30 SP-SC (30-50'), SAND, dry, tan, medium to poorly graded with clay, noncohesive, some subrou	on-plastic,
Dry N 40 gravel, no stain, no odor.	
Dry N 50 SP-SM (50-103'), SAND, dry, reddish brown fine grain, poorly graded stain, no odor.	n, medium to with silt, no
Dry N 60 @60' color change to light green to some reddish brown quartzite	brown, e clasts.
Dry N 70 @70' color change to reddish brow caliche nodules,	n, few
Dry N 80 @80' no caliche nodules.	
Dry N + 90	
Dry N 100	
Dry N 103 Total Depth @ 103 feet has	ig due to

Total Depth @ 103 feet bgs

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 292425

QUESTIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	292425
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401128986
Incident Name	NAPP2401128986 SEMU PERMIAN 015 FLOWLINE RELEASE @ 30-025-07810
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-07810] SEMU PERMIAN #015

Location of Release Source		
Please answer all the questions in this group.		
Site Name	SEMU Permian 015 Flowline Release	
Date Release Discovered	01/09/2024	
Surface Owner	Private	

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 f	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 13 BBL Recovered: 0 BBL Lost: 13 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 2 BBL Recovered: 0 BBL Lost: 2 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 January 9, 2024, operations personnel identified a pinhole leak in a flowline associated with the SEMU Permian 015 well. Approximately 13 bbls of oil and 2 bbls of produced water were released into the adjacent pasture. Initial response stopped the leak, repaired the flowline, and initiated excavation of impacted soils.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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 292425

QUESTI	IONS (continued)	
Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002		OGRID:
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied vo	olumes 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 th	e 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 inju	ry.
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediactions to date in the follow-up C-141 submission. If remedial efforts have been successfully comple Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure e	ted or if the release occurred within a	lined containment area (see Subparagraph (a) of Paragraph (5) of
I hereby certify that the information given above is true and complete to the best of my to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report local laws and/or regulations.	ases which may endanger public adequately investigate and reme	chealth or the environment. The acceptance of a C-141 report by ediate contamination that pose a threat to groundwater, surface
I hereby agree and sign off to the above statement	Name: Chuck Terhune Email: chuck.terhune@tetrate Date: 02/27/2024	ech.com

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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 292425

QUESTIONS (continued)

Operator:	OGRID:	
Maverick Permian LLC	331199	
1000 Main Street, Suite 2900	Action Number:	
Houston, TX 77002	292425	
	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	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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.					

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 292425

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
	Action Number:
Houston, TX 77002	292425
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created I	By Condition	Condition Date
scwell	None	2/27/2024