

SPILL VOLUME CALCULATIONS

INPUT DATA: (click "Reset Page" button to return all values to zero)																	
Total Area Calculations						Standing Liquid Calculations (leave blank if 100% of free liquid has been recovered)											
Total Surface Area						Total Surface Area											
saturated soil depth % oil						liquid depth % oil											
Known Area #1	0	acres	or	6788	sq. ft.	4	in	0%	Known Area #1	0	acres	or	0	sq. ft.	0	in	0%
Known Area #2	0	acres	or	2901	sq. ft.	12	in	0%	Known Area #2	0	acres	or	0	sq. ft.	0	in	0%
Known Area #3	0	acres	or	0	sq. ft.	0	in	0%	Known Area #3	0	acres	or	0	sq. ft.	0	in	0%
Known Area #4	0	acres	or	0	sq. ft.	0	in	0%	Known Area #4	0	acres	or	0	sq. ft.	0	in	0%
width length						width length											
Rectangle Area #1	0	ft		0	ft	0	in	0%	Rectangle Area #1	0	ft		0	ft	0	in	0%
Rectangle Area #2	0	ft		0	ft	0	in	0%	Rectangle Area #2	0	ft		0	ft	0	in	0%
Rectangle Area #3	0	ft		0	ft	0	in	0%	Rectangle Area #3	0	ft		0	ft	0	in	0%
Rectangle Area #4	0	ft		0	ft	0	in	0%	Rectangle Area #4	0	ft		0	ft	0	in	0%
diameter saturated soil depth % oil						diameter liquid depth % oil											
Circle Area #1	0	ft				0	in	0%	Circle Area #1	0	ft				0	in	0%
Circle Area #2	0	ft				0	in	0%	Circle Area #2	0	ft				0	in	0%
Circle Area #3	0	ft				0	in	0%	Circle Area #3	0	ft				0	in	0%
Circle Area #4	0	ft				0	in	0%	Circle Area #4	0	ft				0	in	0%

Amount of Free Liquid Recovered:	0 bbl	Percentage of Oil in Free Liquid Recovered:	0%
Liquid Holding Factor*:	0.08 gal liquid/gal soil		
(see below)			
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:	
* sand = .08 gallon liquid per gallon volume of soil.		Occurs when the spill soaked soil is contained by barriers, natural (or not).	
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.		* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.	
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.		* sandy loam = .5 gallon liquid per gallon volume of soil.	
* clay loam = .16 gallon liquid per gallon volume of soil.			

OUTPUT DATA:				
<u>Saturated Soil Volume Calculations</u>			<u>Free Liquid Volume Calculations</u>	
Total Contaminated Volume:	5,163.7 cu. ft.	191.2 yds.	Total Free Liquid:	0.0 BBL
<u>Estimated Volumes Spilled</u>			<u>Estimated Surface Damage</u>	
	<u>Water</u>	<u>Oil</u>	Surface Area:	9,689.0 sq. ft.
Liquid in Soil:	73.6 BBL	0.0 BBL	Surface Area:	0.2 acres
Free Liquid:	0.0 BBL	0.0 BBL		
Free Liquid Recovered:	0.0 BBL	0.0 BBL	<u>Recovered Volumes</u>	
			Estimated oil recovered:	0.0 BBL
			Estimated water recovered:	0.0 BBL
Total Liquid Spilled:	73.6 BBL	0.0 BBL		
	3,089.9 gal	0.0 gal		

The release was caused by a corroded bull plug in the bottom of a 750 bbl capacity Gun Barrel, that was drained during the release. Once the release was discovered, vacuum trucks were used to drain the secondary containment, as the fluid was coming out of the gun barrel. The volume calculation above reflects the area outside of secondary containment that was affected by the release.

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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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2325141309
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.267571 _____ Longitude -103.442833 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Mad Dog 35 CN St Com #1H Battery	Site Type	Battery
Date Release Discovered	12/27/2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
C	35	23S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Limestone Basin Prop Ranch LLC _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 750	Volume Recovered (bbls) 720
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
A small steel plug on the Gun Barrel failed due to corrosion.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Jeff Broom to ocd.enviro@state.nm.us on 12/28/2023 @ 2:02 PM via email.	

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.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: <u>1/5/2024</u>
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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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

Action 301871

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 301871
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400929341
Incident Name	NAPP2400929341 MAD DOG 35 CN ST COM #1H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2125757237] MAD DOG 35 CN ST COM #1H BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Mad Dog 35 CN St Com #1H Battery
Date Release Discovered	12/27/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Tank (Any) Produced Water Released: 750 BBL Recovered: 720 BBL Lost: 30 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)	The release was caused by a corroded bull plug in the bottom of a 750 bbl capacity Gun Barrel, that was drained during the release. Once the release was discovered, vacuum trucks were used to drain the secondary containment, as the fluid was coming out of the gun barrel. The volume calculation above reflects the area outside of secondary containment that was affected by the release.

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QUESTIONS, Page 2

Action 301871

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
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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. 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 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.

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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 01/09/2024
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QUESTIONS, Page 3

Action 301871

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 301871
	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 release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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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CONDITIONS

Action 301871

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	Action Number: 301871
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/10/2024