

Spill Calculations

Spill calculator - Spill calculator - Saved

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C27 -(C12*C13*C14/12*C23*0.1781)*(100-C22)/100+(C19*27*C23*0.1781)*(100-C22)/100+(C16*C17/12*C23*0.1781)*(100-C22)/100

1 Oil or Water Spill Volume Spreadsheet Calculator Updated 10/31/2007

2

3 INPUT FIELDS OUTPUT RESULT

4

5

6

7 Location

8 GPS Coordinates

9 Spell Date

10 Spell Time

11

12 Length of Spill 117.00 feet

13 Width of Spill 18.00 feet

14 Saturation (or depth of Spill) 3.00 inches

15 OR

16 Area ft²

17 Saturation (or depth of Spill) inches

18 OR

19 Soil Volume yd³

20

21

22 Oil Cuts

23 Porosity Factor % Oil 0.20

24

25 Soil Volume 19.50 yd³

26 Total Oil in Soil barrels

27 Total Produced Water in Soil 18.76 barrels

28

29

30

31

32

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Land Water Land Quick Reference Standing Fluid

Types of Soil Porosity Factor

- Gravel 0.25
- Sand 0.20
- Clay/silt/sand Mix 0.15
- Clay 0.05
- Caliche 0.03
- Unknown 0.25

Use only one method

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C27 -(C12*C13*C14/12*C23*0.1781)*(100-C22)/100+(C19*27*C23*0.1781)*(100-C22)/100+(C16*C17/12*C23*0.1781)*(100-C22)/100

1 Oil or Water Spill Volume Spreadsheet Calculator Updated 10/31/2007

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3 INPUT FIELDS OUTPUT RESULT

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12 Length of Spill 119.00 feet

13 Width of Spill 6.00 feet

14 Saturation (or depth of Spill) 3.00 inches

15 OR

16 Area ft²

17 Saturation (or depth of Spill) inches

18 OR

19 Soil Volume yd³

20

21

22 Oil Cuts

23 Porosity Factor % Oil 0.20

24

25 Soil Volume 6.11 yd³

26 Total Oil in Soil barrels

27 Total Produced Water in Soil 5.88 barrels

28

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Land Water Land Quick Reference Standing Fluid

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Use only one method

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emrrd.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 540629

QUESTIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 540629
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2600236026
Incident Name	NAPP2600236026 NORTHEAST BLANCO UNIT #474 @ 30-045-27570
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-045-27570] NORTHEAST BLANCO UNIT #474

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Northeast Blanco Unit #474
Date Release Discovered	12/31/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	<i>Not answered.</i>
Produced Water Released (bbls) Details	<i>Cause: Equipment Failure Pipeline (Any) Produced Water Released: 24 BBL Recovered: 0 BBL Lost: 24 BBL.</i>
Is the concentration of chloride in the produced water >10,000 mg/l	<i>No</i>
Condensate Released (bbls) Details	<i>Not answered.</i>
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	<i>Not answered.</i>
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	<i>Not answered.</i>

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QUESTIONS, Page 2

Action 540629

QUESTIONS (continued)

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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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety 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	False
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	No berms, dikes or other containment were constructed, the produced water had soaked into the ground and was not flowing when discovered.

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: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@machnr.com Date: 01/06/2026
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QUESTIONS, Page 3

Action 540629

QUESTIONS (continued)

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	Action Number: 540629
	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)	<i>Not answered.</i>
What method was used to determine the depth to ground water	<i>Not answered.</i>
Did this release impact groundwater or surface water	<i>Not answered.</i>
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	<i>Not answered.</i>
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	<i>Not answered.</i>
An occupied permanent residence, school, hospital, institution, or church	<i>Not answered.</i>
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	<i>Not answered.</i>
Any other fresh water well or spring	<i>Not answered.</i>
Incorporated municipal boundaries or a defined municipal fresh water well field	<i>Not answered.</i>
A wetland	<i>Not answered.</i>
A subsurface mine	<i>Not answered.</i>
An (non-karst) unstable area	<i>Not answered.</i>
Categorize the risk of this well / site being in a karst geology	<i>Not answered.</i>
A 100-year floodplain	<i>Not answered.</i>
Did the release impact areas not on an exploration, development, production, or storage site	<i>Not answered.</i>

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
<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>	

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CONDITIONS

Action 540629

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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	1/6/2026