

SPILL TO SOIL (Including spill to dry creek beds/banks)

Rev 3.0: 11/13/2018
All calculations & conversions confirmed on: 11/13/2018

Location: A Line Leak (5-13-2025) Date: 5/15/2025

V = D x A x P x Adj x 7.48

V = Volume of hydrocarbon (oil) released, gallons
D = Average depth of oil penetration across impacted area, inches
A = Area of spill, square feet
P = Porosity of soil (void space between soil particles) of impacted media (soil), unitless

Use Table 1 to select best fit for observed impacted soil conditions

Adj = Correction factor of 50% for soil porosity factor overestimating volume of oil in soil (standard assumption), %
The factor can be adjusted lower or higher for local observed conditions. For Lower Adj = 50% * (100% - % decrease). For Higher Adj = 50% * (100% + % increase).
For example:

Observed Condition	% Decrease/Increase	New Adj
Ground is saturated with water	decrease by 25%	37.5%
Ground is frozen	decrease by 50%	25.0%
Dry cracked clay	increase by 40%	70.0%

7.48 = Conversion factor: cubic feet to gallons

Enter data for each individual impacted soil area

All dimensions, except depth, are maximums observed

= Data Entry Fields
= Standard Assumptions

Square or Rectangle

	Length	Width	Depth (D)		Area (A)	Volume	Porosity (P)	Adjustment (Adj)	Oil Volume (V)				
Loc	ft	ft	in	ft	ft ²	ft ³			ft ³	gal	bbl		
1				0.03	2,462.0	61.6	0.33	30%	6.093	45.582	1.085		
2				0.25	1,272.0	318.0			0.33	31.482	235.502	5.607	
3				-	-	-				50%	-	-	-
4				-	-	-				50%	-	-	-
5				-	-	-				50%	-	-	-
6				-	-	-				50%	-	-	-
Sub-Total					3,734.0	379.6					37.575	281.084	6.692

Triangular

Loc	Base	Height	Depth (D)		Area (A)	Volume	Porosity (P)	Adjustment (Adj)	Oil Volume (V)		
	ft	ft	in	ft	ft ²	ft ³			ft ³	gal	bbl
1				-	-	-		50%	-	-	-
2				-	-	-		50%	-	-	-
3				-	-	-		50%	-	-	-
4				-	-	-		50%	-	-	-
5				-	-	-		50%	-	-	-
Sub-Total					-	-			-	-	-

Circular

Loc	Diameter		Depth (D)		Area (A)	Volume	Porosity (P)	Adjustment (Adj)	Oil Volume (V)		
	ft		in	ft	ft²	ft³			ft³	gal	bbl
1				-	-	-		50%	-	-	-
2				-	-	-		50%	-	-	-
3				-	-	-		50%	-	-	-
4				-	-	-		50%	-	-	-
5				-	-	-		50%	-	-	-
Sub-Total					-	-			-	-	-

			ft ³	gal	bbl
Total Soil Volume:	379.6	Total Oil Volume:	37.575	281.084	6.692

NOTES:

Use Best Professional Judgement
Table 1: Soil Porosity for Different Soils ^[1]

Soil	Description	Porosity
Gravel	Gravel	0.31
	Sandy gravel, with little or no fines	0.27
	Silty gravels, silty sandy gravels	0.19
	Clayey gravels, clayey sandy gravels	0.22
Sand	Coarse sand	0.35
	Fine sand	0.38
	Gravelly sands, with little or no fines	0.33
	Silty sands	0.37
	Clayey sands	0.26
Silt	Uniform silt, silty or clayey fine sands, silty clays	0.49
Clay	Clay	0.63
	Silty or sandy clay	0.39

Sources:
[1] <http://www.geotechdata.info/parameter/soil-porosity.html>

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 464725

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464725
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513945810
Incident Name	NAPP2513945810 A LINE LEAK @ 0
Incident Type	Blow Out
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	A Line Leak
Date Release Discovered	05/13/2025
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Blow Out
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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Blow Out Pipeline (Any) Condensate Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
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)	Not answered.

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QUESTIONS, Page 2

Action 464725

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	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 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: Ray Smalts Title: Sr Environmental Eng/Spec Email: raymond.a.smalts@p66.com Date: 05/19/2025
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QUESTIONS, Page 3

Action 464725

QUESTIONS (continued)

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QUESTIONS

Site Characterization	
<i>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.</i>	
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	
<i>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.</i>	
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 464725

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CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	5/19/2025