



Liquid Release Volume Calculator - E&P Exempt Material

Facility/Pipeline Name: Golden Grahams Water Transfer

Product Released: Crude Oil Produced Water Condensate

Region: WEST TEXAS

Date: 11/25/2025

Did release enter water?

NO

Inside/Outside of Containment: OUTSIDE CONTAINMENT

Total Area Calculations - Rectangle				
Total Surface Area	Length	Width	Wet Soil Depth	Area Covered (%)
Rectangle Area 1	80 ft. x	7 ft. x	2 in.	100.00%
Rectangle Area 2	700 ft. x	3 ft. x	4 in.	50.00%
Rectangle Area 3			in.	100.00%
Rectangle Area 4			in.	100.00%
Rectangle Area 5			in.	100.00%

Standing Liquid Calculations - Rectangle				
Total Standing Liquid	Length	Width	Depth	Area Covered (%)
Rectangle Area 1	ft. x	ft. x	in.	95.00%
Rectangle Area 2	ft. x	ft. x	in.	25.00%
Rectangle Area 3	0 ft. x	0 ft. x	0 in.	0.00%
Rectangle Area 4	0 ft. x	0 ft. x	0 in.	0.00%
Rectangle Area 5	0 ft. x	0 ft. x	0 in.	0.00%

*Soil Type: Saturated Sandy Loam

Liquid Holding Factor: 0.5

*Oil Cut %: 0.00%

*Fluid Recovered: 0 BBL

Approximate Volume Released - Rectangle		
Hydrocarbon Lost:	REPORTABLE?	Produced Water Lost:
Liquid in Soil:	0.00 BBL	39.48 BBL
Standing Liquid:	0.00 BBL	0.00 BBL
Total:	0.00 BBL	39.48 BBL
Displacement:	0.00 BBL	
TOTAL RELEASED:	39.48 BBL	1,658.07 GAL
RECOVERED VOLUME:	0.00 BBL	

Tank Displacement (Circle or Rectangle; In Containment)				
Tank Diameter	Depth	# of Tanks	Displacement	
ft	in	0	0.00	BBL
ft	0 in	0	0.00	BBL
0 ft	0 in	0	0.00	BBL
0 ft	0 in	0	0.00	BBL
0 ft	0 in	0	0.00	BBL
Total Displacement:				0.00 BBL

hints:
• Oil cut is the percentage of hydrocarbons in the fluid mixture i.e., produced water may have a 0.3% oil cut.
depth conversions:
• 1/16th of an inch = 0.0625 inches = 0.0052 feet
• 1/8th of an inch = 0.125 inches = 0.01041 feet
• 1/4th of an inch = 0.25 inches = 0.02083 feet
• 1/2 of an inch = 0.5 inches = 0.04166 feet
• 1 inch = 0.0833 feet
• 1 1/2 inches = 1.5 inches = 0.125 feet
• 2 inches = 0.1666 feet
• 3 inches = 0.25 feet
• 4 inches = 0.333 feet
• 5 inches = 0.4166 feet
• 6 inches = 0.5 feet
• 12 inches = 1 foot
• 24 inches = 2 feet

soil types:
• Sand: Sandy soil has large, gritty particles that feel rough and drain water quickly, often appearing light in color, like pale yellow or light brown. Examples of where you might find this would be the beach, or non-pad areas in West Texas.
• Sandy Clay Loam: Sandy Clay Loam has a crumbly texture with a balance of sand and clay, appearing brown or dark tan, and retains moisture while draining well. Examples of where you might find this would be???????

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Phone: (505) 476-3441

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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 533490

QUESTIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 533490
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2533739557
Incident Name	NAPP2533739557 GOLDEN GRAHAMS WATER TRANSFER RELEASE @ P-35-25S-28E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Golden Grahams Water Transfer Release
Date Release Discovered	11/25/2025
Surface Owner	State

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	Yes
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	<i>Not answered.</i>
Produced Water Released (bbls) Details	<i>Cause: Equipment Failure Other (Specify) Produced Water Released: 40 BBL Recovered: 0 BBL Lost: 40 BBL.</i>
Is the concentration of chloride in the produced water >10,000 mg/l	<i>Yes</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>The release was from a ~1/2-inch hole in a 12-inch layflat line. Release was initially assumed to belong to DHI but was discovered to belong to Solaris Midstream.</i>

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QUESTIONS, Page 2

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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	Yes
Reasons why this would be considered a submission for a notification of a major release	<p>From paragraph A. "Major release" determine using:</p> <p>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;</p> <p>(2) an unauthorized release of a volume that:</p> <p>(b) may with reasonable probability reach a watercourse.</p>

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	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	<i>Not answered.</i>

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: Matthew Green Title: Environmental Advisor Email: Matthew.Green@westernmidstream.com Date: 12/23/2025
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QUESTIONS, Page 3

Action 533490

QUESTIONS (continued)

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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)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Zero feet, overlying, or within area
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Zero feet, overlying, or within area
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
<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

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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Initial C141 is approved. A remediation work plan, site characterization plan or remediation closure is due to the OCD no later than 90-days after the date of discovery, not to exceed Monday, 03/02/2026.	12/30/2025