



Liquid Release Volume Calculator - E&P Exempt Material

Facility/Pipeline Name: Calderon Farms SWD Check Valve Release

Date: 11/19/2025

Product Released: Crude Oil ☐ Produced Water ☒ Condensate ☐

Region: WEST TEXAS

Inside/Outside of Containment: INSIDE CONTAINMENT

Did release enter water? NO

Total Area Calculations - Rectangle					
Total Surface Area	Length		Width		Area Covered (%)
Rectangle Area 1	0	ft. x	0	ft. x	100.00%
Rectangle Area 2		ft. x		ft. x	100.00%
Rectangle Area 3				0 in.	100.00%
Rectangle Area 4				0 in.	100.00%
Rectangle Area 5				0 in.	100.00%

Standing Liquid Calculations - Rectangle				
Total Standing Liquid	Length		Width	
Rectangle Area 1	140	ft. x	51	ft. x
Rectangle Area 2	0	ft. x	0	ft. x
Rectangle Area 3	0	ft. x	0	ft. x
Rectangle Area 4	0	ft. x	0	ft. x
Rectangle Area 5	0	ft. x	0	ft. x

*Soil Type: Containment

Liquid Holding Factor: 1

*Oil Cut %: 0.00%

*Fluid Recovered: 0 BBL

Approximate Volume Released - Rectangle			
	Hydrocarbon Lost:	REPORTABLE?	Produced Water Lost:
Liquid in Soil:	0.00 BBL		0.00 BBL
Standing Liquid:	0.00 BBL		423.87 BBL
Total:	0.00 BBL	NO	423.87 BBL
Displacement:	134.68 BBL		
TOTAL RELEASED:	289.19 BBL		12,145.82 GAL
RECOVERED VOLUME:	0.00 BBL		

Tank Displacement (Circle or Rectangle; In Containment)					
Tank Diameter	Depth	# of Tanks	Displacement		
15.5 ft	4 in	12	134.42	BBL	
1.67 ft	4 in	2	0.26	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:			134.68	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 = 0.2083 feet • 1/2 of an inch = 0.5 inches = 0.0416 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???????

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.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 531622

QUESTIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 531622
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2532352492
Incident Name	NAPP2532352492 CALDERON FARMS SWD CHECK VALVE RELEASE @ O-09-24S-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	Calderon Farms SWD Check Valve Release
Date Release Discovered	11/19/2025
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 Valve Produced Water Released: 289 BBL Recovered: 289 BBL Lost: 0 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 in a lined containment that measures 140 feet long by 51 feet wide. Depth of standing fluids was initially reported as 48". The release was initially reported as approximately 5,086 barrels of produced water released with approximately 4,000 barrels recovered. Upon review of the original calculations the release amount was calculated based on the volume of the containment and did not factor in the displacement of the other tanks within the containment. The release was recalculated as 3,470 barrels released. After speaking with the crew regarding the recovery amount it was determined that since the initial recovery was done with an onsite pump, they estimated the recovered amount based on the original estimate and how much they thought it had been recovered with the pump. It was also determined that the final recovery would be calculated following additional recovery by vacuum trucks. After further investigation, it was determined that during the calculation of the initial size of the release the computer program requires all dimensions in inches, so the depth was accidentally multiplied by 12 along with the length and width measurements. Depth of fluid was 4-inches prior to any recovery efforts instead of 48-inches. Making the new

calculated release volume as approximately 289 barrels of produced water released. Please see the attached, updated calculation. Vac trucks were able to recover approximately 200 barrels of produced water today and the new estimate volume for yesterday utilizing the pump was approximately 89 barrels. All fluids have been recovered from the liner, and an inspection will be scheduled.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.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, Page 2

Action 531622

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 531622
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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: Matthew Green Title: Environmental Advisor Email: Matthew.Green@westernmidstream.com Date: 12/03/2025
--	--

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.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, Page 3

Action 531622

QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 531622
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
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	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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>	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 531622

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 531622
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	Initial C-141 approved. A remediation plan or remediation closure report is due to the OCD by 2/17/2026.	12/4/2025